

Scientific achievements

THIERY Jean Paul

**Professor and Head of Department of
Biochemistry
Yong Loo Lin School of Medicine
Senior Principal Investigator
Cancer Science Institute
National University of Singapore**

**Research Director
Institute of Molecular Cell Biology,
A*STAR Biopolis**

**Singapore
April 2015**

SUMMARY

Jean Paul Thiery held the position of Director of Research at Centre National de la Recherche Scientifique (CNRS), Paris (“exceptional class”). Later, from 1995 to 2003, he established and headed the Cell Biology Department of the Institut Curie (200 people, 11 research units). This Department is now well-recognized on an international scale for its scientific achievements and creative management. He was the inaugural Director of the Department of Translational Research at the Institut Curie Medical Division. In Oct, 2006, he moved to Singapore where he was Deputy Director of the Systems Biology Division at the Institute of Molecular Cell Biology until November 2011 and Chief Scientific Officer of the Experimental Therapeutics Centre of A*STAR until April 2011. He is currently Professor and Head of the Department of Biochemistry of the Yong Loo Lin School of Medicine at the National University of Singapore (NUS). He also holds a Research Director position at IMCB A*STAR, a senior principal investigator position at the Cancer Science Institute and a position as an associate principal investigator at the Mechanobiology Institute (MBI) at NUS.

Jean Paul Thiery has made seminal contributions in the fields of cell adhesion, cell migration, morphogenesis, and cancer, publishing more than 400 peer-reviewed articles in different areas of the life sciences. Originally trained as a chemical engineer (Ecole Nationale Supérieure de Chimie, Strasbourg), Jean Paul ranked first in his class, and was recruited as a CNRS tenured researcher at the age of 21. In 1977, together with Pr. Gerald Edelman, Nobel laureate in Medicine, he discovered the first cell-cell adhesion molecule: N-CAM. N-CAM was later realized as the founding member of the Ig superfamily of more than 700 members in the human genome.

His current studies have led to a new concept in cell-cell adhesion with the collaboration of Pr. Pierre Gilles de Gennes, Nobel laureate in Physics, Pr. Françoise Brochard-Wyart and other soft matter physicists from Institut Curie and Ecole Normale Supérieure in Paris and more recently with Prof Virgile Viasnoff at MBI. Jean Paul Thiery has pioneered new physical approaches to measure the strength of intercellular adhesion in epithelial cells, and he has developed a new transgenic model to target transgenes uniquely in the neural crest, a transient structure associated with the appearance of vertebrates. Jean Paul Thiery co-discovered an important mutation (FGFR3) in bladder carcinoma, now considered to be the best prognostic marker for superficial tumors. These mutations are also found in 40% of seborrheic verrucosa. He has also obtained gene expression and gene alteration signatures for breast carcinoma, ovarian carcinoma and uveal melanoma to define new prognostic indicators. These studies should lead to the discovery of new targets for innovative therapies. He characterized a murine mammary stem cell which can lead to basal-like tumors upon integration of a truncated β -catenin.

Jean Paul Thiery is considered to be the first to propose that epithelial-mesenchymal transition (EMT) is a crucial mechanism for the progression of carcinoma. EMTed carcinoma cells have since been detected in human carcinoma and are suspected to carry migratory stem cell properties and resistance to conventional and targeted therapeutics. Jean Paul Thiery has now established a high-throughput screen for EMT in carcinoma to define drug combinations that circumvent resistance to therapy. His work in EMT has largely contributed to the study of minimal residual disease in breast cancer. The presence of isolated cells in bone marrow provides strong support to the role of EMT in cancer invasion and metastasis.

Often a keynote speaker in major cancer research meetings, Jean Paul Thiery has been invited to present his work at more than 400 meetings worldwide. Throughout his career, he has always collaborated with a variety of laboratories in France and in foreign countries. His research has been supported by Institutional grants (CNRS, INSERM, Ministry of Research, Institut Curie), private foundations (French Cancer Research Foundation, March of Dimes, etc.), as well as grants from the European Community, the NIH Bethesda USA, Human Frontier Science Program, and the pharmaceutical industry (Pierre Fabre Oncology, Aventis, Zeneca Pharmaceuticals and AstraZeneca).

Jean Paul Thiery has trained numerous PhD students, MDs and postdoctoral fellows. He taught at the Paris 11 University at the Master degree level. He was the Director of the Master of Oncology program and was on the Acting Board of the School of Doctorate in Cancer. He has contributed actively as the President or a

member of study sections and site visit committees in both French and foreign laboratories. He was on the editorial board of well-known journals, including the Journal of Cell Biology. He is routinely reviewing manuscripts for Nature, Science and Cell among other best-known journals.

Jean Paul Thiery has gained strong expertise in heading a large multidisciplinary research department. So, too, has he acquired excellent experience as Head of Translational Research of the Institut Curie in conducting collaborative programs with clinical oncologists. Through much international collaboration and funding sources, Jean Paul Thiery has been able to foster partnerships with very well-known laboratories in biophysics, developmental and molecular cell biology, and in oncogenomics.

His move to the Institute of Molecular Cell Biology of A*STAR, Singapore (<http://www.imcb.a-star.edu.sg/php/jpt.php>), allowed him to adopt a multidisciplinary approach to his work, incorporating biophysics, developmental cell biology and cancer research. Collaborations with several A*STAR Research Institutes, including BII, BTI and IMRE, have been established (<http://www.a-star.edu.sg>) and have created first-rate opportunities to address highly complex mechanisms in Systems Biology and in tumor progression using bioinformatics, cell developmental biology and nanotechnology approaches.

In recent years, Jean Paul Thiery has invested much time and effort into pursuing Translational Research in Singapore. He has established strong relationships with clinical investigators at NUH under the leadership of Pr. John Wong. Jean Paul Thiery has established a research team at the Cancer Science Institute NUS (<http://www.csi.nus.edu.sg/09/PI-Thiery.html>). This new center undoubtedly favors a rapid development of basic and translational research in oncogenomics, particularly with Experimental Therapeutics, headed by Pr. Boon Cher Goh. Jean Paul heads the Department of Biochemistry of the Yong Loo Lin School of Medicine at NUS. Jean Paul is a member of several review committees, including the Singapore Translational Research (STaR) Investigator and Clinical Scientist Award of the National Medical Research Council, The LRP review committee of BMRC A*STAR and the National Research Foundation.

Jean Paul Thiery is also a co-principal investigator at the Mechanobiology Institute (<http://www.dbs.nus.edu.sg/mechano/researchers.html>), headed by Pr. Michael Sheetz awarded the Lasker prize for basic research on single molecules. This newly designed research laboratory permits Jean Paul Thiery to benefit from the most advanced approaches in biophysics, and optical microscopy to address the biomechanics of cell adhesion. He is also associated with SMART-MIT through collaboration with Prof Roger Kamm from MIT.

Jean Paul Thiery has received several prizes, including the Serres prize de l'Académie des Sciences, the Otto Mangold prize in Berlin, the Heinz Karger prize in Basel and the Ligue Parisienne contre le Cancer prize. He is a laureate of the French Medical Academy and an associate member of the French Academy of Sciences. He is a member of European and North American societies including EMBO. He was made a Chevalier de l'Ordre National du Mérite in 1997 by the Minister of Education and a Chevalier de l'Ordre National de la Légion d'Honneur in 2009 by the Minister of Foreign Affairs.

CURRICULUM VITAE

THIERY Jean Paul

Date of birth: April 25, 1947 (Remiremont, France)

EDUCATION

1964-1970	University Louis Pasteur, Strasbourg (France)
1965	Mathematics-Physics-Chemistry Competitive examination, Ecole Nationale Supérieure de Chimie de Strasbourg
1966	Crystallography, General Chemistry, Mineral Chemistry, Experimental Physics
1967	Organic Chemistry, Industrial Chemistry, General Chemistry
1968	Masters in Physical Chemistry Engineering Diploma in Chemistry (Ecole Nationale Supérieure Chimie Strasbourg), placed first in the year.
1968	Diploma Organic Chemistry of Natural Substances
1974	Doctorat d'Etat Thesis, Institut Jacques Monod, Paris

RESEARCH EXPERIENCE AND APPOINTMENTS

1968-1970	Research position at the Centre National de la Recherche Scientifique (CNRS) in the laboratory of Dr. Bernardi, Institute of Macromolecular Substances, Strasbourg, France
1970-1974	Research position, CNRS, Institut Jacques Monod, Paris
1975-1977	Postdoctoral Fellow, laboratory of Professor Gerald M. Edelman, The Rockefeller University, New-York
1975	Fellow of the International Center for Cancer Research, Lyon, France
1976	Fogarty Postdoctoral Fellowship (NIH)
1977	Research Associate, The Rockefeller University, New-York
1978-1982	Senior Research Associate CNRS, Institute of Embryology, CNRS and the Collège de France, Nogent sur Marne, France
1982-1987	Director of Research CNRS, Institute of Embryology, Nogent sur Marne, France
1987-1994	Director of the Laboratory of Physiopathology of Development of the CNRS and Ecole Normale Supérieure, Paris
1989	Director of Research CNRS First Class
1995-2003	Director of the laboratory of 'Subcellular Structure and Cellular Dynamics' of the CNRS and the Institut Curie, Paris
1999	Director of Research CNRS Exceptional Class
2001-	Scientific Officer Ministry of Research and Technology
2003-2006	Director Department of Translational Research – Institut Curie
2006- 2012	Principal Investigator, Institute of Molecular Cell Biology (IMCB) Deputy Director IMCB A*STAR, Singapore

Adjunct Professor of Pathology National University of Singapore
Senior Principal Investigator CSI NUS Singapore
Chief Scientific Officer Experimental Therapeutic Centre of A*STAR
2010- Director of Research CNRS Emeritus

2007- 2011
2010-

2012- Professor and Head of the Department of Biochemistry, Yong Loo Lin School of
Medicine NUS
Research Director IMCB A*STAR (joint appointment)
Senior Principal Investigator CSI NUS

COMMITTEES

1982-1986 Member of INSERM study section
1983-1987 Member of the National Council of Universities
1985 Council Member of the Institut National de la Recherche Agronomique
1985-1990 Member of the Board of Directors of the International Society of Differentiation
1986-1990 Member of the Scientific Council of the Centre National d'Etudes Spatiales
1987-1991 Member of CNRS study section
1991-1994 Member EMBO Course/Workshop Committee
1991-1995 President of the Developmental Biology study section CNRS
1992-1993; 1995 President of the Develop. Biology Committee, Ministry of Research and Space
Member of the Search Committee for group leaders in Developmental Biology
1992-1996 Member of the study section 'Association for Cancer Research', Paris
1992-2001 Member and President of Scientific Councils, CNRS
1992-2001 Member and President of Scientific Councils, CNRS
1994 Expert National Advisory Committee of Universities
1994 Expert for the government for the Pasteur Institute of Lyon
1995 Expert for the Pasteur Institute of Paris
1995-1996 Member of the study section 'The Nationale League against Cancer', Paris
1995-2000 Member of the Scientific Council of the Medical Division of the Institut Curie
1996-1997 Expert for the Netherlands Academy of Sciences
1996-2000 Member of the Scientific Council of the Zoological Station Naples
1997-2001 Member of the Scientific Advisory Board at the Max-Planck-Institut für
Immunbiologie, Freiburg, Germany
1997-2002 President of one study section 'Association for Cancer Research', Paris
1997-2002 Member of the Scientific Council 'Association for Cancer Research', Paris
1998- Member of the Scientific Committee of the Priority Programme of the Deutsche
Forschungsgemeinschaft
1999-2006 Member of the Scientific Advisory Board of ISREC, Switzerland
up to 2000 Member of the organizing committee for the DEA in Cellular Biology
and in Cellular and Molecular Biology of Development
2000-2005 Member of the Scientific Committee of the CRP-Santé, Luxembourg
2000- Director of the DEA of Cancer, genetics and phenotypic properties, pharmacology
and therapies
2002 President of the Scientific Committee of the Biostructures Institute attached to the
Synchrotron (Soleil)
2003 Advisory board AstraZeneca, clinical trials
2003-2004 Expert FP6 Program 'Combating Cancer' EC - Brussels
2003 Member external review committee of King's College London, Oncology
Department
2005 Member of the site visit committee of the Biomedicine and forensic Medicine of the
University of Helsinki

2007	Member Jury Singapore Science and Engineering Fair Steering Committee member Science 07
2008-	Member Singapore Translational Research Investigatorship award
2009-	Member programmatic grant review panel, NMRC, Singapore Member BMRC extramural grant committee.
2010-	Scientific advisory board member ETH Zurich, Switzerland
2011-	Scientific advisory board member Cancer Center Oslo, Norway
2013	Scientific advisory board member of Duke-NUS Stem cell program
2015	Committee member priority program Deutsche Forschungsgemeinschaft
2015-	Advisor to the Dean of Medical School of the National University of Singapore Advisor Institut Gustave Roussy Comprehensive Cancer Center Villejuif France

HONOURS AND AWARDS

1983	Serres Prize of the French Academy of Sciences, Paris
1987	Otto Mangold Prize (Distinguished vertebrate embryologist), Berlin
1990	Heinz Karger Prize, Basel
1990	Prize Ligue Nationale Française contre le Cancer, Paris
1997	Chevalier de l'Ordre National du Mérite
2000	Laureate of French Academy of Medicine
2009	Chevalier de l'Ordre National de la Legion d'Honneur

EDITORIAL RESPONSIBILITIES

1984	Editorial Board: Biology of the Cell
1986-1990	Editorial Board: EMBO Journal
1987-1990	Monitoring Editor: Journal of Cell Biology
1988-1994	Editorial Board: Journal of Cell Science
1990-	Editorial Board: Journal of Cellular Biochemistry
1991-1994	Corresponding Editor: Philosophical Transactions of the Royal Society
1991-2000	Associate Editor: Invasion and Metastasis
1992-2000	Co-Editor in Chief: Cell Adhesion and Communication
1992- 2006	Editorial board: Comptes Rendus French Academy of Sciences
1994	Section Editor: Current Opinion in Cell Biology
1995-	Editorial Board: Current Opinion in Cell Biology
1995-2000	Editorial Board: European Journal of Cancer
1998-2001; 2011-	Editorial Board: Clinical & Experimental Metastasis
2015-	Science Translational Medicine Advisory Board

MEMBERSHIP IN PROFESSIONAL SOCIETIES

EMBO (1984-)
 French Cell Biology Society
 Metastasis Research Society
 Academia Europaea (1990)
 American Cell Biology Society

American Association for Cancer Research (1992-)
International Society of Developmental Biology
French Academy of Sciences, Corresponding Member (1993-)

CURRENT RESEARCH INTERESTS

Mechanobiology of cell adhesion
Molecular basis of morphogenesis,
Mechanisms of carcinoma invasion and metastasis
Translational research in oncology

TEACHING

- 1985-2004** Undergraduate programs: Cell Biology; Cellular and Molecular Biology of Development ; Cellular and Molecular Biology ; Biochemistry of Proteins ; Oncogenesis ; Molecular ; Pharmacology ; Epithelium Pathology ; Cancer Biology and Treatment
- 2004-2006** Cofounder and member of the executive committee Doctoral School of Cancer of Paris University XI Director of the Master of Oncology
- 2006-2012** Adjunct Professor of Pathology NUS
- 2012-** Professor NUS

PATENTS

Patent Institut Curie and CNRS, Publication number EP1208231, international extension PCT WO 0068424 Application number: EP 00936765.7, date: 04-05-2000
Priority number: US 132705 P, date: 05-05-1999
“diagnosis and treatment of pathologies associated with FGFR3“
Inventors : D. Cappellen, D. Chopin, F. Radvanyi, D. Ricol, J. P. Thiery
Patent CNRS 9908779, US application WO 01/04160
“ anti-idiotypic antibodies against fibroblast growth factor 1 and their use as Drugs”
Inventors J. Plouet, S. Sordello, B. Malavaud, J. Jouanneau, P. Savagner, J. P. Thiery.
Licence granted to AbTECH
Application No: 61/538,487 Filing Date: 23 September 2011 United States of America Title: Epithelial Mesenchymal Transition-Based Strategy For Patient Stratification And Targeted Therapeutics Of Ovarian Carcinoma Patients
Inventors: Thiery Jean Paul, Seiichi Mori, Ruby Huang, Sim Wen Jing
Applicants: Agency for Science, Technology and Research, National University of Singapore
Application No 61/582,276 Filing Date 2 January 2012 US Provisional Patent Application
Title: “A cell-based small molecule screening method for identifying inhibitors of epithelial-mesenchymal transition in carcinoma”
Inventors: Jean Paul Thiery; Chua Kian Ngip; Sim Wen Jing
Applicants: Agency for Science, Technology and Research, National University of Singapore
United States of America Patent Application No. 14/346,693 based on PCT Patent application no.: PCT/SG2012/000354

Entitled: Patient Stratification And Determining Clinical Outcome For Cancer Patients

Applicants: A*STAR; NUS

Inventors: Jean Paul Thiery, Chua Kian Ngiam, Sim Wen Jing, Zhou Wu, Huang Yun-Ju and Mori Seiichi

ETPL ref: IMC/P/06611/03/US

Application number PCT/SG2014/000521 filed november 5, 2014

bladder cancer biomarkers. Inventors Jean Paul Thiery, Kumar Prashant, Jeyantha Guranatne

Applicants: Agency for Science, Technology and Research

PUBLICATIONS

Citations (Google Scholar) 36516

h-index 93

1971

1. Ehrlich, S.D., Thiery, J.P. and Bernardi, G. (1971). Analysis of nucleosides on columns of fractionated Sephadex G-10. *Biochim. Biophys. Acta* 246, 161-168.

1972

2. Ehrlich, S.D., Thiery, J.P. and Bernardi, G. (1972). The mitochondrial genome of wild-type yeast cells III. The pyrimidine tracts of mitochondrial DNA. *J. Mol. Biol.* 65, 207-212.

1973

3. Soave, C., Thiery, J.P., Ehrlich, S.D. and Bernardi, G. (1973). Studies on acid deoxyribonuclease. Kinetics of the middle and terminal phases of degradation of DNA by spleen acid DNase. *Eur. J. Biochem.* 38, 423-433.

4. Thiery, J.P., Ehrlich, S.D., Devillers-Thiery, A. and Bernardi, G. (1973). Specificity of spleen acid DNase. *Eur. J. Biochem.* 38, 434-442.

5. Laval, J., Thiery, J.P., Ehrlich, S.D., Paoletti, C. and Bernardi, G. (1973). Studies on the specificity of an deoxyribonuclease from *Helix aspersa* (Müll.). *Eur. J. Biochem.* 40, 133-137.

6. Bernardi, G., Ehrlich, S.D. and Thiery, J.P. (1973). The specificity of Deoxyribonucleases and their use in nucleotide sequences studies. *Nature New Biology* 246, 36-40.

7. Ehrlich, S.D., Thiery, J.P. and Bernardi, G. (1973). Pyrimidine tracts of the (A + T)-rich satellite DNA from Cancer pagurus. *Biochim. Biophys. Acta* 312, 633-636.

8. Filipski, J., Thiery, J.P. and Bernardi, G. (1973). An analysis of the bovine genome by Cs_2SO_4 - AG^+ density gradient centrifugation. *J. Mol. Biol.* 80, 177-197.

9. Bernardi, G., Ehrlich, S.D. and Thiery, J.P. (1973). A

new approach to the study of nucleotide sequences in DNAs in *Molecular Cytogenetics*, Hamkalo, B.A. and Papaconstantinou, J. eds, pp. 95-99, Plenum Press, New York.

1974

10. Ehrlich, S.D., Thiery, J.P., Devillers-Thiery, A. and Bernardi, G. (1974). A new approach to the study of repetitive DNAs. *Nucleic Acids Research* 1, 87-96.

11. Bernardi, G., Ehrlich, S.D. and Thiery, J.P. (1974). A new approach to the study of nucleotide sequences in DNA: the analysis of termini formed by DNases, in "Methods in Enzymology", Grossman, L. and Moldave, K., eds, Vol. 29, 341-355, Academic Press, New York.

12. Timasheff, S.N., Thiery, J.P., Prunell, A. and Bernardi, G. (1974). Circular dichroism of satellite DNAs. *Fed. Proc.* 33, 1481.

13. Thiery, J.P. (1974). Thèse de Doctorat d'Etat, Université Paris VII. Une analyse de l'hétérogénéité de composition du génome des eucaryotes.

1975

14. Rutishauser, U., Yang, D., Thiery, J.P. and Edelman, G.M. (1975). Expression and behavior of cell surface receptors in development, in "Developmental Biology", ICN-UCLA Symposia on Molecular and Cellular Biology, McMahon, D. and Fox, C.F. eds, Vol. 2 pp. 3-18, W.A. Benjamin, Inc., Menlo Park.

1976

15. Rutishauser, U., Thiery, J.P., Brackenbury, R., Sela, B.A. and Edelman, G.M. (1976). Mechanisms of adhesion among cells from neural tissues of the chick embryo. *Proc. Natl. Acad. Sci., USA* 73, 577-581.

16. Thiery, J.P., Macaya, G. and Bernardi, G. (1976). An analysis of eukaryotic genomes by density gradient centrifugation. *J. Mol. Biol.* 108, 219-235.

17. Macaya, G., Thiery, J.P. and Bernardi, G. (1976). An approach to the organization of the eukaryotic genomes at the macromolecular level. *J. Mol. Biol.* 108, 237-254.

18. Tanguay, R., Gagne, R. and Thiery, J.P. (1976). Les ADN satellites humains et leur relation avec l'hétérochromatine constitutive périnucléolaire. *L'union Médicale du Canada* 105, 362-365.
- 1977**
19. Macaya, G., Bernardi, G. and Thiery, J.P. (1977). Human satellite DNAs, in "Chromosomes in Biology and Medicine", DNA sequences in man, Vol. 1, J.J. Yunis, eds., pp. 35-58, Academic Press, New York.
20. Thiery, J.P., Brackenbury, R., Rutishauser, U. and Edelman, G.M. (1977). Adhesion among neural cells of the chick embryo, in "Cellular Neurobiology", pp. 199-206, Alan R. Liss, New York.
21. Brackenbury, R., Thiery, J.P., Rutishauser, U. and Edelman, G.M. (1977). Adhesion among neural cells of the chick embryo. I. An immunological assay for molecules involved in cell-cell binding. *J. Biol. Chem.* 252, 6835-6840.
22. Thiery, J.P., Brackenbury, R., Rutishauser, U. and Edelman, G.M. (1977). Adhesion among neural cells of the chick embryo. II. Purification and characterization of a cell adhesion molecule from neural retina. *J. Biol. Chem.* 252, 6841-6845.
- 1978**
23. Kopecka, H., Macaya, G., Cortadas, J., Thiery, J.P. and Bernardi, G. (1978). Restriction enzyme analysis of satellite DNA components from the bovine genome. *Eur. J. Biochem.* 84, 189-195.
24. Rutishauser, U., Brackenbury, R., Thiery, J.P. and Edelman, G.M. (1978). Cell- adhesion molecules from neural tissues of the chick embryo, In "Proceedings of the First International Symposium on the Molecular Basis of Cell-Cell Interaction", Vol. 14, pp. 305-316, Alan R. Liss, New York.
25. Rutishauser, U., Thiery, J.P., Brackenbury, R. and Edelman, G.M. (1978). Adhesion among neural cells of the chick embryo. III. Relationship of the surface molecule CAM to cell adhesion and the development of histotypic patterns. *J. Cell Biol.* 79, 371-381.
- 1979**
26. Rutishauser, U., Brackenbury, R., Thiery, J.P. and Edelman, G.M. (1979). Surface molecules involved in interactions among neural cells during development in "Recent Advances in the Developmental Biology of Central Nervous System Malformations". N.C. Myrianthopoulos and D. Bergsma eds., The National Foundation-March of Dimes. Birth Defects: Original Article Series, Volume XV, No. 3, pp. 79-92, Alan R. Liss, New York.
27. Rutishauser, U., Thiery, J.P., Brackenbury, R. and Edelman, G.M. (1979). Surface molecules mediating interactions among embryonic neural cells in "The Neurosciences: Fourth Study-Program", Schmitt, F.O. and Worden, F.G., eds, pp. 735-747, The M.I.T. press.
28. Thiery, J.P. (1979). Adhérence cellulaire et histogénèse: un sujet fort controversé. *Biochimie* 61, 7-22.
29. Cudennec, C.A., Delouée, A. and Thiery, J.P. (1979). Embryonic hemoglobin production by teratocarcinoma derived cell in in vitro cultures in "Cell lineage, stem cells and cell determination" N. Le Douarin, ed., pp. 163-172, North-Holland Elsevier, Amsterdam.
- 1980**
30. Jorgensen, O.S., Delouée, A., Thiery, J.P. and Edelman, G.M. (1980). The nervous system specific protein D₂ is involved in adhesion among neurites from cultured rat ganglia, *FEBS Letters* 111, 39-42.
31. Newgreen, D. and Thiery, J.P. (1980). Fibronectin in early avian embryos: Synthesis and distribution along the migration pathways of neural crest cells. *Cell Tissue Res.* 211, 269-291.
32. Thiery, J.P. and Ben Slimane, S. (1980). Le chimiotactisme. *Biochimie* 62, 3-8.
33. Buskirk, D.R., Thiery, J.P., Rutishauser, U. and Edelman, G.M. (1980). Antibodies to a neural cell adhesion molecule disrupt histogenesis in cultured chick retinae. *Nature* 285, 488-489.
- 1981**
34. Cudennec, C.A., Thiery, J.P. and Le Douarin, N.M. (1981). In vitro induction of adult erythropoiesis in early mouse yolk sac. *Proc. Natl. Acad. Sci., USA.* 78, 2412-2416.
- 1982**
35. Thiery, J.P. and Le Douarin, N.M. (1982). Mechanisms of migration and differentiation of avian neural crest cells. In "Pediatric Oncology". Raybaud, C., Clément, R., Lebreuil, G. and Bernard, J.L., eds, pp. 3-18, Excerpta Medica Amsterdam.
36. Duband, J.L. and Thiery, J.P. (1982). Distribution of fibronectin in the early phase of avian cephalic neural crest cell migration. *Dev. Biol.* 93, 308-323.
37. Thiery, J.P., Duband, J.L. and Delouée, A. (1982). Pathways and mechanism of avian trunk neural crest cell migration and localization. *Dev. Biol.* 93, 324-343.
38. Thiery, J.P., Duband, J.L., Rutishauser, U. and Edelman, G.M. (1982). Cell adhesion molecules in early chicken embryogenesis. *Proc. Natl. Acad. Sci., USA* 79,

6737-6741.

39. Duband, J.L. and Thiery, J.P. (1982). Appearance and distribution of fibronectin during chick embryo gastrulation and neurulation. *Dev. Biol.* 94, 337-350.

40. Duband, J.L., Delouvé, A., Rovasio, R.A. and Thiery, J.P. (1982). Mechanism of avian crest cell migration and homing. In "Embryonic development, part B: Cellular Aspects", M.M. Burger and R. Weber eds. In *Progress In Clinical and Biological Research*, Vol. 85B, pp. 497-508, Alan R. Liss, Inc, New York.

41. Thiery, J.P., Rovasio, R.A., Duband, J.L. and Delouvé, A. (1982). The extracellular matrix in early embryogenesis. In "Hormones and Cell Regulation". J.N. Dumont and J. Nunez eds. Vol. 7, pp. 319-334, Elsevier North-Holland, Amsterdam.

42. Thiery, J.P. and Le Douarin, N.M. (1982). Mechanisms of cell migration, cell recognition and cell differentiation during early avian embryogenesis. In "Embryo transfer in mammals", Ch. Merieux, M. Bonneau, eds, pp. 5-15. Marcel Merieux Foundation, France.

1983

43. Rovasio, R.A., Delouvé, A., Yamada, K.M., Timpl, R. and Thiery, J.P. (1983). Neural crest cell migration: Requirements for exogenous fibronectin and high cell density. *J. Cell Biol.* 96, 462-473.

44. Ben Slimane, S., Houllier, F., Tucker, G. and Thiery, J.P. (1983). In vitro migration of avian hemopoietic cells to the thymus: Preliminary characterization of a chemotactic mechanism. *Cell Diff.* 13, 1-24.

45. Péault, B., Thiery, J.P. and Le Douarin, N.M. (1983). Surface marker for hemopoietic and endothelial cell lineages in quail that is defined by a monoclonal antibody. *Proc. Natl. Acad. Sci., USA* 80, 2976-2980.

46. Vincent, M., Duband, J.L. and Thiery, J.P. (1983). A cell surface determinant expressed early on migrating avian neural crest cells. *Develop. Brain Res.* 9, 235-238.

47. Edelman, G.M., Gallin, W., Delouvé, A., Cunningham, B.A. and Thiery, J.P. (1983). Early epochal maps of two different cell adhesion molecules. *Proc. Natl. Acad. Sci., USA* 80, 4384-4388.

48. Le Douarin, N.M., Cochard, P., Vincent, M., Duband, J.L., Tucker, G.C., Teillet, M.A. and Thiery, J.P. (1983). Nuclear, cytoplasmic, and membrane markers to follow neural crest cell migration: a comparative study. In "The role of extracellular matrix in development". American Society for Developmental Biology 42nd Annual Symposium, R.L. Trelstad, ed. Alan R. Liss, New York pp. 373-398.

49. Edelman, G.M., Hoffman, S., Cheng-Ming Chuong, Thiery, J.P., Brackenbury, R., Gallin, W.J., Grumet, M., Greenberg, M.E., Hemperly, J.J., Cohen, C. and Cunningham, B.A. (1983). Structure and modulation of neural cell adhesion molecules in early and late embryogenesis. *Cold Spring Harbor Quantitative Symposium on Molecular Neurobiology*, 47, 515-526.

50. Thiery, J.P., Duband, J.L., Tucker, G.C., Darrivière, T. and BoucAUT, J.C. (1983). The role of fibronectin in cell migration during early vertebrate embryogenesis. In "Matrices and cell differentiation". R.B. Kemp, R. Hinchliffe, eds. In *Progress in Clinical and Biological Research* 151, pp. 187-198, Alan R. Liss, Inc, New York.

1984

51. Thiery, J.P., Rovasio, R., Duband, J.L., Delouvé, A., Vincent, M. and Aoyama, H. (1984). Role of the extracellular matrix in neural crest cell migration. In "The role of cell interactions in early neurogenesis". Duprat, M.A., Kato, A.C. and Weber, M. eds. "NATO ASI and Conference Series" Vol. 77, pp. 139-144. Plenum Press, New York, London.

52. Le Douarin, N.M., Jotereau, F.V., Houssaint, E. and Thiery, J.P. (1984). Primary lymphoid organ ontogeny in birds. In "Chimeras in Developmental Biology". Le Douarin, N.M. and McLaren A. eds. pp. 179-215. Academic Press, London.

53. BoucAUT, J.C., Darrivière, T., Boulekbache, H. and Thiery, J.P. (1984). Prevention of gastrulation but not neurulation by antibodies to fibronectin in amphibian embryos. *Nature* 307, 364-367.

54. Labastie, M.C., Thiery, J.P. and Le Douarin, N.M. (1984). Mouse yolk sac and intraembryonic tissues produce factors able to elicit differentiation of erythroid burst-forming units and colony-forming units, respectively. *Proc. Natl. Acad. Sci. USA*, Vol. 81, 1453-1456.

55. Thiery, J.P., Delouvé, A., Gallin, W., Cunningham, B.A. and Edelman, G.M. (1984). Ontogenetic expression of cell adhesion molecules: L-CAM is found in epithelia derived from the three primary germ layers. *Dev. Biol.* 102, 61-78.

56. Vincent, M. and Thiery, J.P. (1984). A cell surface marker for neural crest and placodal cells: further evolution in peripheral and central nervous system. *Dev. Biol.* 103, 468-481.

57. Tucker, G.C., Aoyama, H., Lipinski, M., Tursz, T. and Thiery, J.P. (1984). Identical reactivity of monoclonal antibodies HNK-1 and NC-1: conservation in vertebrates on cells derived from the neural primordium and on some leukocytes. *Cell Diff.* 14, 223-230.

58. Boucaut, J.C., Darrivière, T., Poole, T.J., Aoyama, H., Yamada, K.M. and Thiery, J.P. (1984). Biologically active synthetic peptides as probes of embryonic development: A competitive peptide inhibitor of fibronectin function inhibits gastrulation in amphibian embryos and neural crest cell migration in avian embryos. *J. Cell Biol.* 99, 1822-1830.

59. Thiery, J.P. (1984). Mechanisms of cell migration in the vertebrate embryo. *Cell Diff.* 15, 1-15.

60. Thiery, J.P. (1984). Les migrations cellulaires. *Encyclopedia Universalis*, pp. 367-375.

61. Thiery, J.P. (1984). Fibronectin in early embryonic development of the vertebrate. *Bio Essays* 2, 32-34.

62. Tucker, G.C. and Thiery, J.P. (1984). Molécules de surface associées à des migrations cellulaires et au remodelage tissulaire au cours de l'embryogénèse - Aspects cellulaires et pathologiques du métabolisme des glycoconjugués - ed. INSERM, 126, 409-434.

1985

63. Thiery, J.P., Tucker, G.C. and Aoyama, H. (1985). Gangliogenesis in the avian embryo: migration and adhesion properties of neural crest cells in "Molecular basis of neural W.E. Gall and W.M. Cowan eds., pp. 181-211. John Wiley and Sons, New York.

64. Duband, J.L., Tucker, G.C., Poole, T.J., Vincent, M., Aoyama, H. and Thiery, J.P. (1985). How do the migratory and adhesive properties of the neural crest govern ganglia formation in the avian peripheral nervous system? *J. Cell. Biochem.* 27, 189-203.

65. Thiery, J.P., Delouvé, A., Grumet, M. and Edelman, G. (1985). Initial appearance and regional distribution of the neuron-glia cell adhesion molecule in the chick embryo. *J. Cell Biol.* 100, 442-456.

66. Thiery, J.P., Duband, J.L. and Delouvé, A. (1985). The role of cell adhesion in morphogenetic movements during early embryogenesis. In "The cell in contact: adhesions and junctions as morphogenetic determinants". Edelman, G.M. and Thiery, J.P. eds. pp. 169-196. John Wiley and sons, New York.

67. Aoyama, H., Delouvé, A. and Thiery, J.P. (1985). Cell adhesion mechanisms in gangliogenesis studied in avian embryo and in a model system. *Cell Diff.* 17, 247-260.

68. Duband, J.L. and Thiery, J.P. (1985). Adhesive molecules and their role during the ontogeny of the peripheral nervous system. *Cellular and Molecular Control of Direct Cell Interactions* H.-J. Marthy, ed., NATO ASI series, Series A: Life Sciences, Vol. 99, pp.

85-118. Plenum Press, New York.

69. Thiery, J.P., Duband, J.L. and Tucker, C.G. (1985). Cell migration in the vertebrate embryo: Role of cell adhesion and tissue environment in pattern formation. *Ann. Rev Cell Biol.* 1, 91-113.

70. Thiery, J.P., Boucaut, J.C. and Yamada, K.M. (1985). Cell migration in the vertebrate embryo. In "Molecular determinants of animal form UCLA Symposia on Molecular and Cellular Biology", New Series, 31, ed., pp. 167-193. G.M. Edelman, Alan R. Liss, New York.

71. Boucaut, J.C., Darrivière, T., Shi De Li, Boulekbache, H., Thiery, J.P. and Yamada, K.M. (1985). Evidence for the role of fibronectin in amphibian gastrulation. *J. Embryol. exp. Morph.* 89, 211-227.

1986

72. Thiery, J.P., Duband, J.L., Rocher, S. and Yamada, K.M. (1986). Adhesion and migration of avian neural crest cells: An evaluation of the role of several extracellular matrix components. *Prog. Clin. Biol. Res.* 217, 155-168.

73. Poole, T.J. and Thiery, J.P. (1986). Antibodies and a synthetic peptide that block cell-fibronectin adhesion arrest neural crest cell migration in vivo. *Prog. Clin. Biol. Res.* 217B, 235-238.

74. Duband, J.L., Rocher, S., Yamada, K.M. and Thiery, J.P. (1986). Interactions of migrating neural crest cells with fibronectin. *Prog. Clin. Biol. Res.* 226, 127-139.

75. Thiery, J.P. and Boucaut, J.C. (1986). Early neurogenesis in vertebrates. In "Cellular and Molecular Aspect of Developmental Biology". Fougereau, M. and Stora, R., eds, Elsevier North Holland, pp. 221-243.

76. Thiery, J.P. and Duband, J.L. (1986). Role of tissue environment and fibronectin in the patterning of neural crest derivatives. *Trends Neurosci.* 9, 565-570.

77. Tucker, G.C., Ciment, G. and Thiery, J.P. (1986). Pathways of avian neural crest cell migration in the developing gut. *Dev. Biol.* 116, 439-450.

78. Duband, J.L., Rocher, S., Chen, W-T, Yamada, K.M. and Thiery, J.P. (1986). Cell adhesion and migration in the early vertebrate embryo: Location and possible role of the putative fibronectin receptor complex. *J. Cell Biol.* 102, 160-178.

79. Crossin, K.L., Hoffman, S., Grumet, M., Thiery, J.P. and Edelman, G.M. (1986). Site-restricted expression of cytotoxin during development of the chicken embryo. *J. Cell Biol.* 102, 1917-1930.

80. Savagner, P., Imhof, B.A., Yamada, K.M. and Thiery, J.P. (1986). Homing of hemopoietic precursor cells to the embryonic thymus: Characterization of an invasive mechanism induced by chemotactic peptides. *J. Cell Biol.* 103, 2715-2729.
81. Champion, S., Imhof, B.A., Savagner, P. and Thiery, J.P. (1986). The embryonic thymus produces chemotactic peptides involved in the homing of hemopoietic precursors. *Cell* 44, 781-790.
82. Thiery, J.P. (1986). Molecular mechanisms of cell adhesion in neurogenesis. In "Molecular Aspects of Neurobiology". Levi-Montalcini R. ed., pp. 137-142. Springer-Verlag, Berlin.
83. Dufour, S., Duband, J.L., and Thiery, J.P. (1986). Role of a major cell-substratum adhesion system in cell behavior and morphogenesis. *Biol. Cell.* 58, 1-14.
- 1987**
84. Duband, J.L. and Thiery, J.P. (1987). Distribution of laminin and collagens during avian neural crest development. *Development* 101, 461-478.
85. Duband, J.L., Darribère, T., Boulekbache, H., Boucaut, J.C. and Thiery, J.P. (1987). Regulation of development by the extracellular matrix. In "Cell Membranes: Methods and Reviews", Vol. 3, pp. 1-53. Elson, E.L., Frazier, W.A. and Glaser, L., eds., Plenum Press, New York.
86. Tucker, G.C., Dellagi, K., Schmitt, C., Brouet, J.C. and Thiery, J.P. (1987). Heterogeneity of human anti-MAG IgM as revealed by their reactivity on avian embryonic tissues. *Clin. and Exp. Immunol.* 67, 352-361.
87. Duband, J.L., Dufour, S., Hatta, K., Takeichi, M., Edelman, G.M. and Thiery, J.P. (1987). Adhesion molecules during somitogenesis in the avian embryo. *J. Cell Biol.* 104, 1361-1374.
88. Naidet, C., Semeriva, M., Yamada, K.M. and Thiery, J.P. (1987). Peptides containing the cell-attachment recognition signal Arg-Gly-Asp-sequence prevent gastrulation in *Drosophila* embryos. *Nature* 325, 348-350.
89. Thiery, J.P. (1987). Bases moléculaires de la morphogénèse. *Encyclopédie Diderot*.
90. Obara, M., Kang, M.S., Rocher-Dufour, S., Kornblihtt, A., Thiery, J.P. and Yamada, K.M. (1987). Expression of the cell-binding domain of human fibronectin in *E. coli*: Identification of sequences promoting full to minimal adhesive function. *FEBS Letters* 213, 261-264.
91. Thiery, J.P., Dufour, S., and Duband, J.-L. (1987). Fibronectines, morphogénèse et migrations cellulaires. *Médecine/Science* 3, 316-325.
92. Dufour, S., Duband, J.L. and Thiery, J.P. (1987). Rôle des fibronectines et de leurs récepteurs dans l'adhérence et la migration cellulaire au cours de l'embryogénèse. *Regards sur la Biochimie*, 1987 (1/2), 19-22.
93. Boyer, B., Tucker, G.C., Delouée, A., Ouhayoune, J.P. and Thiery, J.P. (1987). Cell adhesion systems: Molecular structure and function in embryogenesis and metastasis. In "Cancer Metastasis". Biological and Biochemical Mechanisms and Clinical Aspect, Hellman, K., Liotta, L.A. and Prodi, G. eds, Plenum Publishing 233, 235-244.
- 1988**
94. Duband, J.L., Volberg, T., Thiery, J.P., and Geiger, B. (1988). Spatial and temporal distribution of the adherens-junction associated adhesion molecule A-CAM during avian embryogenesis. *Development* 103, 325-344.
95. Gratecos, D., Naidet, C., Astier, M., Thiery, J.P. and Semeriva, M. (1988). *Drosophila* fibronectin: A protein that shares similar properties to those of its mammalian homologue. *EMBO J.* 7, 215-223.
96. Duband, J.L., Dufour, S., Yamada, K. and Thiery, J.P. (1988). The migratory behavior of avian embryonic cells does not require phosphorylation of the fibronectin-receptor complex. *FEBS Letter* 230, 181-185.
97. Tucker, G.C., Delarue, M.J., Zada, S., Boucaut, J.C. and Thiery, J.P. (1988). Expression of the HNK-1/NC-1 epitope in early vertebrate neurogenesis. *Cell and Tissue Res.* 251, 457-465.
98. Thiery, J.P. (1988). Système d'adhérence et morphogénèse. *Communication Cellulaire et Pathologie*. Kordon, C., Degos, L. eds, pp. 78-82 INSERM. John Libbey, Eurotext Paris.
99. Tucker, G.C., Duband, J.L., Dufour, S. and Thiery, J.P. (1988). Cell-adhesion and substrate-adhesion molecules: Their instructive roles in neural crest cell migration. *Development* 103 suppl., 82-94.
100. Dufour, S., Duband, J.L., Kornblihtt, A.R., and Thiery, J.P. (1988). The role of fibronectins in embryonic cell migrations. *TIG* 4, 198-202.
101. Dufour, S., Duband, J.L., Humphries, M.J., Obara, M., Yamada, K.M. and Thiery, J.P. (1988). Attachment, spreading and locomotion of avian neural crest cells are mediated by multiple adhesion sites on fibronectin molecules. *EMBO J.* 7, 2661-2671.
102. Imhof, B.A., Deugnier, M.A., Girault, J.M.,

- Champion, S., Damais, C., Itoh, T. and Thiery, J.P. (1988). Thymotaxin: A thymic epithelial peptide chemotactic for T-cell precursors. *Proc. Nat. Acad. Sci. USA* 85, 7699-7703.
103. Duband, J.L., Nuckolls, G.H., Ishihara, A., Hasegawa, T., Yamada, K.M., Thiery, J.P. and Jacobson K. (1988). Fibronectin receptor exhibits high lateral mobility in embryonic locomoting cells but is immobile in focal contacts and fibrillar streaks in stationary cells. *J. Cell Biol.* 107, 1385-1397.
104. Savagner, P., Bauvois, B., Deugnier, M.A., Imhof, B.A., and Thiery, J.P. (1988). Aspects of haemopoietic cell dynamics: Ontogeny and targeted migration. *Ann. Inst. Pasteur Immunol.* 139, 409-431.
105. Thiery, J.P., Boyer, B., Tucker, G.C., Gavrilovic, J. and Vallés, A.M. (1988). Adhesion mechanisms in embryogenesis and in cancer invasion and metastasis. In *Ciba Foundation Symposium* 141, 48-74.
106. Imhof, B.A., Deugnier, M.A., Itoh, T. and Thiery, J.P. (1988). T lymphocyte precursors migrate towards chemotactic peptides secreted by embryonic or juvenile thymus. In *Histophysiology of the Immune System*; Fossum, S. and Rolstad, B. eds., pp. 565-570. Plenum Publishing Corporation.
107. Imhof, B.A., Deugnier, M.A., Bauvois, B., Dunon, D., and Thiery, J.P. (1988). Properties of pre-T cells and their chemotactic migration to the thymus. In "Thymus update", Kendall, M.D., Ritter, M.A. eds. pp. 3-19. Harwood Academic Publishers, London.
108. Duband, J.L., Dufour, S. and Thiery, J.P. (1988). Extracellular matrix-cytoskeleton interactions in locomoting embryonic cells. *Protoplasma* 145, 112-119.
109. Dufour, S., Duband, J.L. and Thiery, J.P. (1988). Fibronectin in embryonic cell motility. In "Structure and functions of the cytoskeleton", Rousset, B. ed., John Libbey Eurotext Ltd. 171, 101-112.
- 1989**
110. Richoux, V., Darribère, T., Boucaut, J.C., Flechon, J.E. and Thiery, J.P. (1989). Distribution of fibronectins and laminin in the early pig embryo. *Anat. Record* 223, 72-81.
111. Thiery, J.P. (1989). Cell adhesion in morphogenesis. In "Cell to Cell Signals in Mammalian Development". NATO ASI Series, De Laat, S.W., Bluemink, J.G. and Mummery, C.L., eds, H26 pp. 109-128.
112. Deugnier, M.A., Imhof, B.A., Bauvois, B., Dunon, D., Denoyelle, M. and Thiery, J.P. (1989). Characterization of rat T cell precursors by chemotactic migration toward thymotaxin, *Cell* 56, 1073-1083.
113. Thiery, J.P. Duband, J.L., Dufour, S., Savagner, P. and Imhof, B.A. (1989). Roles of fibronectins in embryogenesis. In "Fibronectin" Mosher, D.F. ed. Academic Press, 181-212.
114. Boyer, B., Tucker, G.C., Vallés, A.M., Franke, W.W. and Thiery, J.P. (1989). Rearrangements of desmosomal and cytoskeletal proteins during the transition from epithelial to fibroblastoid organization in cultured rat bladder carcinoma cells. *J. Cell. Biol.* 109, 1495-1509.
115. Bauvois, B., Ezine, S., Imhof, B.A., Denoyelle, M. and Thiery, J.P. (1989). A role for the thymic epithelium in the selection of pre-T cells from murine bone marrow. *J. Immunol.* 143, 1077-1086.
116. Boyer, B., Tucker, G.C., Vallés, A.M., Gavrilovic, J. and Thiery, J.P. (1989). Reversible transition towards a fibroblastic phenotype in a rat carcinoma cell line. *Int. J. Cancer* 4, 69-75.
117. Boyer, B. and Thiery, J.P. (1989). Epithelial cell adhesion mechanisms. *J. Membrane Biol.* 112, 97-108.
118. Dargemont, C., Dunon, D., Deugnier, M.A., Denoyelle, M., Girault, J.M., Godeau, F., Lederer, F., Diep Lê K. H., Thiery, J.P. and Imhof, B.A. (1989). Thymotaxin, a chemotactic protein, is identical to β_2 -microglobulin. *Science* 246, 803-806.
- 1990**
119. Duband, J.L., Dufour, S. and Thiery, J.P. (1990). The instructive role of fibronectins in cell migrations during embryonic development. *Annals New York Academy of Sciences* 588, 273-280.
120. Tucker, G.C., Boyer, B., Gavrilovic, J., Emonard, H. and Thiery, J.P. (1990). Collagen-mediated dispersion of NBT-II rat bladder carcinoma cells. *Cancer Res.* 50, 129-137.
121. Thiery, J.P., Duband, J.L. and Dufour, S. (1990). Adhesion systems in morphogenesis and cell migration during avian embryogenesis. In "Morphoregulatory Molecules", Edelman, G.M., Cunningham, B.A. and Thiery, J.P. eds., pp. 597-625. John Wiley and Sons, New York.
122. Vallés, A.M., Boyer, B., Tucker, G.C., Badet, J., Barritault, D. and Thiery, J.P. (1990). Acidic fibroblast growth factor is a modulator of epithelial plasticity in a rat bladder carcinoma cell line. *Proc. Natl. Acad. Sci. USA* 87, 1124-1128.
123. Darribère, T., Guida, K., Larjava, H., Johnson, K.E., Yamada, K.M., Thiery, J.P. and Boucaut J.C.

- (1990) In vivo analyses of integrin $\beta 1$ function in fibronectin matrix assembly in the early development of the amphibian *Pleurodeles*. *J. Cell Biol.* 110, 1813-1823.
124. Levi, G., Duband, J.L. and Thiery, J.P. (1990). Modes of cell migration in the vertebrate embryo. *International Review of Cytology* 123, 201-252.
125. Levi, G., Broders, F., Dunon, D., Edelman G.M. and Thiery, J.P. (1990). Tyroxine-dependent modulations of the expression of the neural cell adhesion molecule N-CAM during *Xenopus laevis* metamorphosis. *Development* 109, 681-692.
126. Duband, J.L., and Thiery, J.P. (1990). Spatio-temporal distribution of the adherens junction-associated molecules vinculin and talin in the early avian embryo. *Cell Diff and Develop.* 30, 55-76.
127. Duband, J.L., and Thiery, J.P. (1990). Spatial and temporal distribution of vinculin and talin in migrating avian neural crest cells and their derivatives. *Development* 108, 421-433.
128. Arsanto, J.P., Diano, M., Thouveny, Y., Thiery, J.P. and Lévi, G. (1990). Patterns of tenascin expression during tail regeneration of the amphibian urodele *Pleurodeles waltl*. *Development* 109, 177-188.
129. Deugnier, M.A., Dargemont, C., Denoyelle, M., Blanche, M. and Thiery, J.P. (1990). Rat bone marrow cells undergo thymopoiesis in mouse fetal thymic organ culture. *Eur. J. Immunol.* 20, 2075-2080.
130. Didier, E., Didier, P., Guillot, J. and Thiery, J.P. (1990). Expression and distribution of carbohydrate sequences in the chick germ cells: a comparative study with lectins and the NC-1/HNK-1 monoclonal antibody. *Int J. Develop. Biol.* 34, 421-431.
131. Boyer, B., Jouanneau, J., Tucker, G.C., Vallés, A.M., Sastre, X., Moens, G. and Thiery, J.P. (1990). La métastase cancéreuse. *Médecine/Sciences* 6, 433-442.
132. Vallés, A.M., Tucker, G.C., Boyer, B., Jouanneau, J., Moens, G. and Thiery, J.P. (1990). Scattering and motility activities of the extracellular matrix and growth factors on bladder carcinoma cells. *Cancer Investigation* 8, 655-657.
133. Vallés, A.M., Tucker, G., Thiery, J.P. and Boyer, B. (1990). Alternative patterns of mitogenesis and cell scattering induced by acidic FGF as a function of cell density in a rat bladder carcinoma cell line. *Cell Regulation* 1, 975-988.
134. Dunon, D., Kaufman, J., Salomonsen, K., Skjoedt, K., Vainio, O., Thiery, J.P. and Imhof, B. (1990). T cell precursor migration towards $\beta 2$ -microglobulin is involved in thymus colonization of chicken embryos. *EMBO J.* 9, 3315-3322.
135. Imhof, B.A., Skjoedt, K., Thiery, J.P. and Dunon, D. (1990). Chemotaxis: a molecular mechanism involved in thymus colonization. The avian model in developmental biology: from organism to genes. Editions du CNRS pp. 251-259.
136. Gavrilovic, J., Moens, G., Thiery, J.P. and Jouanneau, J. (1990). Expression of TGF α induces a motile fibroblast-like phenotype with extracellular matrix-degrading potential in a rat bladder carcinoma cell line. *Cell Regulation* 1, 1003-1014.
137. Thiery, J.P. (1990). Cell adhesion molecules as morphoregulators. In *Cell to Cell interaction*. Eds Burger, M.M., Sordat, B., Zinkernagel, R.M. pp. 242-246.
138. Boyer, B., Vallés, A.M., Tucker, G.C., Jouanneau, J., Moens, G. and Thiery, J.P., (1990). Modulation de la différenciation épithéliale d'un carcinome vésical de rat en culture. In *Path. Biol.* 38, 982-98.
- 1991**
139. Thiery, J.P. (1991). Cell adhesion in morphogenesis. In *Biological Signal Transduction NATO ASI series Wirtz, K.W.A. and Ross, E., eds, Vol. 52, 349-365.*
140. Levi, G., Gumbiner, B. and Thiery, J.P. (1991). The distribution of E-cadherin during *Xenopus laevis* development. *Development* 111, 159-169.
141. Jouanneau, J., Gavrilovic, J., Caruelle, D., Jaye, M., Moens, G., Caruelle, J.P. and Thiery, J.P. (1991). Secreted or non-secreted forms of acidic fibroblast growth factor produced by transfected epithelial cells influence cell morphology, motility and invasive potential. *Proc Natl. Acad. Sci.* 88, 2893-2897.
142. Thiery, J.P. and Boyer, B. (1991). Les molécules adhésives intercellulaires in *Biologie du cancer*. Eds Andrieu, J.M. and Janin, N. pp. 77-91. Ellipses Paris.
143. Duband, J.L., Dufour, S., Yamada, S., Yamada, K.M. and Thiery, J.P. (1991). Neural crest cell locomotion induced by antibodies to $\beta 1$ integrins. A tool for studying the roles of substratum molecular avidity and density in migration. *J. Cell Sci.* 98, 517-532.
144. Lacombe, M.L., Sastre-Garrod, X., Lascu, I., Wallet, V., Thiery, J.P. and Veron, M. (1991). Overexpression of Nucleoside Diphosphate Kinase (Nm23) in Solid Tumours. *Eur. J. Cancer* 27, 1302-1307.

145. Dufour, S., Gutman, A., Bois, F., Lamb, N., Thiery, J.P. and Kornblihtt, A. (1991). Generation of full-length cDNA recombinant vectors for the transient expression of human fibronectin in mammalian cell lines. *Exp. Cell Res.* 193, 331-338.
146. Dargemont, C., Dunon, D., Salamero, J., Deugnier, M.A. and Thiery, J.P. (1991). Overproduction and secretion of β 2-microglobulin by a rat thymic epithelial cell line that expresses MHC class I heavy chain. *J. Cell Sci.* 98, 559-565.
147. Riou, J.F., Alfandari, D., Eppe, M., Tacchetti, C., Chiquet, M., Boucaut, J.C., Thiery, J.P. and Levi, G. (1991). Purification and partial characterization of *Xenopus laevis* tenascin from the XTC cell line. *FEBS Letters* 279, 346-350.
148. Tucker, G.C., Boyer, B., Vallés, A.M. and Thiery, J.P. (1991). Combined effects of extracellular matrix and growth factors on NBT-II rat bladder carcinoma cell dispersion. *J. Cell Sci.* 100, 371-380.
149. Vallés, A.M., Boyer, B. and Thiery, J.P. (1991). Adhesion systems in embryonic epithelial-to mesenchyme transformations and in cancer invasion and metastasis, in *Cell Motility Factors*, pp.17-34. Eds Goldberg I., D., Birkhäuser Verlag, Basel.
150. Levi, G., Ginsberg, D., Girault, J.M., Sabanay, I., Thiery, J.P. and Geiger, B. (1991). EP-cadherin in muscles and epithelia of *Xenopus laevis* embryos. *Development* 113, 1335-1344.
151. Thiery, J.P. (1991). Cellular and molecular aspects of cancer metastasis. In *Karger Gazette*, pp. 6-9.
152. Levi, G., Kotliansky, V. and Thiery, J.P. (1991). Muscle differentiation in *Xenopus laevis* is characterized by particular states of vinculin phosphorylation. *Compte rendu de l'Académie des Sciences, Paris*, t. 313, Série III, pp. 537-543.
153. Jouanneau, J., Tucker, G.C., Boyer, B., Vallés, A.M. and Thiery, J.P. (1991). Epithelial cell plasticity in neoplasia. *Cancer Cells* 3, 525-529.
154. Tucker, G.C., Delouvé, A., Jouanneau, J., Gavrilovic, J., Moens, G., Vallés, A.M. and Thiery, J.P. (1991). Amplification of invasiveness in organotypic cultures after NBT-II rat bladder carcinoma stimulation with in vitro scattering factors. *Invasion and Metastasis* 11, 297-309.
155. Samuel, J.L., Barrieux, A., Dufour, S., Dubus, I., Contard, F., Kotliansky, V., Farhadian, F., Marotte, F., Thiery, J.P. and Rappaport, L. (1991). Accumulation of fetal fibronectin mRNAs during the development of rat cardiac hypertrophy induced by pressure overload. *J. Clin. Invest.* 88, 1737-1746.
- 1992**
156. Vallés, A.M., Boyer, B., Tucker, G., Jouanneau, J., Moens, G. and Thiery, J.P. (1992). The epithelial to mesenchymal transition of rat bladder carcinoma cells: an in vitro model system to study the initial steps of cancer dissemination. *Contributions to Oncology*. Karger Verlag. Rabes H, Peters PE and Munk, K., eds 44, pp. 49-59.
157. Tacchetti, C., Simonneau, L., Thiery, J.P. and Levi, G. (1992). Study of the function and regulation of liver N-CAM in *Xenopus laevis*. *Eur. J. Cell Biol.* 57, 236-243.
158. Duband, J.L., Belkin, A.M., Syfrig, J., Thiery, J.P. and Kotliansky, V. (1992). Expression of α 1 integrin, a laminin-collagen receptor, during myogenesis and neurogenesis in the avian embryo. *Development* 116, 585-600.
159. Darribère, T., Kotliansky, V., Chernousov, M.A., Akiyama, S.K., Yamada, K.M., Thiery, J.P. and Boucaut, J.C. (1992). Distinct regions of human fibronectin are essential for fibril assembly in an *in vivo* developing system. *Develop. Dynamics* 194, 63-70.
160. Boyer, B., Dufour, S. and Thiery, J.P. (1992). E-cadherin expression during the acidic FGF-induced dispersion of a rat bladder carcinoma cell line. *Exp. Cell Res.* 201, 347-357.
161. Bellusci, S., Boyer, B., Broders, F., Delouvé, A., Duband, J.L., Dufour, S., Girault, J.M., Jouanneau, J., Kotliansky, V., Levi, G., Moens, G., Tucker, G.C., Vallés, A.M. and Thiery, J.P. (1992). Adhérence et mobilité des cellules embryonnaires et tumorales. *Pathologie Biologie*, pp. 779-784.
162. Saint-Jeannet, J.P., Levi, G., Girault, J.M., Kotliansky, V. and Thiery, J.P. (1992). Ventrolateral regionalization of *Xenopus laevis* mesoderm is characterized by the expression of α -smooth muscle actin. *Development* 115, 1165-1173.
163. Thiery, J.P. and Boyer, B. (1992). The junction between cytokines and cell adhesion. *Current Opinion in Cell Biology* 4, 782-792.
164. Thiery, J.P. and Boyer, B. (1992). Les molécules adhésives et la communication cellulaire. *Pour la Science* 17, 36-43.
165. Boyer, B., Vallés, A.M., Tucker, G., Delouvé, A. and Thiery, J.P. (1992). Involvement of cell motility in tumor progression in cell behavior: Adhesion and Motility, 3rd memorial meeting for Abercrombie, Ed. Jones G. pp. 183-195.

166. Dargemont, C., Deugnier, M.A. and Thiery, J.P. (1992) Les migrations cellulaires et leur contrôle par les cytokines. In "Médiateurs. Aspects moléculaires et physiopathologiques". Eds. Pradel, Paris pp. 129-149.
167. Simonneau, L., Broders, F. and Thiery, J.P. (1992). N-cadherin transcripts in *Xenopus laevis* from early tailbud to tadpole. *Develop. Dynamics*.194, 247-260.
- 1993**
168. Boyer, B. and Thiery, J.P. (1993). Cyclic AMP distinguishes between two functions of acidic FGF in a rat bladder carcinoma cell line. *J. Cell Biol.* 120, 767-776.
169. Lazard, D., Sastre, X., Frid, M.G., Glukhova, M.A., Thiery, J.P., and Kotliansky, V. (1993). Expression of smooth muscle-specific proteins in myoepithelium and stromal myofibroblasts of normal and malignant human breast tissue. *Proc Natl. Acad. Sci.* 90, 999-1003.
170. Prakapas, Z., Denoyelle, M., Dargemont, C., Kroese, F.G.M., Thiery, J.P. and Deugnier, M.A. (1993). Enrichment and characterization of thymus-repopulating cells in stroma-dependent cultures of rat bone marrow. *J. Cell Science* 104, 1039-1048.
171. Glukhova, M.A. and Thiery, J.P. (1993). Fibronectin and integrins in development. K.M. Yamada, S. Akiyama, eds. in *Seminars in Cancer Biology*. Saunders Scientific Publications, Academic Press Ltd 4, 241-249.
172. Boyer, B. and Thiery, J.P. (1993). Epithelium-mesenchyme interconversion as example of epithelial plasticity. *Acta Pathol. Microbiol. Immunol. Scan.*101, 257-268.
173. Bornens, M., Louvard, D. and Thiery, J.P. (1993). *Penser la Cellule en 1993*. *Medecine/Sciences* 9, 198-202.
174. Levi, G., Kotliansky, V. and Thiery, J.P. (1993). Polarized distribution of vinculin epitopes in *Xenopus laevis* embryos. *Comptes rendus de l'Académie des Sciences* 316, 97-101.
175. Matthay, M.A., Thiery, J.P., Lafont, F., Stampfer, M.F. and Boyer, B. (1993). Transient effect of epidermal growth factor on the motility of an immortalized mammary epithelial cell line. *J. Cell Science* 106, 869-878.
176. Levi, G., Simonneau, L., Saint-Jeannet, J.P. and Thiery, J.P. (1993). Molecular transitions accompanying the growth of the axial musculature of *Xenopus laevis*, *C.R. Acad. Sci. Paris, Sciences de la Vie/Life Sciences* 316, 830-837.
177. Prakapas, Z., Denoyelle, M., Thiery, J.P. and Deugnier, M.A. (1993). Analysis of early reconstitution events in the SCID mouse thymus following rat bone marrow cell transplantation. *Immunology letters* 37, 63-71.
178. Broders, F., Girault, J.M., Simonneau, L., Suzuki, S. and Thiery, J.P. (1993). Cloning and distribution of *Xenopus* E-cadherin transcripts. *Cell Adhesion and Communication* 1, 265-277.
- 1994**
179. Vallés A.M., Thiery, J.P. and Boyer, B. (1994). In vitro studies of epithelium-to-mesenchyme transitions. *Cell Biology: A laboratory Handbook*. Celis J.E. ed. vol 1: 232-242.
180. Boyer, B., Vallés, A. M., Jouanneau, J., Delouvé, A. and Thiery J.P. (1994). Implication of scatter/growth factors in tumor progression in 24th Symposium Princess Takamatsu, Hiroshi S., ed. pp. 233-242.
181. Savagner, P., Boyer, B., Vallés, A.M., Jouanneau, J. and Thiery J.P. (1994). Modulations of the epithelial phenotype during embryogenesis and cancer progression in Mammary Tumorigenesis and Malignant Progression, Lippman, M.E. and Dickson R.B., Kluwer Academic Publishers pp. 229-249.
182. Vallés, A.M., Boyer, B. and Thiery, J. P. (1994). Distinct signal transduction pathways generate epithelial to mesenchymal transitions in NBT-II cells. In *Developmental Endocrinology*. Serono Symposia Publications. Sizonenko, P. C., Aubert, M. L., and Vassalli, J.D. eds. Vol 6, pp. 15-26.
183. Jouanneau, J., Moens, G., Bourgeois, Y., Poupon, M.F. and Thiery, J.P. (1994). A minority of carcinoma cells producing acidic fibroblast growth factor induces a community effect for tumor progression. *Proc. Natl. Acad. Sci. USA* 91, 286-290.
184. Bellusci, S., Moens, G., Gaudino, G., Comoglio, P., Nakamura, T., Thiery, J.P. and Jouanneau, J. (1994). Creation of an hepatocyte growth factor/scatter factor autocrine loop in carcinoma cells induces invasive properties associated with increased oncogenic potential. *Oncogene* 9, 1091-1099.
185. Bellusci, S., Moens, G., Thiery, J.P. and Jouanneau J. (1994). A scatter factor-like factor is produced by a metastatic variant of a rat bladder carcinoma line. *J. Cell Science* 107, 1277-1287.
186. Saint-Jeannet, J.P., Thiery, J.P. and Kotliansky, V. (1994). Effect of an inhibitory mutant of the FGF receptor on mesoderm-derived α -smooth muscle actin-expressing cells in *Xenopus* embryo *Develop. Biol.* 164,

374-382.

187. Dufour, S., Saint-Jeannet, J.P., Broders, F., Wedlich, D. and Thiery, J.P. (1994). Differential perturbations in the morphogenesis of anterior structures induced by overexpression of truncated XB- and N-cadherins in *Xenopus* embryos. *J. Cell Biol.* 127, 521-535.

188. Savagner, P., Valles A.M., Jouanneau, J. Yamada, K. and Thiery, J.P. (1994). Alternative splicing in Fibroblast Growth Factor receptor 2 is associated with induced epithelial-mesenchymal transition in rat bladder carcinoma cells. *Mol. Biol. Cell* 5, 851-862.

189. Thiery, J.P. (1994). Le stroma tumoral : une cible potentielle dans le traitement des cancers M/S 10, 505-506

1995

190. Beauvais, A., Erickson, C.A., Goins, T., Craig, S.E., Humphries, M.J., Thiery, J.P. and Dufour, S. (1995). Changes in the FN-specific integrin expression pattern modify the migratory behavior of S180 cells *in vitro* and in the embryonic environment. *J. Cell Biol.* 128, 699-713.

191. Glukhova, M., Koteliensky, V., Sastre, X. and Thiery, J.P. (1995). Adhesion systems in normal breast and in invasive breast carcinoma. *Amer. J. Pathol.* 146, 706-716.

192. Broders, F. and Thiery, J.P. (1995). Contribution of cadherins to directional cell migration and histogenesis in *xenopus* embryos. *Cell Adh. Com.* 3, 419-440.

193. Simonneau, L., Kitagawa, M., Suzuki, S. and Thiery, J.P. (1995). Cadherin 11 expression marks the mesenchymal phenotype: towards new functions for cadherins? *Cell Adh. Comm.* 3, 115-130.

194. Colombel, M., Radvanyi, F., Blanche, M., Abbou, C.C., Buttyan, R., Donehower, L.A., Chopin, D. and Thiery, J.P. (1995). Androgen suppressed apoptosis is modified in p53 deficient mice. *Oncogene* 10, 1269-1274.

195. Bellusci, S., Moens, G., Delouvé, A., Thiery, J.P. and Jouanneau, J. (1995). SFL production by carcinoma cells induces the aggressive properties of non-producing cells *in vivo* via a community effect. *Invasion and Metastasis* 14, 319-328.

196. Thiery, J.P. (1995). Multifunctional growth factors in morphogenesis and tumor progression. In *Biological Signal Transduction NATO ASI series* Wirtz, K.W.A. and Ross, E., Eds, Vol. H 92, 396-405.

197. Deugnier, M.A., Moiseyeva, E.P., Thiery, J.P. and

Glukhova, M. (1995). Myoepithelial cell differentiation in the developing mammary gland: progressive acquisition of smooth muscle phenotype. *Develop. Dyn.* 204, 107-117.

198. Jouanneau, J., Moens, G., Montesano, R. and Thiery, J.P. (1995). FGF-1 but not FGF-4 secreted by carcinoma cells promotes *in vitro* and *in vivo* angiogenesis and rapid tumor proliferation. *Growth Factors* 12, 37-47.

199. Rodier, J.M., Vallés, A.M., Denoyelle, M., Thiery, J.P. and Boyer, B. (1995). pp60^{c-src} is a positive regulator of growth factor-induced cell scattering in a rat bladder carcinoma cell line. *J. Cell Biol.* 131, 761-773.

200. Thiery, J.P. and Sastre-Garau, X. (1995). Processus métastatique : la cellule cancéreuse. *Rev. Prat.* 45, 1909-1919.

201. Broders, F. and Thiery, J.P. (1995). Structure and function of cadherins. In Zagris, N., Durston, A.J., and Duprat, A.M. Eds, « Organization of the early vertebrate embryo », Plenum Publishing Co., New York, pp 183-208.

202. Boyer, B., Vallés, A.M. and Thiery, J.P. (1995). *In vitro* studies of the mechanisms controlling epithelium-mesenchyme transitions. In Proceedings of the workshop interplay of genetic and physical processes in the development of biological form. Beysens, D., Forgacs, G., Gaill, F. Eds, World Scientific, pp 128-135.

203. Glukhova, M., Deugnier, M.-A. and Thiery, J. P. (1995). Tumour progression: the role of cadherins and integrins. *Molecular Medicine Today* 1, 84-89.

1996

204. Vallés, A.M., Boyer, B., Tarone, G. and Thiery, J.P. (1996). $\alpha 2\beta 1$ integrin is required for the collagen and FGF-1 induced cell dispersion in a rat bladder carcinoma cell line. *Cell Adh. Comm.* 4, 187-199.

205. Boyer, B., Vallés, A.M. and Thiery, J.P. (1996). « Model systems of carcinoma cell dispersion ». In attempts to understand metastasis formation I, *Metastasis-Related Molecules*, Günthert, U. and Birchmeier, W. Eds, Springer, pp 179-194.

206. Thiery, J.P. (1996). The saga of adhesion molecules. *J. Cell. Biochemistry* 61, 489-492.

207. Radvanyi, F., Bellusci, S., Boyer, B., Jouanneau, J., Savagner, P., Vallés, A.M. and Thiery, J.P. (1996). Multifunctional growth factors in tumor progression. Ernst Schering Research Foundation - Workshop 19 Lichtner/Harkins Eds - EGF Receptor in Tumor Growth and Progression, pp 155-163.

208. Bornens, M., Camonis, J., Goud, B., Thiery, J.P. and Louvard, D. (1996) Le nouvel âge de la cellule. *Médecine/Science* 12, 50-66.
209. Schweisguth, F. and Thiery, J.P. (1996). Adhérence cellulaire, communication et cancer. *Pour la Science* 229, 50-55.
210. Bonneton, C., Larue, L., Thiery, J.P. (1996). The APC gene product and colorectal carcinogenesis: a review, *C. R. Acad. Sci. Paris* 319, 861-869.
211. Thiery, J.P. (1996). "Not for the scatter-brained", Epithelial-mesenchymal interactions in cancer (book review). *Trends in Cell Biology* 6, 448-449.
- 1997**
212. Gil-Diez de Medina, S., Chopin, D., El Marjou, A., Delouée, A., La Rochelle, W.J., Hoznek, A., Abbou, C.C., Aaronson, S.A., Thiery, J.P. and Radvanyi, F. (1997). Decreased expression of keratinocyte growth factor receptor in a subset of human transitional cell bladder carcinomas. *Oncogene* 14, 323-330.
213. Jouanneau, J., Plouet, J., Moens, G., and Thiery, J.P. (1997). FGF-2 and FGF-1 expressed in rat bladder carcinoma cells have similar angiogenic potential but different tumorigenic properties *in vivo*. *Oncogene* 14, 671-676.
214. Beauvais-Jouneau, A., Delouée, A., Craig, S.E., Humphries, M.J., Thiery, J.P. and Dufour, S. (1997). Direct role of the carboxy-terminal cell-binding domain of fibronectin in neural crest cell motility. *Exp. Cell Res.* 233, 1-10.
215. Savagner, P., Yamada, K.M. and Thiery, J.P. (1997). The zinc-finger protein slug causes desmosome dissociation, an initial and necessary step for growth-factor-induced epithelial-mesenchymal transition. *J. Cell Biol.* 137, 1403-1419.
216. Cappellen, D., Gil-Diez De Medina, S., Chopin, D., Thiery, J.P. and Radvanyi, F. (1997). Frequent loss of heterozygosity on chromosome 10q in muscle-invasive transitional cell carcinomas of the bladder. *Oncogene* 14, 3059-3066.
217. Boyer, B., Roche, S., Denoyelle, M. and Thiery, J.P. (1997). Src and ras are involved in separate pathways in epithelial cell scattering. *EMBO J.* 16, 5904-5913.
218. Beauvais-Jouneau, A. and Thiery, J.P. (1997). Multiple roles for integrins during development. *Biology of the Cell* 89, 5-11.
219. Rhim, H., Savagner, P., Thibaudeau, G., Thiery, J.P. and Pavan W.J. (1997). Localization of a neural crest transcription factor, *Slug*, to mouse chromosome 16 and human chromosome 8. *Mammalian Genome* 8, 872-873.
220. Bonneton, C., Larue, L., Thiery, J.P. (1997). Données récentes sur le rôle de la protéine APC dans la genèse du cancer colorectal. *Synthèse, Bull Cancer* 84, 1053-60.
- 1998**
221. Delarue, M., Saez, F.J., Boucaut, J.C. Thiery, J.P. and Broders, F. (1998). Medial cell mixing during axial morphogenesis of the amphibian embryo requires cadherin function. *Dev. Dyn.* 213, 248-260.
222. Thiery, J.P. (1998). The Ig superfamily of adhesion molecules. Introductory remarks. *Guidebook to the Extracellular Matrix, Anchor, and Adhesion Proteins.* Oxford University Press, Kreis, T. and Vale, R. Eds, pp 125-128.
223. Grassi, M., Thiery, J.P. and Jouanneau, J. (1998). Modulation of epithelial traits during the progression of carcinoma. In "Epithelial morphogenesis in development and diseases", Goridis, C. and Birchmeier, W. Eds. Harwood Academic Press, pp 413-425.
224. Faraldo, M.M., Deugnier, M.A., Lukashev, M., Thiery, J.P., and Glukhova, M. (1998). Perturbation of β 1-integrin function alters the development of murine mammary gland. *EMBO J.* 17, 2139-2147.
225. Simonneau, L. and Thiery, J.P. (1998). The mesenchymal cadherin-11 is expressed in restricted sites during ontogeny of the rat brain in modes suggesting novel functions. *Cell Adh.Com.* 6/5, 431-450.
226. Pierres, A., Feracci, H., Delmas, V., Benoliel, A.M., Thiery, J.P. and Bongrand, P. (1998). Experimental study of the interaction range and association rate of surface-attached cadherin 11. *Proc. Natl. Acad. Sci. USA* 95, 9256-9261.
227. Savagner, P., Karavanova, I., Perantoni, A., Thiery, J.P. and Yamada, K.M. (1998). Slug mRNA is expressed by specific mesodermal derivatives during rodent organogenesis. *Dev. Dyn.* 213, 182-187.
228. Vallin, J., Girault, J.M., Thiery, J.P. and Broders, F. (1998). *Xenopus* cadherin-11 is expressed in different populations of migrating neural crest cells. *Mech. Dev.* 75, 171-174.
229. Gil-Diez de Medina, S., Salomon, L., Colombel, M., Abbou, C.C., Bellot, J., Thiery, J.P., Radvanyi, F., Van der Kwast, T.H. and Chopin, D.K. (1998). Modulation of cytokeratin subtype, EGF receptor, and androgen receptor expression during progression of prostate cancer. *Hum. Pathol.* 29, 1005-1012.

1999

230. Jouanneau, J., Moens, G. and Thiery, J.P. (1999). The community effect in FGF-1 mediated tumor progression of a rat bladder carcinoma does not involve a direct paracrine signaling. *Oncogene* 18, 327-333.
231. Deugnier, M.A., Faraldo, M.M., Rousselle, P., Thiery, J.P. and Glukhova, M.A. (1999). Cell-extracellular matrix interactions and EGF are important regulators of the basal mammary epithelial cell phenotype. *J. Cell Sci.* 112, 1035-1044.
232. Grassi, M., Girault, J.M., Wang, W.-P., Thiery, J.P. and Jouanneau, J. (1999). Metastatic rat carcinoma cells express a new retrotransposon. *Gene* 233, 59-66.
233. Okada-Ban, M., Grassi, M., Plouet, J., Thiery, J.P. and Jouanneau, J. (1999). Impact on tumor angiogenesis and tumor progression of expression of the 18kD and 24kD isoforms of FGF-2. *Path. Biol.* 47, 375-9.
234. Dufour, S., Beauvais-Jouneau, A., Delouée, A. and Thiery, J.P. (1999). Differential function of N-cadherin and cadherin-7 in the control of embryonic cell motility. *J. Cell Biol.* 146, 501-516.
235. Cappellen, D., De Oliveira, C., Ricol, D., Gil-Diez de Medina, S., Bourdin, J., Sastre-Garau, X., Chopin, D.K., Thiery, J.P. and Radvanyi, F. (1999). Frequent activating mutations of FGFR3 in human bladder and cervix carcinomas. *Nat. Genet.* 23, 18-20.
236. Gil-Diez de Medina, S., Popov, Z., Chopin, D. K., Southgate, J., Tucker, G., Delouée, A., Thiery, J.P. and Radvanyi, F. (1999). Relationship between E-cadherin and Fibroblast Growth Factor Receptor 2b expression in bladder carcinomas. *Oncogene* 18, 5722-5726.
237. de Maximy, A.A., Nakatake, Y., Moncada, S., Itoh, N., Thiery, J.P. and Bellusci, S. (1999). Cloning and expression pattern of a mouse homologue of *Drosophila sprouty* in the mouse embryo. *Mech. Dev.* 81, 213-216.
238. Bonneton, C., Sibarita, J.-B. and Thiery, J.P. (1999). Relationship between cell migration and cell cycle during the initiation of epithelial to fibroblastoid transition. *Cell Motility and Cytoskeleton* 43, 288-295.
239. Thiery, J.P., Grassi, M. (1999). Dynamique de la cellule vivante : enjeux et perspectives aux niveaux cellulaire et moléculaire. Ronot, X., Schoëvaert-Brossault, D. Eds. INSERM, pp 37-50.
240. Petit, V., Boyer, B., Thiery, J.P. and Vallés, A.M. (1999). Characterization of the signaling pathways regulating $\alpha 2\beta 1$ integrin-mediated events by a pharmacological approach. *Cell Adh. Com.* 7/3, 151-165.
241. Grassi, M., Moens, G., Rousselle, P., Thiery, J.P. and Jouanneau, J. (1999). The SFL activity secreted by metastatic carcinoma cells is related to laminin 5 and mediates cell scattering in an integrin-independent manner. *J. Cell Science* 112, 2511-2520.
242. Bellusci, S., de Maximy, A., Thiery, J.P. (1999). Contrôle moléculaire de la morphogénèse pulmonaire chez la souris. *Synthèse, médecine/sciences* 15, 815-22.
243. Thiery, J.P. and Chopin, D. (1999). Epithelial cell plasticity in development and tumor progression. *Cancer and Metastasis Reviews* 18, 31-42.
244. Beauvais-Jouneau, A., Pla, P., Bernex, F., Dufour, S., Salamero, J., Fässler, R., Panthier, J.-J., Thiery, J.P. and Larue, L. (1999). A novel model to study the dorsolateral migration of melanoblasts. *Mech. Dev.* 89, 3-14.
245. Morgan, R., Hooiveld, M.H.W., Pannese, M., Dati, G., Broders, F., Delarue, M., Thiery, J.P., Boncinelli, E. and Durston, A.J. (1999). A novel homologue of the actin-myosin binding protein calponin mediates the exclusion of *otx* expressing cells from convergence extension movements. *Nature Cell Biol.* 1, 404-408.
246. Ricol, D., Cappellen, D., El Marjou, A., Gil-Diez de Medina, S., Girault, J.-M., Ferry, G., Tucker, G., Poupon, M.-F., Chopin, D., Thiery, J.P. and Radvanyi, F. (1999). Tumour suppressive properties of fibroblast growth factor receptor 2-IIIb in human bladder cancer. *Oncogene* 18, 7234-7243.
247. Feracci, H., Broders, F., Dufour, S. and Thiery, J.P. (1999). Structure and functional studies with classical cadherins. In « Molecular Mechanisms of Transcellular Signaling-From Membrane Receptors to Transcription Factors ». Thiery, J.P. Ed., IOS Press, NATO Science Series A Life Sciences 309, 296-310.
248. Okada-Ban, M., Moens, G., Thiery, J.P. and Jouanneau, J. (1999). Nuclear 24kD FGF-2 confers metastatic properties to rat bladder carcinoma in a conventional FGF receptor independent manner. *Oncogene* 18, 6719-6724.
249. Delmas, V., Pla, P., Feracci, H., Thiery, J.P., Kemler, R. and Larue, L. (1999). Expression of the cytoplasmic domain of E-cadherin induces precocious mammary epithelial alveolar formation and affects cell polarity and cell-matrix integrity. *Dev. Biol.* 216, 491-506.

2000

250. Petit, V., Boyer, B., Lentz, D., Turner, C.E., Thiery, J.P. and Vallés, A.M. (2000) Phosphorylation of tyrosine residues 31 and 118 of Paxillin regulates cell migration

through an association with CRK in NBT-II cells. *J. Cell Biol.* 148, 957-969.

251. Okada-Ban, M., Thiery, J.P. and Jouanneau, J. (2000) Fibroblast growth factor-2. *Int. J. Biochem. Cell Biol.* 32, 263-267.

252. Morali, O.G., Jouneau, A., McLaughlin, K.J., Thiery, J.P. and Larue, L. (2000). IGF-II promotes mesoderm formation. *Dev. Biol.* 227, 133-145.

253. Popov, Z., Gil-Diez de Medina, S., Lefrère-Belda, M-A., Hoznek, A., Bastuji-Garin, S., Abbou, C.C., Thiery, J.P., Radvanyi, F. and Chopin, D.K. (2000) Low E-cadherin expression in bladder cancer at the transcriptional and protein level provides prognostic information. *Br. J. Cancer* 83, 209-214.

254. Faraldo, M.M., Deugnier, M.A.D., Thiery, J.P. and Glukhova, M.A. (2000) Development of mammary gland requires normal β 1-integrin function. *Adv. Exp. Med. Biol.* 480, 169-174.

255. Petit, V. and Thiery, J.P. (2000) Focal adhesions: structure and dynamics. *Biol. Cell* 92, 1-18.

2001

256. El Marjou, A., Delouvé, A., Thiery, J.P., Radvanyi, F. (2001) Involvement of Epidermal Growth Factor Receptor (EGFR) in chemically-induced mouse bladder tumour progression. *Carcinogenesis* 21, 2211-2218.

257. Mailleux, A., Tefft, J.D., Ndiaye, D., Nobuyuki, I., Thiery, J.P., Warburton, D. and Bellusci, S. (2001) Evidence that SPROUTY2 functions as an inhibitor of mouse embryonic lung growth and morphogenesis. *Mech. Dev.* 102: 81-94.

258. Billerey, C., Chopin, D., Aubriot-Lorton, M-H., Ricol, D., Gil Diez de Medina, S., Van Rhijn, B., Bralet, M-P., Lefrère-Belda, M-A., Lahaye, J-B., Abbou, C.C., Bonaventure, J., Zafrani, E.S., Van Der Kwast, T., Thiery, J.P. and Radvanyi, F. (2001) Frequent *FGFR3* mutations in papillary non-invasive bladder (pTa) tumors. *American J. Pathol.* 158: 1955-1959.

259. Faraldo, M.M., Deugnier, M.-A., Thiery, J.P. and Glukhova, M. (2001) Growth defects induced by perturbation of β 1-integrin function in the mammary gland epithelium result from a lack of MAPK activation via the Shc and Akt pathways. *EMBO reports* 2: 431-437.

260. Karoui, M., Hofmann-Radvanyi, H., Zimmermann, U., Couvelard, A., Degott, C., Faridoni-Laurens, L., Ahomadegbe, J-C., Gazzeri, S., Brambilla, E., Clerici, T., Charbonnier, P., Tresallet, C., Mitry E., Penna, C., Rougier, P., Boileau, C., Thiery, J.P., Nordlinger, B.,

Franc, B. and Radvanyi, F. (2001) No evidence of somatic *FGFR3* mutation in various types of carcinoma. *Oncogene* 20 : 5059-5061.

261. Bhushan A., Itoh N., Kato S., Thiery J.P., Czernichow P., Bellusci, S., Scharfmann, R. (2001) Fgf10 is essential for maintaining the proliferative capacity of epithelial progenitor cells during early pancreatic organogenesis. *Development* 128 : 5109-5117

262. Lefrère-Belda, M-A., Cappellen, D., Daher A, Gil-Diez de Medina, S., Besse, F., Abbou, C.C., Thiery, J.P., Zafrani, E.S., Chopin, D.K. and Radvanyi, F. (2001) *p15^{INK4b}* in bladder carcinomas: decreased expression in superficial tumours. *British J. Cancer* 85 : 1515-1521.

263. Acosta, J.M., Thébaud, B., Castillo, C., Mailleux, A., Teft, D., Wuenschell, C., Anderson, K.D., Bourdon, J., Thiery, J.P., Bellusci, S. and Warburton, D. (2001) Novel mechanisms in murine nitrofen-induced pulmonary hypoplasia: FGF-10 rescue in culture. *Am. J. Physiol. Lung Cell Mol. Physiol.* 281: L250-L257.

264. Morali, O.G., Delmas, V., Moore, R., Jeanney, C., Thiery J.P. and Larue, L. (2001) IGF-II induces rapid β -catenin relocation to the nucleus during epithelium to mesenchyme transition. *Oncogene* 20 : 4942-4950.

265. Giacomello, E., Morali, M., Vallin, J., Thiery, J.P., Broders, F. (2001) A hormone-dependent post-translationally regulated mutant for investigating type I cadherin function. *Int. J. Dev. Biol.* 45 : 833-838

266. Vallin, J., Thuret, R., Giacomello, E., Faraldo, M.M., Thiery, J.P. and Broders, F. (2001) Cloning and characterization of three *Xenopus* Slug promoters reveal direct regulation by Lef/ β -catenin signaling. *J. Biol. Chem.* 276: 30350-30358.

267. Thiery, J.P. (2001) Rôle des facteurs de croissance dans la plasticité des épithéliums au cours du développement et dans la carcinogénèse. *Bull. Acad. Natl. Méd.* 185 : 1279-1294.

268. Denoyelle M., Valles A. M., Lentz D., Thiery J. P., Boyer B. (2001) Mesoderm-independent regulation of gastrulation movements by the Src tyrosine kinase in *Xenopus* embryo. *Differentiation* 69 : 38-48

269. Warburton D., Tefft D., Mailleux A., Bellusci S., Thiery J. P., Zhao J., Buckley S., Shi W., Driscoll B. (2001) Do lung remodeling, repair, and regeneration recapitulate respiratory ontogeny. *Am. J. Respir. Crit. Care Med.* 164 : S59-S62

270. Radvanyi F., Thiery J.P., Billerey C., van der Kwast T.H., Zafrani E.S. and Chopin D. (2001). Le récepteur de

type 3 des FGF (FGFR3) : de la chondrodysplasie... au cancer de la vessie. *Médecine/sciences* 17: 1189-1191.

2002

271. Mailleux, A.A., Spencer-Dene, B., Dillon, C., Ndiaye, D., Savona, C., Itoh, N., Kato, S., Dickson, C., Thiery, J.P. and Bellusci, S. (2002) Role of FGF10/FGFR2b signaling during mammary gland development in the mouse embryo. *Development* 129 : 53-60.

272. Perret E., Benoliel A-M., Nassoy P., Pierres A., Delmas V., Thiery J. P., Bongrand P. et Feracci H. (2002). Fast dissociation kinetics of the recognition between individual E-cadherin fragments revealed by flow chamber analysis. *Embo J.* , 21 : 2537-2546

273. Thiery, J.P. (2002) Epithelial-mesenchymal transitions in tumor progression. *Nature Reviews Cancer*, 2 : 442-454.

274. Edme N., Downward J., Thiery J. P. and Boyer B. (2002) Ras induces NBT-II epithelial cell scattering through the coordinate activities of Rac and MAPK pathways. *J. Cell Science*, 115 : 2591-2601

275. Lesueur F., Mesnil M., Delouvé A., Girault J.M., Yamasaki H., Thiery J.P. and Jouanneau J. (2002) NBT-II carcinoma behaviour is not dependent on cell-cell communication through gap junctions. *Biochem. and Biophysic. Res. Com.* 294 :108-115

276. van Rhijn, B.W.G., van Tilborg, A.A.G., Lurkin, I., Bonaventure, J., de Vries, A., Thiery, J.P., van der Kwast, T.H., Zwarthoff, E.C. and Radvanyi, F. (2002) Novel fibroblast growth factor receptor 3 (FGFR3) mutations in bladder cancer previously identified in non-lethal skeletal disorders. *European Journal of Human Genetics*. 10 : 819-824

277. Faraldo M. M., Deugnier M-A., Tlouzeau S., Thiery J. P. and Glukhova M. (2002) Perturbation of $\beta 1$ -integrin function in involuting mammary gland results in premature dedifferentiation of secretory epithelial cells. *Mol. Biol. Cell*. 13 : 3521-3531

278. Deugnier M. A., Faraldo M., Janji B., Rousselle P., Thiery JP, Glukhova M. (2002) EGF controls the in vivo developmental potential of a mammary epithelial cell line possessing progenitor properties. *J. Cell Biol.* 159 : 453-463.

279. Deugnier M.A., Teulière J., Faraldo M., Thiery J.P. and Glukhova M. (2002). The importance of being a myoepithelial cell. *Breast Cancer Research*, 4: 224-230.

280. Billotet C., Janji B., Thiery JP., and Jouanneau J. (2002) Rapid tumor development and potent vascularization are independent events in carcinoma

producing FGF-1 or FGF-2. *Oncogene*. 2 : 8128-8139.

281. Giacomello E., Vallin J., Morali, O., Coulter I. S., Boulekbache H., Thiery, J.P., Broders, F. (2002) Type I cadherins are required for differentiation and coordinated rotation in *Xenopus laevis* somitogenesis. *Int. J. Dev. Biol.* 46: 785-792.

2003

282. Affolter M., Bellusci S., Itoh N., Shilo B., Thiery J.P., and Werb Z. (2003) Tube or not tube: remodeling epithelial tissues by branching morphogenesis. *Dev. Cell* 4 : 11-18

283. Veltmaat J. M., Mailleux A., Thiery J. P., Bellusci S. (2003) Mouse embryonic mammosgenesis as a model for the molecular regulation of pattern formation. *Differentiation* 71: 1-17

284. van Rhijn, B.W.G., Lurkin, I., Chopin D. K., Kirhels W. J., Thiery, J.P., van der Kwast, T.H., Radvanyi, F., and Zwarthoff, E.C. (2003) Combined microsatellite and FGFR3-mutation analysis enables a highly sensitive detection of urothelial cell carcinoma in voided urine. *Clinical Cancer Research* 9: 257-263.

285. Vincent-Salomon A. and Thiery J. P. (2003) Epithelial-mesenchymal transition in breast cancer development. *Breast Cancer Research*. 5 : 101-106.

286. Pietri T., Eder O., Blanche M., Thiery J.P. and Dufour S. (2003) The human tissue plasminogen activator-Cre mouse: a new tool for targeting specifically neural crest cells and their derivatives in vivo. *Dev. Biol.* 259 : 176-187.

287. Pietri T., Thiery J. P., Dufour S. (2003) Differential expression of $\beta 3$ integrin gene in chick and mouse cranial neural crest cells. *Dev. Dyn.* 227 : 309-313.

288. Thiery J. P. (2003) Cell adhesion in Cancer. *CR Acad. Sciences (Physique)*. 4 : 289-304.

289. Pierga J.Y., Bonneton C., Magdelenat H., Vincent-Salomon A., Nos C., Blin N., Pouillart P., Thiery J. P. (2003) Clinical significance of proliferative potential of occult metastatic cells in bone marrow of patients with breast cancer. *British Journal Cancer*. 89 : 539-545.

290. Thiery JP. (2003) Cell adhesion in development: a complex signaling network. *Curr. Op. Geneti. Dev.* 13 : 365-371

291. Daher A, De Boer W, El-Marjou A, Van der Kwast T, Abbou C C, Thiery J-P, Radvanyi F and Chopin D. (2003) Epidermal growth factor receptor (EGFR) regulates normal urothelial regeneration, *Lab. Invest.* 83: 1333-1341

292. Louvard D and Thiery J. P. (2003) La complexité des mécanismes de cancérogenèse. *Pour la Science*. 314: 110-115
293. Thiery JP (2003) Epithelial mesenchymal transition. *Curr. Op. Cell Biol*. 15: 740-746.
294. Bakkar A., Wallerand H., Radvanyi F., Lahaye J-B. Pissard S., Lecerf L., Kouyoumdjian J-C., Abbou C., Pairon J-C., Jaurand M-C., Thiery J. P., Chopin D., Gil Diez de Medina S. (2003) FGFR3 and TP53 gene mutations define two distinct pathways in urothelial cell carcinoma of the bladder. *Cancer Research*. 63: 8108-8112.
295. Taddei I., Faraldo M. M., Teulière J., Deugnier M.A., Thiery J.P. and Glukhova M. (2003) Integrins in mammary gland development and differentiation of mammary epithelium. *J. of Mammary Gland and Neoplasia* . 8: 383 – 395.
- 2004**
296. Burns C., Fairbanks T. Sala F., de Langhe S, Mailloux A., Thiery J.P., Dickson C., Itoh N., Warburton D., Anderson K.D. and Bellusci S. (2004) Requirement for fibroblast growth factor 10 and fibroblast growth factor receptor 2-IIIb signaling for cecal development in mouse. *Dev. Biol*. 265: 61-74
297. Ferlicot S., Vincent-Salomon A., Medioni J., Genin P., Rosty C., Sigal-Zafrani B., Fréneaux P, Jouve, Thiery J. P., Sastre-Garau X. (2004) Wide metastatic spreading in infiltrating lobular carcinoma of the breast. *Eur. J. Cancer*. 40: 336 – 341.
298. Pierga J.Y., Bonneton C., Vincent-Salomon A., de Crémoux P., Nos C., Blin N., Pouillart P., Thiery J.P., Magdelénat H. (2004) Clinical significance of immunocytochemical detection of tumor cells using digital microscopy in peripheral blood and bone marrow of breast cancer patients. *Clin. Canc. Res*. 10: 1392-1400.
299. Veltmaat J. M., Van Veelen W., Thiery J. P., Bellusci S. (2004) Identification of the mammary line in mouse by Wnt10b expression. *Dev. Dyn*. 229 : 349-356.
300. Karoui M., Tresallet C., Julie C., Zimmermann U., Staroz F., Brams A., Muti C., Boulard C., Robreau A.M., Puy H., Malafosse R., Penna C., Pruvot F. R., Thiery J.P., Boileau C., Rougier P., Nordlinger B., Radvanyi F., Franc B. and Hofman-Radvanyi H. (2004) Loss of heterozygosity on 10q and mutational status of PTEN and BMPRI1A in colorectal primary tumours and metastases. *Br. J. Cancer* . 90: 1230-1234.
301. Pierga J.Y., Deneux L., Bonneton C., Vincent-Salomon A., Nos C., Anract P., Magdelénat H., Pouillart P., Thiery J.P.. (2004). Prognostic value of cytokeratin 19 fragment (CYFRA 21-1) and cytokeratin positive cells in bone marrow samples of breast cancer patients. *Int. J. Biol. Markers*. 19:23-31
302. Almeida A. Thiery J. P., Magdelénat H. and Radvanyi F. (2004) Gene expression analysis by real-time RT-PCR : influence of tissue handling. *Analytical Biochemistry*. 328: 101-108.
303. Thomas-Mudge R. J., Okada-Ban M., Vandembrouck F., Vincent-Salomon A., Girault J.-M., Thiery J. P. and Jouanneau J. (2004) Nuclear FGF-2 facilitates cell survival in vitro and during establishment of metastases. *Oncogene* 23: 4771-4779
304. Daher A., Boer W.I., Le Frère-Belda M.A., Kheuang I., Abbou C.C., Radvanyi F., Jaurand M.C. Thiery J. P., Gil Diez de Medina S. Chopin D. K. (2004) Growth, differentiation and senescence of normal human urothelium in an organ-like culture. *Eur. Urol*. 45: 799-805.
305. Sastre-Garau X., Genin P., Rousseau A., Al Ghuzlan A., Nicolas A., Fréneaux P., Rosty C., Sigal-Zafrani B., Couturier J., Thiery J. P., Magdelénat H., Vincent-Salomon A. (2004) Increased cell size and Akt activation in Her-2 / *neu*-overexpressing invasive ductal carcinoma of the breast. *Histopathology* 45: 142-147.
306. Le Frère-Belda M. A., Gil Diez de Medina S., Daher A, Martin N., Albadou B., D. Heudes, Abbou C. C., Thiery J. P., Zafrani E. S., Radvanyi F., and Chopin D. (2004) Profiles of the two INK4a gene products, p16 and p14ARF in human reference urothelium and bladder carcinomas, according to pRb and p53 protein status. *Hum. Pathol*. 35: 817-824
307. Pietri T., Eder O., Breau M. A., Topilko P., Blanche M., Brakebush C., Fassler R., Thiery JP, Dufour S. (2004) Conditional β 1-integrin gene deletion in neural crest cells causes severe developmental alterations of the peripheral nervous system. *Development*. 131: 3871-3883.
308. Choemmel V, Anract P., Hoifodt H., Thiery J.P. and Blin N. (2004) A relevant immunomagnetic assay to detect and characterize epithelial cell adhesion molecule-positive cells in bone marrow from patients with breast carcinoma: immunomagnetic purification of micrometastases. *Cancer* 101: 693-703.
309. Thiery J.P. and Morgan M. (2004) Breast cancer progression with a Twist. *Nat Med*. 10 : 777-778.
310. Teulière J., Faraldo M. M., Shtutman M., Birchmeier W., Huelsken J., Thiery J.P., Glukhova M.A. (2004) β -catenin dependent and -independent effects of Δ N-plakoglobin on epidermal growth and differentiation *Mol. Cell. Biol*. 24: 8649-8661

311. Billottet C, Elkhatib N, Thiery J.P. and Jouanneau J. (2004) Targets of Fibroblast Growth Factor (FGF-1) and FGF-2 signaling involved in the invasive and tumorigenic behavior of carcinoma cells. *Mol. Biol. Cell.* 15: 4725-4734.
312. Thiery J.P. (An interview by Pr. Fred Bosman) The migration and differentiation of a chemist entangled in developmental and cancer biology. (2004) *Int. J. Dev. Biol.* 48: 529-535
313. Bernard-Pierrot I., Ricol D., Cassidy A., Graham A., Elvin P., Caillaud A. Lair S., Broet P., Thiery J.P., Radvanyi F. (2004) Inhibition of human bladder tumour cell growth by fibroblast growth factor receptor 2b is independent of its kinase activity. Involvement of the carboxy-terminal region of the receptor. *Oncogene* .23: 9201-9211.
314. Malavaud B., Pedron S., Sordello S., Mazerolles, C. Billottet C., Thiery J.P., Jouanneau J. and Plouet J. (2004) Direct FGF receptor-1 activation through an anti-idiotypic strategy mimicks the biological activity of FGF-2 and inhibits the progression of the bladder carcinoma derived from NBT-II cells. *Oncogene*. 23: 6769-6778.
315. Hupé P., Stransky N., Thiery J.P., Radvanyi F., Barillot E. (2004) Analysis of array CGH data : from signal ratio to gain and loss of DNA regions. *Bioinformatics*. 20: 3413-3422
316. Morgan M.J., Woltering J.M., In der Rieden P.M.J., Durston A.J. and Thiery J.P. (2004) YY1 regulates the neural crest associated slug gene in *Xenopus laevis*. *J. Biol Chem.* 279 : 46826-46834.
317. Choessel V., Pierga J.Y., Nos C., Vincent-Salomon A., Sigal-Zafrani B., Thiery J.P., Blin N. (2004) Enrichment methods to detect bone marrow micrometastasis in breast carcinoma patients : clinical relevance. *Breast Cancer Res.* 6: 556 -570.
318. Choessel V., Foucault F., Thiery J.P., Blin N. (2004) Design of a real-time quantitative PCR assay to assess global mRNA amplification of small size specimens for microarray hybridization. *J. Clinical Pathol.* 57: 1278-1287.
319. Chu Y-S., Thomas W., Eder O., Pincet F., Perez E., Thiery J.P. and Dufour S. (2004) Quantification of separation forces in E-cadherin mediated cell doublets reveals rapid adhesion strengthened by actin cytoskeleton remodeling through Rac and Cdc-42 but not Rho. *J. Cell Biol.* 167: 1183-1194.
320. Pierga J.Y., Bonneton C., Magdelénat H., Vincent-Salomon A., Nos C., Boudou E., Pouillart P., Thiery J.P., de Crémoux P. (2005). Real-time quantitative PCR determination of urokinase-type plasminogen activator receptor (uPAR) expression of isolated micrometastatic cells from bone marrow of breast cancer patients. *Int. J. Cancer.* 114: 291-298.
321. Martinez-Rico C, Pincet F, Perez E, Thiery JP, Shimizu K, Takai Y., Dufour S. (2005) Separation force measurements real different types of modulation of E-cadherin-based adhesion by nectin-1 and -3. *J. Biol. Chem.* 280: 4753-4760.
322. Wallerand H., Bakkar A., Gil Diez de Medina S., Pairon J.C, Vordos D., Kouyoumdjian J.C., Jaurand M.C., Koss L.G., Zhang Z.F., Radvanyi F., Thiery J.P. and Chopin D.K. (2005) Mutations in TP53 but not FGFR3, in urothelial cell carcinoma of the bladder are influenced by smoking : contribution of exogenous versus endogenous carcinogens *Carcinogenesis*. 26: 177-184.
323. Teulière J., Faraldo M.M., Deugnier M.-A., Shtutman M., Ben Ze'ev A., Thiery J.P., and Glukhova M.A. (2005) Targeted activation of β -catenin signaling in basal mammary epithelial cells affects mammary development and leads to hyperplasia. *Development* 132: 267-277.
324. Dunois-Lardé C., Levrel O., Brams A., Thiery J.P. and Radvanyi F. (2005) Absence of FGFR3 mutations in urinary bladder tumours of rats and mice treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. *Molecular Carcinogenesis*. 42: 142-149.
325. Reyat F., Stransky N., Bernard-Pierrot I., Vincent-Salomon A., de Rycke Y., Elvin P., Cassidy A., Graham A., Spraggon C., Fourquet A., Nos C., Pouillart P., Magdelenat H., Stoppa-Lyonnet D., Sigal-Zafrani B., Asselain B., Sastre-Garau X., Delattre O., Thiery J.P., Radvanyi F. (2005). Transcription correlation map of chromosomes 1q, 8, 16 and 17q in infiltrating ductal carcinoma of the breast. *Cancer Res.* 65: 1376-1383.
326. Chu Y. S., Dufour S., Thiery J. P., Perez E. and Pincet F. (2005) Johnson-Kendall-Roberts theory applied to living cells. *Phys. Rev. Lett.* 94: 028102.
327. Mailleux A., Kelly R., Veltmaat J. M., de Langhe S., Zaffran S., Thiery J.P. and Bellusci S. (2005). FGF10 expression identifies parabronchiolar smooth muscle cell progenitors and is required for their entry into the smooth muscle cell lineage. *Development*. 132: 2157-2166.
328. Logie A., Dunois-Larde C., Rosty C., Levrel O., Blanche M., Ribeiro A., Gasc J-M., Jorcano J., Werner S., Sastre-Garau X., Thiery J.P. and Radvanyi F. (2005) Activating mutations of the tyrosine kinase receptor FGFR3 are associated with benign skin tumors in mice

2005

320. Pierga J.Y., Bonneton C., Magdelénat H., Vincent-

and humans. *Human Mol Genetics* 14: 1153-1160.

329. Thiery J.P. and Huang R. (2005) Linking epithelial mesenchymal transition to the well known polarity protein Par6. *Dev Cell* 4: 456-458.

330. Dufour S., Chu Y-S., Thiery J. P. (2005) From Cadherins to the quantification of cell adhesion. *Med. Sci.* 21: 459-461

331. Rosty C., Aubriot MH., Cappellen D., Bourdin J., Cartier I., Thiery J.P., Sastre-Garau X., Radvanyi F. (2005). Clinical and biological characteristics of cervical neoplasias with FGFR3 mutation. *Mol. Cancer* 4: 15-24

332. Braun S., Vogl F., Naume B., Janni W., Osborne M. P., Coombes R. C., Schlimok G, Diel I. J., Gerber B., Gebauer G, Pierga J-Y., Marth C, Oruzio D., Wiedswang G, Solomayer, E-F., Kundt G., Strobl B., Fehm T., Wong G. Y. C., Bliss J., Vincent-Salomon A., and Pantel, K. for the Pooled Analysis Study

Pooled Analysis Study Group (additional contributors) : Wischnik A., Mueller P., Steinfeld D., Schulz C., Borgen E, Kåresen R, Nesland J M., Kvalheim G., Friese K., Krause A., Sommer H. L., Rack B., Jaeger W., Potter C., Mansi J. L., Homewood J., Magdalénat H., J-P. Thiery. (2005) International Pooled Analysis of Prognostic Significance of Bone Marrow Micrometastasis in Patients with Stage I, II, or III Breast Cancer. *New England J. Med.* 353: 793-802.

333. Rosty C., Sheffer M., Tsafrir D., Stransky N., Tsafrir I., Peter M., de la Rochefordière A., Salmon R., Dorval T., Thiery J.P., Couturier J., Radvanyi F., Domany E., Sastre-Garau X. (2005) Identification of a proliferation gene cluster associated with HPV E6/E7 expression level and viral DNA load in invasive cervical carcinoma. *Oncogene.* 24: 7094-7104.

334. Willbrand K., Radvanyi F., Nadal J.P., Thiery J.P. and Fink T. (2005) Identifying genes from up-down properties of microarray expression series. *Bioinformatics.* 21: 3859-3864.

335. Bernard-Pierrot I., Brams A., Dunois-Larde C., Caillaud A. Diez de Medina SG, Cappellen D., Graff G. Thiery JP, Chopin D., Ricol D. Radvanyi F. (2005) Oncogenic properties of the mutated forms of fibroblast growth factor receptor 3b. *Carcinogenesis on line*

336. Faraldo M. M., Teulière J., Deugnier, M.A., Taddei-De La Hossieray I., Thiery J.P., and Glukhova M. (2005), Myoepithelial cells in the control of mammary development and tumorigenesis: data from genetically modified mice. *J. of Mammary Gland an Neoplasia.* 10: 211-219.

2006

337. Thiery JP., Sleeman J., (2006) Complex networks

orchestrate epithelial-mesenchymal transitions. *Nature Rev. Mol. Cell Biol.* 7: 131-142

338. Chu YS, Eder O., Thomas WA, Simcha I, Pincet F. Ben Ze'ev A, Perez E., Thiery JP, Dufour S. (2006) Prototypical type I E-cadherin and type II cadherin 7 mediate very distinct adhesiveness through their extracellular domains. *J. Biol. Chem.* 3: 281-285

339. Deugnier M.A., Faraldo M.M., Teuliere J., Thiery J.P., Medina D., and Glukhova M.A. (2006) Isolation of mouse mammary epithelial progenitor cells with basal characteristics from the comma-D β cell line. *Develop. Biol.* 293: 414 – 425

340. Breau M., Eder O., Blanche M., Brakebush C., Fassler R., Thiery J.P. and Dufour S. (2006) Removal of b1 integrin in the enteric neural crest lead to a Hirschprung disease *Development* 133 : 1725 – 1734.

341. Nicolle G., Daher A., Maillé P., Vermey M., Loric S., Bakkar A., Wallerand H., Vordos D., Vacherot F., Gil Diez de Medina S., Abbou C. C., Van der Kwast T., Thiery J. P., Radvanyi F., and Chopin D. K. (2006) Gefitinib inhibits the growth and invasion of urothelial carcinoma cell lines in which Akt and MAPK activation is dependent on constitutive epidermal growth factor receptor activation. *Clin. Cancer Res.* 12 : 2937 – 2943.

342. Veltmaat J., Relaix F., Le L.T., Kratochwil K., Sala F.G., van Veelen W., Rice, R. Spencer-Dene, B. Mailloux A.A., Rice D.P., Thiery J.P and Bellusci S; (2006) Gli3-mediated somitic FGF10 expression gradients are required for the induction and patterning of mammary epithelium along the embryonic axis. *Development* 133: 2325-2335.

343. Thiery J.P., Sastre-Garau X., Vincent-Salomon A., Sigal-Zafrani .B., Pierga J.Y., Decraene C., Meyniel C., Gravier E., Asselain B., De Rycke Y., Hupe P., Barillot., Ajaz S., Faraldo M., Deugnier M.A., Glukhova M. and Medina D. (2006) Challenges in the stratification of breast tumors for tailored therapies. *Bull Cancer* 93: 81-89.

344. Wong C., Paratore C., Dours-Zimmermann M. T. Rochat A., Suter A., Zimmermann D.R., Pietri T., Dufour S., Thiery J.P., Meijer D., Beermann, F., Barrandon Y. and L. Sommer. (2006). Neural Crest-Derived Cells with stem cell properties can be traced back to multiple lineages in the adult skin. *J.Cell Biol.* 175: 1005-1015.

345. Stransky N., Vallot C., Reyat F., Bernard-Pierrot I., De Medina S.G., Segraves R., De Rycke Y., Elvin P., Cassidy A., Spraggon C., Southgate J., Asselain B., Allory Y., Abbou C.C., Albertson D.G., Thiery J.P., Chopin D.K., Pinkel D. and Radvanyi F. (2006) regional

copy number –independent deregulation of transcription in cancer. *Nature Genet* 38: 1386-1396.

2007

346. Ramprasad O.G., Srinivas G., Rao K.S., Joshi P., Thiery J.P. Dufour S., and Pande G. (2007) Changes in cholesterol levels in the plasma membrane modulate cell signaling and regulate cell adhesion and migration on fibronectin. *Cell Motil. Cytoskeleton.* 64: 199-216

347. Vincent-Salomon A., Pierga J.Y., Couturier J., d'Enghien C.D., Nos C., Sigal-Zafrani B., Lae M., Freneaux P., Dieras V., Thiery J.P. and Sastre-Garau X. (2007) HER2 status of bone marrow micrometastasis and their corresponding primary tumours in a pilot study of 27 cases; a possible tool for anti HER2 therapy management? *Br. J. Cancer* 96: 654-659.

348. Faraldo M.M., Teuliere J., Deugnier M.A., Birchmeier W., Huelsken J., Thiery J.P. Cano A., and Glukhova M.A. (2007) beta-catenin regulates P cadherin expression in mammary basal epithelial cells. *FEBS Lett.* 581: 831-836.

349. Broders-Bondon F., Cheneau A., Romero-Oliva F., Mayor R Mazabraud A. and Thiery JP. (2007) regulation of Xsnail2 expression by RhoGTPases. *Dev. Dyn.* 236: 2555-2566

350. Cuvelier D., They M., Chu Y.S., Dufour S., Thiery JP., Bornens M., Nassoy P. and Mahadevan L 2007 The universal dynamics of cell spreading. *Curr. Biol* 17: 694-699.

351. Berx G., Raspe E., Christofori G., Thiery JP., and Sleeman J. (2007). Pr-eEMTING metastasis? Recapitulation of morphogenic processes in cancer *Clin exp Metastasis* 24, 587-597.

2008

352. Bollet MA, Servant N., Neuvial P., Decraene C., Lebigot I., Meyniel JP., De Rycke Y., Savignoni A., Rigaiil G., Fourquet A., Sigal-Safrani B., Barillot E., Thiery JP (2008) High resolution mapping of DNA breakpoints to define true recurrences among ipsilateral breast cancers. *J. Natl. Cancer. Inst.* 100:48-58.

353. Ramprasad OG., Rangaraj N., Srinivas G., Thiery JP, Dufour S., and Pande G. (2008) Differential regulation of the lateral mobility of plasma membrane phospholipids by the extracellular matrix and cholesterol. *J. Cell Physiol.* 215: 550-561.

354. Billottet C, Tuefferd M, Rapinat A, Gentien D, Broet P and Jouanneau J. (2008) Modulation of several waves of gene expression during FGF-1 induced

epithelial mesenchymal interaction of carcinoma cells. *J.Cell Biochem.* 104: 826-839.

355. Bidard FC, Vincent-Salomon A, Sigal-Zafrani B, Dieras V, Matthiot C, Mignot, L, Thiery JP Sastre-Garau X, and Pierga JY. (2008). Prognosis of women with stage IV breast cancer depends on detection of circulating tumor cells rather than disseminated tumor cells. *Ann. Oncol* 19:496-500.

356. Acloque H., Thiery J.P., Nieto M.A. (2008). The physiology and pathology of the EMT. Meeting on the Epithelial-Mesenchymal Transition. *EMBO Rep* 9:322-6.

357. Vincent-Salomon A., Lucchesi C., Gruel N., Raynal V., Pierron G., Goudefroye R., Reyat F., Radvanyi F., Salmon R., Thiery J.P., Sastre-Garau X., Sigal-Zafrani B., Fourquet A., Delattre O.; for the breast cancer study group of the Institut Curie. (2008) Integrated Genomic and Transcriptomic Analysis of Ductal Carcinoma In Situ of the Breast. *Clin Cancer Res* 14: 1956-1965.

358. Taddei I, Deugnier MA, Faraldo MM, Petit V, Bouvard D, Medina D, Fässler R, Thiery JP and Glukhova MA.(2008) β 1 Integrin deletion from the basal compartment of the mammary epithelium affects stem cells. *Nat Cell Biol* 10: 716-722.

359. Breau MA, Pietri T, Stemmler MP, Thiery JP, Weston J.A. (2008) A non-neural epithelial domain of the cranial neural folds of vertebrate embryos gives rise to ectomesenchyme. *Proc. Natl. Acad. Sci., USA* 105: 7750-7755.

360. Bidart FC, Vincent-Salomon A Gomme S, Nos C, De Rycke Y, Thiery JP, Sigal-Safrani B, Mignot, L, Sastre-Garau, X Pierga JY. (2008) Disseminated tumor cells of breast cancer patients: a strong prognostic factor for distant and local relapse. *Clin Cancer Res.* 14: 3306-3311.

361. Chua KN, Ma J, and Thiery JP (2008) Targeted therapies in control of EMT in carcinoma and fibrosis. *Drug Discov. Today* 4 261-267.

362. Marty B, Maire V, Gravier E, Rigaiil G, Vincent-Salomon A, Kappler M, Lebigot I, Djelti F, Tourdès A, Gestraud P, Hupé P, Barillot E, Cruzalegui F, Tucker GC, Stern MH, Thiery JP, Hickman JA, Dubois T.(2008) Frequent PTEN genomic alterations and activated phosphatidylinositol 3-kinase pathway in basal-like breast cancer cells.. *Breast Cancer Res.*10 R101. Epub 2008 Dec 3.

2009

363. Fondrevelle ME, Kantelip B. Reiter RE , Chopin D, Thiery JP, Monnien F , Bittard H, Wallerand H.(2009) The expression of Twist has an impact on survival in

human bladder cancer and is influenced by the smoking status. *Urol. Oncol.* 27: 268-276.

364. Tabdanov E, Borghi N, Brochard-Wyart, F, Dufour, and Thiery JP (2009). Role of E-cadherin in cellular nanotube extrusion. *Biophys.J.* 6: 2457-2461.

365. Breau MA, Dahmani A, Broders-Bondon F, Thiery JP, Dufour S. (2009) beta1 integrins are required for the invasion of the caecum and proximal hindgut by enteric neural crest cells. *Development* 16: 2791-2801.

366. Clément-Ziza M, Gentien D, Lyonnet S, Thiery JP, Besmond C, Decraene C. (2009) Evaluation of methods for amplification of picogram amounts of total RNA for whole genome expression profiling. *BMC Genomics* 10, 246.

367. Trolet, J. Hupe P., Houn, I. Lebigot I, Decraene, C, Delattre, O, Sastre Garau, X Saule S, Thiery JP Plancher C, Asselain B Desjardin S Mariani P, Piperno-Newman S., Barillot E. and Couturier J, (2009) Genomic profiling and identification of high risk uveal melanoma by array CGH analysis of primary tumors and metastases. *Invest Ophthalmol Vis Sci.* 6: 2572-2580.

368. Tomaskovic-Crook E., Thompson EW, and Thiery JP. (2009). Epithelial to mesenchymal transition and breast cancer. *Breast Cancer Res.* 11: 213- 222

369. Thiery JP, Acloque H, Huang YJH and Nieto A. (2009) Epithelial-mesenchymal transitions in development and disease. *Cell* 139: 871-890.

370. Thiery JP. (2009). Metastasis: alone or together. *Current Biol.* 19: 1121-1123

2010

371. Wallerand H, Cai Y, Wainberg ZA, Garraway I, Lascombe I, Nicolle G, Thiery JP, Bittard H, Radvanyi F, Reiter RR. (2010). Phospho-Akt pathway activation and inhibition depends on N-cadherin or phospho-EGFR expression in invasive human bladder cancer cell lines *Urol. Oncol.* 28 180-188

372. Martinez-Rico C, Pincet F., Thiery JP. and Dufour S.(2010). Integrins stimulate E-cadherin-mediated intercellular adhesion by regulating Src kinase activation and actomyosin contractility. *J.Cell. Science* 123: 712-722.

373. Thiery JP, Chua KN Sim WJ Huang R (2010) Epithelial Mesenchymal Transition during development in fibrosis and in the progression of carcinoma. *Bull Cancer.* 97: 1285-1295.

2011

374. Racine J., Cheradame H, Chu YS Thiery JP Rodriguez I (2011) micropatterns of cell adhesive proteins with poly(ethyleneoxide)-block-Poly(4-vinylpyridine) diblock copolymer. *Biothech Bioeng* 108:983-987.

375. Chua, KN, Poon KL, Lim J, Sim WJ, Huang R and Thiery JP.(2011). Target Cell Movement in Tumor and Cardiovascular Diseases based on the Epithelial-Mesenchymal Transition Concept. *Adv Drug Delivery Rev* 63: 558-567.

376. Laurent C., Valet F., Planque N, Silvieri L.,Hupe P., Plancher R., Couturier J., Sastre X., Desjardin L.,Thiery JP, Asselain B Barillot E., Piperno-Newmann And S., Saule (2011) . High PTP4A3 Phosphatase expression correlates with metastatic risk in uveal melanoma patients. *Cancer Res.*71: 666-674.

377. Toh B., X. Wang, J. Keeble, W. J. Sim ,K. Khoo,M. Kato, A. Prevost-Blondel J.P. Thiery and J.P. Abastado.(2011) Mesenchymal transition and dissemination of cancer cells is driven by myeloid-derived suppressor cells infiltrating the primary tumor. *PloS Biology Epub*

378. Sleemann J. and JP Thiery (2011) Snapshot: The Epithelial-mesenchymal transition. *Cell* 145:162.

379. Thiery JP and J. Lim (2011) Alternative path to EMT: regulation of apico-basal polarity in *Drosophila* *Dev Cell* 21:983-984.

2012

380. Malek JA, Mery E, Mahmoud YA, Al-Azwani EK, Roger L, Huang R, Jouve E, Lis R, Thiery JP, Querleu D, Rafii A. (2012) Copy number variation analysis of matched ovarian primary tumors and peritoneal metastasis. *PLoS One.* 2011;6(12):e28561. Epub 2011 Dec 14.

381. Chua KN, Sim WJ, Racine V, Shi YI, Goh BC and JP Thiery (2012) A Cell-Based Small Molecule Screening Method for Identifying Inhibitors of Epithelial-Mesenchymal Transition in Carcinoma..*PLoS One Epub*

382. Malek JA, Martinez A, Mery E, Ferron G, Huang R, Raynaud C, Jouve E, Thiery JP, Querleu D, Rafii A. (2012) Gene expression analysis of matched ovarian primary tumors and peritoneal metastasis *J Trans Med Epub*

383. Lim J and JP Thiery (2012). Molecular programs of epithelial-mesenchymal transitions in development. *Development* 139 :3471-86

384. Huang R, Gilford P and JP Thiery (2012). Early events in cell adhesion and polarity during the epithelial-mesenchymal transition. *J.Cell Science Epub* 4417-4422
385. Thiery JP, Engl W, Viasnoff V and Dufour S (2012). Biochemical and biophysical origins of cadherin selectivity and adhesion strength. *Current Op. Cell Biol.* 24: 614-619
386. Maiuri P, Terriac E; Paul-Gilloteaux P, Vignaud T, McNally K, Onuffer J; Thorn K; Nguyen PA, Georgoulia N, Soong D, Jayo A, Beil N; Beneke J, Joleen Lim CH; Sim CPY, Chu YS, Jiménez-Dalmaroni A, Joanny JF; Thiery JP, Erfle H, Parsons M, Mitchison TJ, Lim W, Lennon-Duménil AM; Piel M, and M.Théry (2012) The first world race *Current Biol* 2217:R673-5
387. Voon DC, Wang H, Koo JKW, NguyenTAP, Hor YT, Chu YS, Ito K, Fukamachi H, Shing Chan SK, Thiery JP and Y Ito. (2012) Runx3 protects gastric epithelium against epithelial-mesenchymal transition induced cellular plasticity and tumorigenicity. *Stem Cells* 10: 2088-2099
388. Liu R We F and JP Thiery (2012) Remarkable Disparity in Mechanical Response among Extracellular Domains of Type I and II Cadherins *J Biomol Structure Dyn Epub*
389. Huang R, Chen GB, Matsumura N, Lai HC, Mori S, Wong MK, Konishi I,Thiery JP*, Goh LK. (2012) Histotype specific copy number alteration in ovarian cancer. *BMC Med Genomics Epub* *CoPI
- 2013**
- 390 Aref A.R, R Huang,Y, Yu W , K-N. Chua, W.J. Sim, W.Sun, T-Y., Tu, Bai Jing, Zervantonakis, I K, Thiery JP*. and R. D. Kamm.(2013) Screening therapeutic epithelial-mesenchymal transition blocking agents in a three-dimensional microenvironment. *Integrative Biol* 5:381-389. *coPI
391. Thomas WA, Boshier C Chu YS, Cuvelier D, Martinez Rico C, Seddiki R, Heysch J, Ladoux B, Thiery JP*, Mege RM and S Dufour (2013). A-catenin and vinculina cooperate to promote high E-cadherin – based adhesion strength. *J Biol Chem* 288: 4957-4969
392. Lee R Thiery JP and T Carney (2013). Dermal fin rays derive from mesoderm, not neural crest. *Current Biol Epub*
393. Laiyi L, Chu YS Thiery JP Lim CT and I Rodriguez (2013) Microfluidic cell trap array for controlled positioning of single cells on adhesive micropatterns. *Lab Chip* 13: 714-721
394. Bidard, FC, Pierga, JY, Soria, JC and Thiery, JP (2013) A clinical perspective on the metastatic process. *Nat Rev Clin Onc.* 10: 169-179
395. Akalay I, Janji B, Hasmim M Noman MZ Andre, F De Cremoux, P Bertheau, P Vielh, P Larsen A K. Sabbah, M,Tan T Z , Herr K, Tsang Y H N, Thiery JP, Mami-Chouaib F and S Chouaib (2013) The epithelial -to-mesenchymal transition (EMT) impairs breast carcinoma cell susceptibility to CTL-mediated lysis through autophagy induction. *Cancer Research* 73: 2418-27
396. Thiery JP and CT Lim (2013) Circulating tumor cells; an EMT affair. *Cancer Cell* 23: 272-273.
397. Zhou W and JP Thiery (2013). Loss of *Git2* induces epithelial-mesenchymal transition by *miR146a-Cnot6L* controlled expression of *Zeb1*.*J.Cell Sci.*126: 2740-2746
398. Tan T.Z., Miow Q.H., Huang R.Y.H., Wong M.K.,Ye J., Lau J.A., Wu M.C., Bin Abdul Hadi L.H., Soong R., Choolani M , Davidson B., Nesland J., Wang L.Z., Matsumura N., Mandai M., Konishi I., Goh B.C.,Chang J.T., Thiery J.P*, S. Mori (2013) Functional genomics identifies five distinct molecular subtypes with clinical relevance and pathways for growth control in epithelial ovarian cancer. *EMBO Mol Med* 7: 983-998. *coPI
- 399 Dufour S, Mege RM and JP Thiery (2013) α -catenin, vinculin and F-actin in strengthening E-cadherin cell-cell adhesions and mechanosensing. *Cell adhesion and migration* 7:345-350
400. Akalay I, Janji B, Hasmim M Noman MZ, Thiery JP, Mami-Chouaib F and S Chouaib (2013). EMT impairs breast carcinoma cell susceptibility to CTL-mediated lysis through autophagy induction, *Autophagy* 7:1104-1106
401. Lee R, Knapik E, Thiery,JP and TJ Carney (2013) An exclusively mesodermal origin of fin mesenchyme demonstrates zebrafish trunk neural crest does not generate ectomesenchyme. *Development* 140: 2923-2932
402. Lee R, Nagai H, Nakaya H, Sheng G, Trainor P, Weston PA and JP Thiery (2013) Spatio-temporal dynamics of cell delamination in the mesencephalic neural fold. *Development* 140: 4890-902
403. Huang, R Meng Kang Wong, MK Tan TZ , Kuay KT , Ng A, Vin-Yee Chung, VY, Chu YS, Masumura, N; Lai HC, Lee, HF Wen-Jing Sim, WJ Chen Tsai, Pietschmann, E Seiichi Mori, S, Low,J, Choolani M and JP Thiery (2013) An EMT Spectrum defines an anoikis resistant and spheroidogenic Intermediate Mesenchymal state that is sensitive to E-cadherin restoration by a Src-kinase inhibitor, Saracatinib (AZD0530). *Cell Death Diff Epub*

404. Al-Mulla F Marafie M Tan TZ and JP Thiery (2013) Raf Kinase Inhibitory Protein Role in the Molecular Subtyping of Breast Cancer. *J Cell Biochem Epub*
405. Al-Mulla F, Bitar M ,Thiery JP, Zea TT, Chatterjee D, Bennett L, Park S, Edwards J, KC Yeung (2013) Clinical implications for loss or diminution of expression of Raf-1 kinase inhibitory protein and its phosphorylated form in ductal breast cancer. *Am J Cancer Res* 3:446-464
- 2014**
406. Tang Z, Ow GS, Thiery JP , Ivshina AV and,VA Kuznetsov (2014).Cancer Meta-analysis of transcriptome reveals let-7b as an unfavorable prognostic biomarker and predicts molecular and clinical sub-classes in high-grade serous ovarian carcinoma. *Int J. Cancer* 134:306-318
407. Kumar AP, Loo SR, Shin SW, Tan TZ, Eng CB, Singh R, Putti TC, Ong CW, Salto-Tellez M, Goh BC Park JI, Thiery JP, Pervaiz S and Clement M (2014) Targeting MnSOD in Basal Breast Carcinoma using Agonists of PPAR γ : a new strategy for enhancing chemosensitivity. *Antioxidant Redox Signaling* 20:2326-2346
408. Datta A, Loo SY, Huang B, Wong L, Sheryl S.L. Tan SSL Tan TZ, Lee SC, Thiery JP, Lim YC, Yong WP, Lam Y, Prem Kumar A, and CT. Yap (2014) SPHK1 regulates proliferation and survival responses in triple-negative breast cancer. *Oncotarget Epub*
409. Tu, TY Bai J, Wang Z, Sun W , Peng W K , Huang RY-J, JP Thiery, R D. Kamm (2014). Drug Screening: Rapid prototyping of concave microwells for the formation of 3D multicellular cancer aggregates for drug screening. *Adv Healthc Mater. Epub*
410. Engl, W., Arasi, B., Thiery JP* and V. Viasnoff* (2014) Actin dynamics modulate mechanosensitive immobilization of E-cadherin at adherens junctions. *Nature Cell Biol Epub.*coPI. News and Views Nature Cell Biol. Faculty of 1000*
411. Akalay I, Tan TZ, Kumar P, Janji B, Mami Chouaib F, Charpy C, Vielh P, Larsen AK, Thiery, JP, Sabbah, M S Chouaib (2014) Targeting of WNT1 inducible signaling pathway protein 2 (WISP2) alters human breast cancer cell susceptibility to specific lysis through regulation of KLF4 and miR-7 expression. *Oncogene Epub*
412. Chouaib S, Janji B, Tittarelli A, EggermontA and JP Thiery (2014). Tumor plasticity interferes with anti-tumor immunity. *Crit Rev Immunol* 34:91-102.
413. Miow, QH, Tan TZ, Ye J, Lau JA Yokomizo T, Thiery JP and S Mori (2014) Epithelial-Mesenchymal Status Renders Differential Responses to Cisplatin in Ovarian Cancer. *Oncogene Epub*
414. Huang YH, Yuen HF, Al-aidarous AQ, Zhang², Cian M. McCrudden, SD, Tergaonkar V, Murray JT, Shen HM, Thiery JP and Q Zeng (2014) A Role of Autophagy in PRL-3 Driven Cancer Progression. *Autophagy Epub*
415. Hay HS, Shin EM, Lee MH, Jen Nee Goh, Tan TZ, Sen YP, Lim SW, Yousef EM, Ong HT, Thike AA Kong, X Wu Z, Mendoz E, Sun W, Salto-Tellez M, Lim, CT Lobie PE, Yoon Pin Lim, Yap CT, Sethi G Martin B. Tan, T Goh BC, Miller LD, Thiery JP Zhu T, Gaboury L Tan PH, Hui KM, Yip GWC, MiyamotoS, Tergaonkar V and A Prem Kumar (2014) DEAD-box Helicase DP103, an Essential Regulator of NEMO SUMOylation and NF κ B Activation, Defines the Metastatic Potential of Human Breast Cancers. *J. Clin. Invest. Epub*
416. Tan TZ, Miow QH Miki Y, Matsuura M, Noda T, Mori S Huang RYJ JP Thiery (2014) Epithelial-Mesenchymal Transition spectrum quantification and its efficacy in deciphering survival and drug responses of cancer patients. *EMBO Mol Med Epub*
417. Wu L, Wang Y, Liu Y, YU, S, Xie H, Shi X, Qin S, Ma F, Tan TZ, Thiery JP, L Chen (2014). A central role for TRPS1 in the control of cell cycle and cancer development *Oncotarget Epub*
418. Herr KJ, Tsang HYN, Ong WE, J, Yap LL, Bogorad R, Yu W, Chan YG, Bay BH, Singaraja R, Kotelianski V, JP Thiery (2014) The loss of α -catenin elicits a cholestatic response and impairs liver regeneration. *Scientific Reports Epub*
- 2015**
419. Davidson B; Holth A., Hellesylt E, Tan TZ;, Huang RHY, Tropé C, Nesland JM and JP Thiery (2015) The clinical role of epithelial-mesenchymal transition and stem cell markers in advanced-stage ovarian serous carcinoma effusions. *Human Pathol Epub*
420. Yu S, Cai X, Wu L, Wang Y, Liu Y, Yu Z, Qin S, Ma S, Thiery JP, L Chen (2015)

- Adhesion glycoprotein CD44 functions as an upstream regulator of a network connecting ERK, AKT and Hippo-YAP pathways in cancer progression. *Oncotarget Epub*
421. Khoo B L, Kumar P, Lim CT and JP Thiery (2015) Genesis of Circulating Tumor Cells through Epithelial-Mesenchymal Transition as a Mechanism for Distant Dissemination. in "Circulating tumor cells" Cote R Datar R eds Springer in press
- 422 Engl.W, V Viasnoff and JP Thiery (2015) Resistance of Carcinoma Cells to CTL-mediated Immunotherapy. Bonavida B and S Chouaib editors Springer in press
423. Weston JA and JP Thiery (2015) Pentimento: Neural Crest and the Origin of Mesectoderm. *Dev Biol Epub*
424. Schliekelman MJ, Taguchi A, Zhu J, Dai X, Zhang Q, Chin A, Wong CH, Wang H, McFerrin H, Selamat SA, Yang C, Kroh M, Garg KS, Gazdar AD, Laird-Offringa IA, Tewari M, Thiery JP, SM Hanash (2015) Molecular portraits of epithelial, mesenchymal and hybrid states in lung adenocarcinoma and their relevance to survival. *Cancer Research Epub*
425. Kumar P, Nandi S, Tan TZ, Ler SG, Chia KS, Lim WY, Bütow, Z, Vordos D, De laTaille A, Raida M, Beyer B, Ricci E, Colombel M, Chong TW, Chiong E, Soo R, Park MK, Ha HK, Gunaratne J and JP Thiery. (2015). Highly sensitive and specific novel biomarkers for the diagnosis of transitional bladder carcinoma. *Oncotarget Epub*
426. Khoo BL, Lee SC, Kumar P, Warkiani EM, Ow S, Santanyi, N, Lim CT Thiery JP (2015) Neoadjuvant therapy response in breast cancer patients using a novel culture method for circulating tumor cells. *Oncotarget Epub*
- 427 Huang RY-J Kuay KT, Tan TZ, Mohammad A, Tang HM, Aloysius Hsien Chun Ng HC A, Ye J, Chung VY, JP Thiery² Functional Relevance of a Six Mesenchymal Gene Signature in Epithelial-Mesenchymal Transition (EMT) Reversal by the Triple Angiokinase Inhibitor, Nintedanib (BIBF1120) *Oncotarget under revision*
427. Zhang YZ, Subbaiah VK, Abdullah NLB, Toh TB, Chow KH, Tan TZ, Thiery JP and S Jha (2015) TIP60 inhibits epithelial-mesenchymal transition by regulating Snail2 function. *Submitted*
428. Jing Bai, Adriani, G Dang, TM Tu TY, Wong, SC Kamm RD and JP Thiery (2015). Contact-dependent carcinoma aggregate dispersion by M2a macrophage via ICAM-1 and β 2 integrin interactions. *Submitted*
429. Li, Q Pluchon, PJ. Robens, J Herr, K, Mercade, M, Thiery, JP, Yu, H and V. Viasnoff (2015). Intercellular tension directs the *de novo* extension of apical lumens. *Nature Cell Biol Under revision*
430. Bai J Tu TY Kim, C Tan TZ Thiery JP and R D. Kamm (2015) Identification of drugs as single agent or in combinations to prevent carcinoma dissemination in a microfluidic 3D environment *Submitted*
431. Ayadi M, Ouadrani-Belkhiria KM, Ouaret D Ferrand N. Chouaib, S Thiery, JP Muchardt C Sabbah M, A K, Larsen (2015) Chronic chemotherapeutic stress promotes evolution of stemness and WNT/beta-catenin signaling in colorectal cancer cells: implications for clinical use of WNT signaling inhibitors. *Submitted*
- 432 Chua, KN Li RK*, Sim WJ, Ng HC, Thiery JP, B Ch Goh (2015) Combinatorial treatment using targeted SRC and MEK inhibitors synergistically abrogates tumor cell growth and induces Mesenchymal-Epithelial Transition in non-small-cell lung carcinoma. *Submitted*
433. Chu YS, Nassoy P, Boguslavsky S, Bershadsky A, Thiery JP* and Dufour S (2015) p120 catenin regulates cadherin-based adhesion strength independently to its role on the control of E-cadherin density at the cell surface. *To be submitted coPI*
433. Wu F, Lu C, Lim CT, Shen S, Zhong S, Thiery JP And R Liu (2015) Dynamics of E-cadherin Extracellular Domains: Partial Unfolding and Intermediate States *to be submitted*

CONFERENCES, SEMINARS AND TEACHING

1972

Co-organizer, EMBO Course on the eukaryotic genome, Paris, France

1974

Co-organizer, EMBO Course on the eukaryotic genome, Paris & Port-Cros, France

1976

Conference ICN-UCLA Neurobiology, Squaw Valley, California, USA (Invited by Pr. Glaser)

1977

Seminar, Research Institute in Molecular Biology, Paris, France (Invited by Dr. Bernardi)

Seminar, University Laval, Québec (Invited by Pr. Tanguay)

Seminar, Institut Pasteur, Paris, France (Invited by Pr. Changeux)

Seminar, Institut d'Embryologie, Nogent/Marne, France (Invited by Pr. Le Douarin)

1978

Conference on Neurobiology, Seillac, France (Invited by Pr. Changeux)

Seminar, Institut de Biologie Moléculaire de l'Université de Nice, France (Invited by Dr. Lazdunski)

Seminar, Institut de Biologie Moléculaire et Institut d'Immunologie Cellulaire, Marseille, France (Invited by Drs. Rosset & Kourilsky)

Seminar, Institut Curie, Paris, France (Invited by Dr. Yot)

Seminar, Biozentrum, Basel, Switzerland (Invited by Pr. Thoenen)

Seminar, Max-Planck Institute for Virusforschung, Tübingen, Germany (Invited by Dr. Schwartz)

Seminar, Faculty of Medicine Saint-Pères, Paris, France (Invited by Pr. Bourillon)

Seminar, Collège de France, Paris, France (Invited by Pr. Jacob)

Seminar, INSERM, Kremlin-Bicêtre, France (Invited by Pr. Beaulieu)

Seminar, Institut de Toxicologie, Toulouse, France (Invited by Dr. Weber)

1979

Seminar, Institut de Chimie Biologique, Raspail, Paris, France (Invited by Pr. Cohen)

Seminar, The Rockefeller University New York, USA (Invited by Pr. Edelman)

Conference, Biologie de la Reproduction et du Développement, Port-Bail, France

Co-organizer, Conference EMBO-INSERM, Stem cell, cell lineage & cell determination, Seillac, France

Gordon Conference, Cell Contact & Cell Movement, Andover, New Hampshire, USA (Invited by Pr. Trinkaus)

Course, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Royer)

1980

Conference, Developmental Neurosciences, Strasbourg, France (Invited by Pr. Vincendon)

Seminar, INSERM U153, Paris, France (Invited by Dr. Fardeau)

Seminar, Centre de Génétique Moléculaire, Gif-sur-Yvette, France (Invited by Dr. Beisson)

Seminar, INSERM U118, Paris, France (Invited by Dr. Courtois)

Seminar, The Rockefeller University, New York, USA (Invited by Pr. Edelman)

Seminar, University of Pennsylvania, Philadelphia, USA (Invited by Pr. Zigmond)

Seminar, National Cancer Institute, Bethesda, Maryland, USA (Invited by Dr. Yamada)

Seminar, INSERM U25, Paris, France (Invited by Pr. Bach)

Seminar, Max-Planck Institute für Psychiatrie, Munich, Germany (Invited by Pr. Thoenen)

Seminar, Fondation Mérieux, Lyon, France (Invited by Pr. Royer)

Seminar, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Frezal)

1981

Symposium "Molecular and Cellular Biology" ICN-UCLA, Keystone, Colorado, USA (Invited by Pr. Gottlieb)

Conference EMBO on the role of Cell Surface in Embryogenesis, Amersfoort, The Netherlands (Invited by Dr. De Laat)

Gordon Conference, Cell Contact & Cell Movement, Andover, New Hampshire, USA (Invited by Dr. Yamada)

Conference EMBO, Cell Migration and Metastasis, Arola, Switzerland (Invited by Pr. Illmensee)

XIII International Conference Pediatric Oncology, Marseilles, France (Invited by Pr. Raybaud)

Conference INSERM on Basement Membranes & Cell Proliferation, Seillac, France (Invited by Dr. Courtois)

Congress International Society of Developmental Biology, Basel, Switzerland

Seminar, Hôpital Pitié Salpêtrière, Paris, France (Invited by Dr. Baumann)

Seminar, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Royer)

Course, "Mécanisme d'expression génétique chez les eucaryotes", University of Paris 7, France (Invited by Pr. Chapeville)

Course, Maîtrise Biologie Cellulaire, Université Paris 7, France (Invited by Dr. Clairambault)

Seminar, Ecole Polytechnique, Paris, France (Invited by Dr. Blanquet)

Seminar, University Medical School, New York, USA (Invited by Pr. Rifkin)

Seminar, Ecole Normale Supérieure, Paris, France (Invited by Dr. Massoulié)

Seminar, Laboratoire de Biologie Moléculaire, Montpellier, France (Invited by Pr. Jeanteur)

Seminar, University of Heidelberg, Germany (Invited by Pr. Schachner)

Seminar, Collège de France, Paris, France (Invited by Pr. Jost)

Seminar, University of Farmington, Connecticut, USA (Invited by Pr. Maxwell)

Seminar, University of Antwerpen, Belgium (Invited by Pr. Vakaet)

Seminar, Institut de Recherche sur le Cancer, Villejuif, France (Invited by Prs. Paoletti & Le Pecq)

Seminar, Laboratoire de Biologie Moléculaire et Cellulaire, Marseilles-Luminy, France (Invited by Pr. Rosset)

1982

Conference in Memoriam Michael Abercrombie, London, Great Britain (Invited by Pr. Bellairs)

International Conference on Embryology, Strasbourg, France (Invited by Pr. Ruch)

Gordon Conference on Fibronectin, Tilton, New Hampshire, USA (Invited by Dr. Yamada)

European Conference on Cell Biology, Paris, France (Invited by Dr. de Vitry)

International Congress on Transfer of Mammalian Embryos, Annecy, Switzerland (Invited by Dr. Mérieux)

Conference INSERM on Hormones & Cell Regulation,

St Odile, France (Invited by Dr. Hamprecht)

Seminar, INSERM U91 Paris, France (Invited by Pr. Rosa)

Seminar, University of Paris Sud, Laboratoire de Physique des Solides, Orsay, France (Invited by Pr. Dubois-Violette)

Seminar, University of Eugene, Oregon, USA (Invited by Pr. Weston)

Seminar, Laboratory of Experimental Cytology, Ivry, France (Invited by Pr. Favard)

Seminar, The Weizmann Institute, Rehovot, Israël (Invited by Pr. Schlessinger)

Course, Maîtrise Biologie Cellulaire, Université Paris 7, France (Invited by Dr. Clairambault)

Seminar, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Frezal)

Course, "Mécanisme d'expression génétique chez les eucaryotes", University Paris 7, France (Invited by Pr. Chapeville)

Course on immunohistochemistry, Institut Pasteur, Paris, France (Invited by Dr. Dupouey)

1983

Round Table Roussel Uclaf on chemotactism, Paris, France (Invited by Pr. Mathieu)

Course, INSERM U118, Paris, France (Invited by Dr. Courtois)

Conference EMBO-NATO-CNRS, Cargèse, France (Invited by Dr. Kato)

Conference EMBO, Noordwijkerhout, The Netherlands (Invited by Dr. Felkamp)

Gordon Conference Cell Contact & Cell Movement, Andover, New Hampshire, USA (Invited by Pr. Revel)

Seminar, Developmental Neurosciences FASEB, Saxton River, Vermont, USA (Invited by Pr. Patterson)

Workshop, Foundation for the study of the central and peripheral nervous system, Boston, Maryland, USA (Invited by Pr. Bloom)

Conference, British Societies for Cell Biology and Developmental Biology, Aberyswyth, Great Britain (Invited by s. Kemp and Hindchcliffe)

Conference, French Society of Cellular Biology, Paris,

France (Invited by Dr. Courtois)

Conference, Centre International de Recherches Dermatologiques, Sophia Antipolis, France (Invited by Dr. Prunieras)

Organizer, "Fate Maps and Early Neurogenesis in the Vertebrates Meeting", The Neurosciences Institute, New York, USA

Seminar, Ludwig Institute Brussels, Belgium (Invited by Pr. Boon)

Seminar, Brain Research Institute, Zurich, Switzerland (Invited by Pr. Precht)

Seminar, National Cancer Institute, Bethesda, Maryland, USA (Invited by Dr. Yamada)

Seminar, Dana Farber Cancer Institute, Boston, Maryland USA (Invited by Dr. Chen)

Course, Maîtrise Biologie Cellulaire, Université Paris 7, France (Invited by Pr. Clairambault)

Seminar, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Frezal)

Course in Immunohistochemistry, Institut Pasteur, Paris, France (Invited by Dr. Dupouey)

Course in Embryology, University Paris 6, France (Invited by Pr. Houillon)

1984

Symposium UCLA on "Molecular Neurobiology", Keystone, Colorado, USA (Invited by Pr. O'Laugh)

Organizer of a meeting "The Cell in Contact: Adhesions and Junctions as Morphogenetic Determinants", The Neurosciences Institute, New York, USA

Course, The Rockefeller University, New York, USA (Invited by Prs Edelman and Cunningham)

Seminar Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Nezelof)

Seminar Hôpital Henri Beclere, Clamart, France (Invited by Pr. Papiernik)

Seminar, "Rencontre de Méribel sur la différenciation cellulaire", Les Arcs, France (Invited by Pr. Fellous)

Seminar, Institute of Research in Molecular Biology, Paris, France (Invited by Dr. Lepesant)

Seminar, Hôpital Broussais, Paris (Invited by Pr. Druet)

- Seminar, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Rappaport)
- Seminar, Collège de France, Paris, France (Invited by Dr. Tixier Vidal)
- Seminar, Centre de Recherche de Biochimie Macromoléculaire, Montpellier, France (Invited by Pr. Demaille)
- Course on Molecular Biology, Institut Pasteur, Strasbourg, France
- Course in Immunology, Institut Pasteur, Paris, France (Invited by Pr. Strosberg)
- Conference, Max-Planck-Institute, Tübingen, Germany (Invited by Pr. Birchmeier)
- Course NATO, Les Houches, France (Invited by Pr. Fougereau)
- Speaker & Chairman, Symposium International Congress Cell Biology, Tokyo, Japan
- Speaker & Chairman, Symposium European Congress Cell Biology, Southampton, Great Britain
- NATO Course, Banyuls, France (Invited by Dr. Marthy)
- Conference INSERM, Strasbourg, France (Invited by Dr. Dreyfus)
- Conference on Cell differentiation, Shanghai, Popular Republic of China
- Annual Conference of the Society of Neurosciences, Anaheim, California, USA (Invited by Pr. Rakic)
- Seminar, University of Minneapolis, Minnesota, USA (Invited by Pr. Mc Loon)
- Conference, Annual Meeting of the American Cell Biology Society (Invited by Pr. Bernfield)
- Course in Developmental Biology, University Paris 6, France
- Conference, Ecole Polytechnique, Palaiseau, France
- Course, Ecole Normale Supérieure, St-Cloud, France
- Seminar, Friedrich Miescher Institute, Basel, Switzerland (Invited by Dr. Matus)
- 1985**
- Seminar, Institut Pasteur, Paris, France (Invited by Dr. Rougeon)
- Course, Collège de France, Paris, France (Invited by Pr. Glowinski)
- Course, Collège de France, Paris, France (Invited by Pr. Gros)
- Seminar, "Journées d'études de Clinique Chirurgicale", Paris, France (Invited by Pr. Pellerin)
- Course in Pediatric, Hopital Necker - Enfants Malades, Paris, France (Invited by Pr. Royer)
- Speaker & Chairman, Conference UCLA on "Molecular Determinants of Animal Form", Park City, Utah, USA
- Conference, 8th Seminar on Immunology and Pediatric Hematology, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Griscelli)
- Conference, Société Biologique du Développement, Marseille-Luminy, France (Invited by Pr. Thouveny)
- International Conference on Neurobiology, Florence, Italy (Invited by Pr. Kandel)
- Gordon Conference Cell Contact & Cell Movement, Tilton, New Hampshire, USA (Invited by Pr. Steinberg)
- Gordon Conference Developmental Biology, Andover, New Hampshire, USA (Invited by Pr. Hynes)
- Speaker & Chairman, International Congress ISDB, Los Angeles, California, USA (Invited by Pr. Slavkin)
- First International Symposium of Cellular Endocrinology, Lake Placid, New York, USA (Invited by Dr. Sato)
- European Congress of Biochemistry, Basel, Switzerland (Invited by Pr. Ebel)
- Speaker & Co-organizer, International Conference ISOBM, Paris, France
- Conference INSERM Nerve-Muscle, Seillac, France (Invited by Pr. Changeux)
- Conference INSERM Immunology, Seillac, France (Invited by Drs. Papiernik & Dardenne)
- Course in Neurosciences, Paris, France (Invited by Dr. Sotelo)
- Course in Physiology of Development, University Paris 7, France
- Seminar, Faculty of Sciences, Nice, France (Invited by Pr. Cuzin)
- Seminar, Institut Pasteur, Paris, France (Invited by Dr.

Schwartz)

1986

Meeting, Biologie Moléculaire du Gène, Pompadour, France (Invited by Pr. Zalta)

Conference 3ème cycle Romand en Sciences Biologique, Lausanne, Switzerland (Invited by Pr. Kraehenbuhl)

Course on Cellular and Molecular Biology, Paris, France (Invited by Pr. Cohen)

Speaker & Chairman, International Conference on Biological & Therapeutic Aspects of Metastasis, Vitoria, Spain (Invited by Pr. Barbera-Guillem)

Meeting, "Journée d'étude sur glycoprotéines de surface et reconnaissance cellulaire", Paris, France (Invited by Dr. Aubery)

Chairman, Conference on Neurobiology, Bordeaux, France (Invited by Pr. Kordon)

Speaker & Chairman, EMBO Conference on Fibronectin & Other Adhesive Proteins, Gene, Italy (Invited by Dr. Barlati)

Seminar, Unit INSERM Rennes, France (Invited by Dr. Guillouzo)

Conference, University of Heidelberg, Germany (Invited by Dr. Schaller)

Seminar, Institut de Recherche sur le Cancer, Villejuif, France (Invited by Dr. Salomon)

Round Table Roussel Uclaf, Symposium on Growth Factors, Paris, France (Invited by Pr. Rochefort)

Speaker & Chairman, European Congress of Cell Biology, Budapest, Hungary (Invited by Dr. Modis)

Seminar, Department of Cell Biology, University Medical School, New York, USA (Invited by Pr. Sabatini)

Seminar, Biotechnology Research Center Meloy Rockville, Maryland, USA (Invited by Pr. Schlessinger)

Conference, Portugese Society of Electron Microscopy, Porto, Portugal (Invited by Pr. Magalhaes)

Conference, University of Zurich-ETH, Switzerland (Invited by Pr. Perriard)

Conference on Neuromuscular Diseases, biological, clinical and therapeutic aspects, Tours, France (Invited by Pr. Fardeau)

Conference on Neurobiology, Titisee, Germany (Invited by Dr. Monard)

Organizer of a Mini Conference INSERM, La Rochelle, France

1987

Seminar, Department of Histology, University of Torino, Italy (Invited by Pr. Comoglio)

Speaker and Chairman, Gordon Conference on Fibronectin and other adhesive proteins, Santa Barbara, California, USA (Invited by Pr. Hynes)

Seminar, University of Creteil, France (Invited by Pr. Barritault)

Conference, Prix Otto-Mangold, Berlin, Germany

Seminar, INSERM U217, Grenoble, France (Invited by Dr. Marguerie)

Speaker and Chairman, Meeting "The Cell in Contact", Neurosciences Institute, New York, USA

Speaker, International Congress Cancer Metastasis, San Remo, Italy (Invited by Dr. Zardi)

Speaker, Third International Congress on Progress in Cancer Research, Bologne, Italy (Invited by Dr. Prodi)

Speaker, EMBO Workshop on Cell Polarity, Bandol, France (Invited by Dr. Louvard)

Speaker, Minisymposium of American Society for Cell Biology, St-Louis, Missouri, USA (Invited by Dr. Yamada)

Speaker, Meeting "Molecular and cellular dynamics of biocommunication", Paris, France (Invited by Pr. Gros)

Course in Neurobiology, Paris, France (Invited by Pr. Ascher)

1988

Course in Cancerology, Paris, France (Invited by Dr. Poupon)

Seminar, Rockefeller University, New York, USA (Invited by Pr. Edelman)

Speaker and Co-chairman, NATO advanced workshop, Les Arcs, France

Speaker, Annual Symposium Cancer Research Foundation, La Jolla, California, USA (Invited by Pr. Stallcup)

Speaker, European Congress on Cytoskeleton, Lyon,

France (Invited by Dr. Rousset)

Speaker, CIBA Meeting on Cancer Metastasis, London, Great Britain (Invited by Pr. Fidler)

Speaker, International Meeting in Developmental Biology NIH, Bethesda, Maryland, USA (Invited by Dr. Dawid)

Seminar, National Cancer Institute, Frederick, Maryland, USA (Invited by Dr. Takacs)

Course in Cell Biology, Paris, France (Invited by Pr. Cohen)

Plenary Lecture, "Mill Hill Lectures series", London, Great Britain (Invited by Dr. Hughes)

Speaker, International Congress in Connective tissues, Paris, France (Invited by Dr. Robert)

Seminar, INSERM U93, Paris, France (Invited by Pr. Degos)

Seminar, INSERM U129, Paris, France (Invited by Dr. Kahn)

Seminar, Institute of Cellular and Molecular Biology, Marseille, France (Invited by Dr. Sémériva)

Seminar, Institut Gustave Roussy, Villejuif, France (Invited by Dr. Feunteun)

Course in Molecular Embryology, Woodshole, Massachusetts, USA (Invited by Pr. Lazarides)

Speaker, International Cell Biology Congress, Montreal, Canada, USA (Invited by Dr. Cass)

Speaker and Co-organizer, International Congress on Cancer Metastasis, Heidelberg, Germany

Speaker and Co-organizer, INSERM Meeting on Adhesive Processes in Hemostasis, Seillac, France

Speaker and Co-organizer, Jacques Monod Conference on Neural Development, Roscoff, France

Co-organiser, French Cell Biology Society, Paris, France

Seminar, Institute of Biochemistry of Macromolecules, Montpellier, France (Invited by Pr. Demaille)

Course in Cell Biology, Université de Montpellier, France (Invited by Pr. Demaille)

Speaker, The Neurochemistry Society Meeting, Cordoba, Argentina (Invited by Pr. Caceres)

Plenary lecture, Biochemistry Society, Cordoba, Argentina (Invited by Dr. Biscoglio)

Seminar, Oris Compagny CEA Saclay, France (Invited by Dr. Marchand)

Course in Neurobiology, Ecole Normale Supérieure, Paris, France (Invited by Dr. Gershenfeld)

Seminar in Pediatrics, Hôpital Necker - Enfants Malades, Paris, France (Invited by Pr. Rappaport)

Lecture, French Society of Anatomy, Paris, France (Invited by Pr. Reynes)

Seminar, University of Clermont-Ferrand, France (Invited by Dr. Meiniel)

Course in Molecular and Cell Biology, University of Clermont-Ferrand, France (Invited by Pr. Durand)

1989

Seminar, Institute of Enzymology, Gif-sur-Yvette, France (Invited by Pr. Schulmeister)

Course in Cancerology, Villejuif, France (Invited by Dr. Poupon)

Speaker and Chairman, Gordon Conference on Fibronectin and Related Molecules, Oxnard, California, USA (Invited by Pr. Mosher)

Seminar, Department of Biochemistry, San Francisco, USA (Invited by Pr. Kirchner)

Seminar, Institut Curie, Paris, France (Invited by Dr. Friedman)

Seminar, Laboratory Lawrence Berkeley, Berkeley, California, USA (Invited by Dr. Bissell)

Lecture, Workshop on Invasion, Lugano, Switzerland (Invited by Dr. Sordat)

Lecture, CCPIC Insurance Company, Paris, France (Invited by Mr. Siegel)

Lecture, 4th International Conference on Progress in Cancer Research, San Remo, Italy (Invited by Pr. Santi)

Seminar, Centre National de Transfusion Sanguine, Les Ullis, France (Invited by Dr. Romet-Lemone)

Course in Cell and Molecular Biology, University Paris 6, France (Invited by Pr. Cohen)

Lecture, Meeting "Heinterzartener Kreis", Häuser, Germany (Invited by Pr. Melchers)

- Seminar, Léon Berard Center, Lyon, France (Invited by Pr. Mayer)
- Speaker, FEBS meeting, Rome, Italy (Invited by Pr. Cavallini)
- Speaker, Workshop on Cell adhesion and metastasis, Southampton, Great Britain (Invited by Dr. Garrod)
- Speaker and Chairman, 11th International Congress of the International Society of Developmental Biology, Utrecht, The Netherlands (Invited by Dr. De Laat)
- Speaker, Laudat Conference, INSERM, Strasbourg, France (Invited by Dr. Boquet)
- Lecture, International Center of Childhood, Paris, France (Invited by Pr. Rappoport)
- Lecture, XVIIth Meeting of the International Society for Oncodevelopmental Biology and Medicine, Freiburg, Germany (Invited by Pr. Von Kleist)
- Seminar, INSERM unit, Hémostase Cellulaire et Moléculaire, Grenoble, France (Invited by Pr. Gérard Marguerie)
- Seminar, Institut Curie, Orsay, France (Invited by Pr. Perbal)
- Conference, 9th congress of Endocrinology, Strasbourg, France (Invited by Pr. Orgiazzi)
- Lecture, Meeting International IGR-Roswell Park Memorial Institute, Villejuif, France (Invited by Pr. Jacquemin Sablon)
- Lecture, 24th Paterson Institute for Cancer Research Symposium, Manchester, Great Britain (Invited by Pr. Harnden)
- Lecture, Association of Cellular Biology Midi-Pyrénées, Toulouse, France (Invited by Dr. Duprat)
- Lecture, 25th Anniversary ISREC, Lausanne, Switzerland (Invited by Pr. Beard)
- Seminar, University of Montpellier, France (Invited by Pr. Lebleu)
- Seminar, INSERM Unit Vaisseaux et Hémostase, Paris, France (Invited by Dr. Levy Toledano)
- Course in DEA Biologie Santé, Montpellier, France (Invited by Pr. Le Peuch)
- Course in DEA of Neurobiology, University Paris 6, France (Invited by Dr. Gerschenfeld)
- Course in the Magistère Ecole Normale Supérieure, Paris, France (Invited by Pr. Addoute)
- 1990**
- Course in Human Biology Institut Gustave Roussy, Villejuif, France (Invited by Pr. Misset)
- Speaker, ICN-UCLA symposium on molecular basis of cell adhesion, Steamboat Spring, Colorado, USA (Invited by Pr. Hynes and Ruoshlati)
- Seminar, Carnegie Institution, Baltimore, Maryland, USA (Invited by Dr. Brown)
- Seminar, University Medical School of New York, USA (Invited by Pr. Rifkin)
- Lecture, Medical School University of Cairo, Egypt (Invited by Dr. Mahfouz)
- Lecture, French Society of Cell Biology, Paris, France (Invited by Dr. Pouyssegur)
- Course In Cell Biology and Biochemistry, DEA University Paris 6, France (Invited by Pr. Ascher)
- Seminar, Institut Biologie Physicochimique, Paris, France (Invited by Dr. Grunberg Manago)
- Seminar, INSERM Unit Lille, France (Invited by Pr. Stehelin)
- Seminar, Department of Biology Ecole Normale Supérieure, Paris, France (Invited by Dr. Charnay)
- Plenary lecturer, 10th international conference on animal cell technology, Avignon, France (Invited by Dr. Meignier)
- Course in Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)
- Speaker, Symposium on motility factors, New York, USA (Invited by Pr. Goldberg)
- Speaker, Swedish-French Symposium in Neurobiology, Stockholm, Sweden (Invited by Pr. Changeux)
- Seminar, Institut Pasteur, Paris, France (Invited by Dr. Veron)
- Speaker and Chairman, 10th International Conference on Lymphatic Tissues, Compiègne, France (Invited by Dr. Imhof)
- Plenary lecturer, Sixth International Conference on Differentiation of normal and neoplastic cells, Vancouver, Canada, USA (Invited by Pr. Auesberg)
- Course, NATO School Spetsai, Greece (Invited by Pr.

Changeux)

Speaker, 6th international Conference on Biology of Vascular Cells, Paris, France

Organizer, Advanced Workshop European Science Foundation, Paris, France

Speaker, EMBO Annual Symposium, Heidelberg, Germany (Invited by Dr. Tooze)

Speaker, Jacques Monod Conference, Toulon, France (Invited by Pr. Gurdon)

Lecturer, European Science Foundation course, Amalfi, Italy (Invited by Dr. De Laat)

Speaker, EMBO Course on mouse embryonic stem cells, Freiburg, Germany (Invited by Dr. Kemler)

Plenary lecturer, Joint meeting Dutch and Belgian Cell Biology Society, Antwerpen, Belgium (Invited by Pr. Joniau)

Course in DEA of Neurobiology, University Paris 6, France (Invited by Dr. Gerschenfeld)

Course, Ecole Polytechnique Palaiseau, France (Invited by Dr. Thomas)

Course in the Magistère Ecole Normale Supérieure, Paris, France (Invited by Pr. Addoute)

1991

Course in Human Biology, Institut Gustave Roussy, Villejuif, France (Invited by Pr. Misset)

Seminar, Institute of Biochemistry of Macromolecules, Montpellier, France (Invited by Pr. Demaille)

Course in Cell Biology, University of Montpellier, France (Invited by Pr. Demaille)

Speaker, INSERM Workshop Protein Engineering, St Odile, France (Invited by Pr. Roques)

Speaker, Gordon Conference on Fibronectin and Related Molecules, Oxnard, California, USA (Invited by Dr. Pierschbacher)

Course, DEA in Biochemistry of Proteins, University Paris 6, France (Invited by Pr. Ascher)

Course, DEA in Molecular Biology of Development Louis Pasteur, University of Strasbourg, France (Invited by Pr. Hoffmann)

Speaker, Symposium on Genetic Control of Vertebrate Development, Les Diablerets, Switzerland (Invited by Pr.

Gruss)

Course in Molecular and Cellular Biology DEA University Paris 6, France (Invited by Pr. Cohen)

Seminar, INSERM (U252) Dijon, France (Invited by Dr. Martin)

Lecturer, Institut Servier, Suresnes, France (Invited by Dr. Gargouil)

Speaker, International Symposium on Differentiation, Oncogenes and Cancer: a Reassessment. Concarneau, France (Invited by Pr. Gros)

Speaker and Chairman, Gordon Conference on cell adhesion, Andover, New Hampshire, USA (Invited by Pr. Buck)

Speaker and Chairman European Congress in Developmental Biology, Jerusalem, Israël (Invited by Dr. Soreq)

Chairman, Meeting of the Society of Cell Biology, Rouen, France (Invited by Dr. Tixier-Vidal)

Lecturer, Symposium cell adhesion, Turku, Finland (Invited by Dr. Jalkanen)

Lecturer, Annual meeting of the French Society of Pathology, Paris, France (Invited by Pr. Camilleri)

Lecturer, El Lilly Institute, Paris, France (Invited by Dr. Verroust)

Speaker, Meeting of the Mildred Scheel Foundation on Metastasis, Bonn, Germany (Invited by Pr. Rabes)

Co-chairman, Rhone-Poulenc Rorer Symposium on Cell Recognition, Lyon, France

Lecturer, Table Ronde Roussel Uclaf, Paris, France (Invited by Pr. Le Douarin)

Co-chairman, annual meeting ARC, Villejuif, France

Course in DEA of Neurobiology, University Paris 6, France (Invited by Dr. Gerschenfeld)

1992

Speaker, Collège de France, Paris, France (Invited by Pr. Gilles de Gennes)

Seminar, Roussel Uclaf, Paris, France (Invited by Dr. Perronnet)

Course, DEA in Biochemistry of Proteins, University Paris 6, France (Invited by Pr. Acher)

Course in Molecular and Cellular Biology DEA, University of Strasbourg, France (Invited by Pr. Hoffmann)

Speaker, 1992 Keystone Colloquium, Lake Tahoe, California, USA (Invited by Pr. Lippman, Pr. Dickson)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Speaker, Symposium on Molecular and Cellular Biology, Keystone, Colorado, USA (Invited by Pr. Derynck, Pr. Werb, Pr. Pytela, Pr. Quaranta)

Speaker, Cancer Center of Marseille 36, France (Invited by Dr. Monges)

Speaker, 4th International Congress of the Metastasis Research Society, Ecole Centrale of Paris, France (Invited by Dr. Poupon)

Speaker, Challenges and Controversies in Cancer Research, Columbus, Ohio, USA (Invited by Dr. Yohn)

Speaker, Meeting on Metamorphosis, The Wellcome Trust, London, Great Britain (Invited by Dr. Smaje)

Speaker, Jacques Monod Conferences, Aussois, France (Invited by Pr. Barritault)

Speaker, Second Congress of the Oncologic Urology (Invited by Pr. Chopin)

Speaker and Chairman, EMBO Workshop, Basel, Switzerland (Invited by Dr. Imhof, Dr. Mackay)

Speaker, Seminar on Adhesion and Motility of Embryonic and Cancer Cells, The Max Planck Institute, Göttingen, Germany (Invited by Dr. Gruss)

Course in DEA of Molecular and Cellular Biology, University of Paris 6, France (Invited by Pr. Cohen)

Speaker, Association pour la Recherche sur les Tumeurs de la Prostate-ARTP, Villejuif, France (Invited by Dr. Robel)

Speaker, 9th Congress of the European Society for Urological Oncology and Endocrinology, Trento, Italy (Invited by Pr. Luciani)

Speaker, Postgraduate Training Course, EuroCellPath III, Lyon, France (Invited by Dr. Grimaud)

Lecturer, Swiss Institute for Experimental Cancer Research, Epalinges, Suisse (Invited by Pr. Sordat)

Speaker, University Medical Center Conferences, Geneva, Switzerland (Invited by Dr. Vassalli)

Course in DEA of Fundamental Basis of Oncogenesis, Gustave Roussy Institute, Villejuif, France (Invited by Dr. Auclair)

Seminar, Ecole Normale Supérieure Lyon, France (Invited by Dr. Brun, Dr. Samarut)

Course in DEA of Neurobiology, Université Paris 6, France (Invited by Dr. Gerschenfeld)

1993

Speaker, Twelfth International Congress of the International Society of Developmental Biology, Vienna, Austria (Invited by Pr. Edelman)

Speaker, First CRC Beatson International Cancer Conference, Glasgow, Scotland (Invited by Dr. Balmain)

Speaker, Ares Sero Symposium, Geneva, Switzerland (Invited by Dr. Sizonenko and Dr. Aubert)

Speaker, Institut Cochin of Molecular Genetics, Paris, France (Invited by Dr. Gisselbrecht)

Speaker, Institut de France Symposium, Paris, France (Invited by Pr. Le Douarin)

Chairman and Speaker, 3rd training of Course on Surface Molecules and clinical applications, Nice, France (Invited by Pr. Bernard)

Course in Molecular and Cellular Biology, DEA of Université, Strasbourg, France (Invited by Pr. Hoffmann)

Speaker, Gordon Conference, Volterra, Italy (Invited by Pr. Bissell, Pr. Ingber)

Organizer, Human Frontier Science Program Meeting, Paris, France

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Cellular Pathology, University Paris 6, France (Invited by Pr. Berezziat)

Course in DEA of Cellular Biology, The Pasteur Institute, Paris, France (Invited by Dr. Louvard)

Speaker, Wellcome-CRC Institute, Cambridge, Great Britain (Invited by Dr. Kouzarides)

Speaker, 24th International Symposium, Princess Takamatsu Cancer Research Fund, Tokyo, Japan (Invited by Pr. Sugimura)

Speaker, 8th French-Japanese Colloquium Kanazawa, Japan (Invited by Pr. Stehelin)

- Seminar, National Institute for Physiological Sciences, Okasaki, Japan (Invited by Pr. Tsukita)
- Seminar, Faculty of Science, Kyoto, Japan (Invited by Pr. Takeichi)
- Co-chairman and Speaker, 40th Meeting of the European Tissue Culture Society, Rennes, France (Invited by Dr. Guillouzo)
- Conference, Ecole Doctorale, Marseilles, France (Invited by Pr. Fougereau)
- Conference, Developmental Biology Institute, Toulouse, France (Invited by Dr. Duprat)
- Seminar, University of Heidelberg, Germany (Invited by Dr. Faisner)
- Seminar, International Agency for Research on Cancer, Lyon, France (Invited by Dr. Yamasaki)
- Speaker, Symposium SENO-BIO 1993 (University of Paris-Val-de-Marne, Faculty of Medicine), Fresnes (Invited by Dr. Pons)
- Course in DEA of Fundamental Basis of Oncogenesis, Gustave Roussy Institute, Villejuif, France (Invited by Dr. Auclair)
- Course in DEA of Neurobiology, Université Paris 6, France (Invited by Dr. Gerschenfeld)
- Seminar, Institut Pasteur Paris, France (Invited by Dr. Cossart)
- Lecturer, Conference of the Association des Professeurs de Biologie et Géologie de l'Enseignement Public, Paris, France (Invited by Mr. Ulysse)
- 1994**
- Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)
- Course in DEA of Cellular Pathology, University Paris 6, France (Invited by Pr. Bereziat)
- Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)
- Course in Molecular and Cellular Biology, DEA of University of Strasbourg, France (Invited by Pr. Hoffmann)
- Course in DEA of Fundamental Basis of Oncogenesis, Institut Gustave Roussy, Villejuif, France (Invited by Dr. Auclair)
- Course, NATO Spetsai, Greece (Invited by Pr. Wirtz)
- Speaker, Human Frontiers Science Program Organization, Kyoto, Japan (Invited by Pr. Takeichi)
- Plenary lecturer, Claudius Regaud Seminars on Metastasis Institut Curie, Paris France (Invited by Dr. Thomas)
- Speaker, American Association for Cancer Research Interlaken, Switzerland (Invited by Dr. Foti)
- Speaker, 4th European Congress on Cellular Biology, Praha, Czechoslovakia (Invited by Dr. Streiblova)
- Speaker, Annual Meeting of the European Society for Pediatric Endocrinology, Maastricht, The Netherlands (Invited by Pr. Van den Brande)
- Speaker, EMBO Workshop, Capri, Italy (Invited by Dr. Quarto, Amalric, Dickson and Zeller)
- Speaker, Fundacion Juan March Workshop, Madrid, Spain (Invited by Drs. de Pablo and Raff)
- Plenary lecturer, European Connective Tissue Societies, Lyon, France (Invited by Dr. Aumailley)
- Plenary lecturer, Symposium Brazilian Societies of Immunology, Biochemistry and Cell Biology, Angra dos Reis, Brazil (Invited by Pr. Borojevic)
- Speaker, Annual Meeting of the German Society of Pathology, Zurich, Switzerland (Invited by Pr. Denk)
- Speaker and Chairman, European Science Foundation Meeting, Kartause-Ittigen, Switzerland (Invited by Pr. Gruss)
- Speaker, Euro Conferences of the Pasteur Institute, Paris, France (Invited by Pr. Vargaftig)
- Speaker, Symposium INRA, Figeac, France (Invited by Dr. Combarous)
- Speaker, 5th campagne d'animation de la Recherche de l'INSERM, Arcachon, France (Invited by Pr. Jasmin)
- Seminar, Department of Neurobiology CNRS, University of Paris (Invited by Pr. Calas)
- 1995**
- Seminar, University of Grenoble, France, (Invited by Pr. Block)
- Lecture, Ecole Normale Supérieure Cachan, France (Invited by Pr. Eberhart)
- Seminar, Institut Curie, Department of Physics (Invited by Dr. Dabos)

Speaker and Chairman, 13th Congress of the French Society of Endocrinology, Nancy, France (Invited by Pr. Milgrom)

Speaker, Jacques Monod Conferences, Aussois, France (Invited by Pr. Mangeat)

Speaker, Round Tables Roussel Uclaf, Symposium on Mechanisms of Morphogenesis, Versailles, France (Invited by Dr. Lando)

Speaker, International Symposium on Cytoskeleton and Cancer, Les Embiez, France (Invited by Pr. Rossignol)

Speaker, American Association for Cancer Research, Toronto, Canada (Invited by Pr. Leyland)

Speaker, International Symposium EDBO Toulouse, France (Invited by Pr. Takeichi)

Speaker, International Congress on Nephrology, Madrid, Spain (Invited by Pr. Ronco)

Speaker, Zeneca Pharma Research Center, Alderley Park, Manchester, U.K. (Invited by Dr. Siret)

Speaker, Inauguration Meeting of the Institute of Developmental Biology of Marseille, France (Invited by Dr. Goridis and Dr. Thouveny)

Plenary Lecture, 2nd Biennial ESF Conference on Cellular Interaction Lengries, Germany (Invited by Dr. Gonzales-Rodriguez)

Speaker, 8th Meeting on Adhesion La Colle sur Loup, France (Invited by Dr. Leger)

Speaker, The European Cancer Conference Paris, France (Invited by Pr. Bartelink)

Course in DEA of Molecular Biology of Development, University Louis Pasteur, Strasbourg, France (Invited by Pr. Hoffmann)

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Course in DEA of Fundamental Basis of Oncogenesis, Institut Gustave Roussy, Villejuif, France (Invited by Dr. Auclair)

Speaker, Colloquium of the Bergonié Institute, Bordeaux, France (Invited by Pr. Hoerni, Dr. Bui)

Course in DEA of Molecular Biology of Development, University Paris 6 (Invited by Pr. Boucaut)

1996

Course in DEA of Gastroenterology, University Paris (Invited by Dr. Louvard)

Course, Master Degree, Ecole Normale Supérieure, Paris

Speaker, Institut Pasteur-Weizmann Symposium, Rehovot, Israel (Invited by Dr. Israel)

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Organizer, Institut Gustave Roussy-Institut Curie Scientific Meeting, Cellular Biology–Biology of Tumours, Paris, France.

Course in DEA of Molecular Biology of Development, University Louis Pasteur, Strasbourg, France (Invited by Pr. Hoffmann)

Speaker, International Titisee Conference, Titisee, Germany (Invited by Pr. Dr. Gert Riethmüller)

Speaker, British Association For Cancer Research, Edinburgh, Scotland (Invited by Pr. Miller)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Speaker, Tenon Hospital, Paris (Invited by Pr. Ronco)

Seminar, New York University Medical Center, USA (Invited by Dr. Grumet)

Speaker, Pfizer Pharmaceutical Company, Groton, USA (Invited by Dr. Olson)

Chairman, International Conference on Breast Cancer (Invited by Dr. Calvo)

Speaker, Jacques Monod Conference, Lalonde les Maures (Invited by Pr. Gruss)

Speaker, International Conference ICOC2, Institut Curie, Paris (Invited by School)

Seminar, the Wistar Institute, Philadelphia, USA (Invited by Pr. Buck)

Chairman, Forum de Cancérologie, Paris (Invited by Dr. Jacquemin-Sablon)

Speaker, Frontiers in Science Minisymposium, NIEHS Research Triangle Park, "Multifunctional Growth factors during Tumor Progression". June 18, 1996 (Invited by Dr. Roberts)

Speaker, ARC Conference: "Réaction stromale aux

tumeurs épithéliales". June 28, 1996, Villejuif, France (Invited by Dr. T. Hercend)

Organizer, EEC Network, Human Capital Mobility, Paris.

Speaker, 6th International Congress of the Metastasis Research Society: "Multifunctional Growth factors during Tumor Progression". Sept 8-11, 1996, Gent, Belgium (Invited by M. Mareel)

Speaker, "7e Colloque Scientifique et Pédagogique de l'ANEBC". Sept 26-28, 1996, St Malo, France (Invited by V. Catros-Quemener, Ch. Guillouzo, J. Ph. Moulinoux)

Speaker, Boehringer Ingelheim Funds International Titisee Conferences: "Growth factor signaling in epithelial mesenchymal transition". Oct 2, 1996, Titisee, Allemagne (Invited by Dr. H. Fröhlich)

Speaker, "3ème Congrès d'Hématopoïèse et Oncogénèse": "Rôle des molécules d'adhésion dans le développement et l'embryogénèse". Oct 20-21, 1996 Presqu'île de Giens, (Invited by Ch. Larsen)

Speaker, Institut Albert Bonniot, 5th Conference on Growth Factors Signaling. Oct 28-29, 1996, Grenoble, France (Invited by Pr. Marc Block)

1997

Course, Master Degree Ecole Normale Supérieure, Paris, France.

Course in DEA of Gastroenterology, University of Paris, France (Invited by Dr. Louvard)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Course in DEA of Molecular Biology of Development, University Louis Pasteur, Strasbourg, France (Invited by Pr. Hoffmann)

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Molecular and Cellular Biology of Development, University Paris 6 (Invited by Pr. Boucaut)

Conference, mini symposium "Rhône Poulenc Rorer" on "Rôle des facteurs de croissance dans les phénomènes tumoraux". April 29, 1997, Vitry, France (Invited by Dr. C.G. Caillard)

Co-organizer and speaker, ECBO'97 Symposium: "Multifunctional Growth Factors in Epithelial Cell Plasticity". March 22-25, 1997, Brighton, UK (Invited by Pr. Hopkins)

Speaker, VII Euro Cell Path Conference on "Stromal reaction in preneoplastic and early cancerous lesions". May 9-12, 1997, Metsovo, Ioannina, Greece (Invited by Pr. Jean-Alexis Grimaud)

Speaker, ISREC: "Signaling pathways in bladder carcinogenesis". May 28, 1997, Lausanne, Epalinges, Suisse.

Speaker, « Journée Thématique Dynamique de la Cellule Vivante-AFC »: "Stratégie et mécanismes de migration dans l'embryon". June 2, 1997, Paris (Invited by Pr. Xavier Ronot)

Speaker, 13th Lecture Course on Molecular Mechanisms of Embryonic Development on "Growth factors and cell adhesion in epithelial cell plasticity". June 29 - July 1, 1997, Cividale del Friuli, Udine, Italy (Invited by Pr. Edoardo Boncinelli)

Co-organizer and speaker at the "Conférence inaugurale du programme ERASMUS -Intensive course-Molecular and Cellular Approaches to Genetic Analysis of Development": "Epithelial cell plasticity in morphogenesis". Sept 19-30, 1997, Paris (Invited by Pr. Michel Volovitch)

Co-organiser and speaker at the "Philippe Laudat Conference"-INSERM on "Signaling pathways during the progression of carcinoma". Sept 21-25, 1997, Aix-les-Bains, Savoy, France (Invited by Pr. Andreas Bikfalvi)

Speaker, Third International Colloquium on "Cellular Signal Recognition and Transduction": "Signaling pathways in the scattering of epithelial carcinoma". Oct 7-11, 1997, Berlin.

Speaker, "GÉSA 27" "Voies de signalisation dans la progression des carcinomes". Oct 12-15, 1997, Biarritz-Anglet, France.

Speaker, IGR, Département de Médecine: "Rôle des facteurs de croissance dans la dissémination métastatique". Oct 21, 1997, Paris (Invited by Dr. Jean Pierre Armand)

Course in DEA "Biologie Moléculaire et Cellulaire du Développement", University Paris 6, 7, 11: "Systèmes adhésifs: introduction et perspectives nouvelles". Oct 24, 1997 (Invited by J. C. Boucaut)

Co-organizer, "Table Ronde n° 87 Roussel-Uclaf": "Cell adhesion: Structure and function in physiology and pathology". Oct 27-28, 1997, Paris.

Speaker, ESF conference "Molecular Biology of Cellular Interactions: Cell adhesion Molecules and Receptor Cross-Talk". Oct 31 - Nov 5, 1997, Granada, Spain.

Course in DEA of "Biologie et pathologie des épithéliums". Nov 7, 1997, University Paris 7, UFR de Médecine Xavier Bichat, Paris (Invited by Pr. Gérard Feldmann, Dr. Brigitte Escoubet)

Speaker, « Société de Biologie, Journée Claude Bernard »: "Invasion métastatique tumorale. Rôle des facteurs de croissance dans la dissémination métastatique". Nov 19, 1997, Paris (Invited by Jacques Picard)

Speaker, Biozentrum: "Role of growth factors in epithelial cell plasticity and tumor progression". Nov 21-23, 1997, Basel, Switzerland (Invited by G. Schatz)

Speaker, « Séminaires de l'Hôpital Saint-Antoine: "Rôle des facteurs de croissance dans la progression des carcinomes". Dec 3, 1997, Paris (Invited by P. Bouchard)

Co-organizer and speaker at the round table of ARTP: "Métastases, angiogenèse, mobilité cellulaire. FGF and bladder carcinoma". Dec 5, 1997, Maison de la Chimie, Paris (Invited by Pr. Paul Robel)

1998

Course in Cancerology for the nurses of the Institut Curie: "La recherche scientifique en cancérologie".

Member of the first meeting of the reviewing panel to the Priority Programme "Molecular Control Mechanisms of Cell Migration" of the Deutsche Forschungsgemeinschaft. Jan, 15-16, 1998, Bonn, Germany.

Course Master Degree, Ecole Normale Supérieure, Paris.

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Course in DEA of Molecular Biology of Development, University Louis Pasteur, Strasbourg, France (Invited by Pr. Hoffmann)

89th annual meeting of the American Association for Cancer Research. March 28 - April 1, 1998, New Orleans, LA, USA.

Speaker, Department of Radiation Oncologic, Massachusetts General Hospital. April 3, 1998, Boston, USA (Invited by Pr. Rakesh Jain)

Meeting of the Scientific Advisory Board (SAB) of the Max-Planck Institute of Immunobiology. April 20-21, 1998, Freiburg, Germany.

Speaker, « Journée de Recherche Clinique,

EUROCANCER 98 »: "Les facteurs de croissance dans la progression des cancers". June 3, 1998, Palais des Congrès de Paris, (Invited by Dr. J-P Armand)

Speaker, European Research Conference on *Developmental Biology*: "Cell death, cell division and cell movement". June 6-11, 1998, Lenggries, Germany (Invited by Rosa Beddington)

Speaker, IADR Congress, W.J. Gies Distinguished Scientific Lecture: "Epithelial cell plasticity during ontogenesis". June 26 1998, Nice, France (Invited by Pr. Michel Goldberg)

Speaker, SFBD/SBCF Symposium "Communication et Autonomie Cellulaires au cours du Développement". July 15-19 1998, Marseille, France (Invited by Patrick Lemaire)

Speaker, XIII International Congress of Eye Research: "Epithelial cell plasticity in morphogenesis". July 26-31 1998, CNIT, Paris (Invited by John Mc Avoy)

Speaker and co-organiser, FEBS/NATO Course: "Molecular Mechanisms of Transcellular Signalling - From Membrane Receptors to Transcription Factors". Aug 16-28, 1998, Spetses, Greece, France (Invited by Pr. Karel A. Wirtz)

Speaker, Workshop on Matrix Extracellular. Sept 18-19, 1998, Berlin, Germany (Invited by Dr. Reinhold Schäfer)

Speaker, 2nd International Symposium on Minimal Residual Cancer. Sept 20-22, 1998, Berlin, Germany (Invited by Dr. Klaus Pantel)

Speaker, 23rd European Symposium on Hormones and Cell Regulation: Cell Proliferation. Sept 25-28, 1998, Mont Saint Odile, Alsace, France (Invited by Pr. Dumont)

Speaker, First International Congress Exhibition on Cancer. Nov 16-20, 1998, Dubai, United Arab Emirates (Invited by Dr. Merzak)

1999

Course Master Degree, Ecole Normale Supérieure, Paris.

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Course in DEA of Molecular Biology of Development, University Louis Pasteur, Strasbourg, France (Invited by Pr. Hoffmann)

Speaker, Symposium of the DFG research group "Cell-

cell and cell-matrix interaction of the skin: Epithelial cell plasticity in morphogenesis and tumor progression". Jan 15-17, 1999, Köln, Germany (Invited by Thomas Krieg)

Speaker, IARC Symposium "Cell adhesion and communication in growth control and cancer: Epithelial cell plasticity in morphogenesis and during tumor progression". Jan 19-21, 1999, Lyon, France (Invited by Dr. Hiroshi Yamasaki)

Speaker, Forbeck Forum on Tumor Invasion and Metastasis: "Epithelial cell plasticity in the progression of carcinoma". Feb 7-10 1999, Israël (Invited by Dr. Israel Vlodavsky)

Speaker, 26th Symposium of the FEBS. June 19-24, 1999 Nice, France (Invited by Pr. G. Dirheimer)

Speaker, 15th Lecture Course on Cell-Cell Adhesion: the Molecular Biology of Social Cell Behaviour: "Adhesive behaviors of embryonic cells during morphogenesis of the vertebrate". July 3-8, 1999, Cividale del Friuli, Italy (Invited by Pr. Franco Quadrifoglio)

Seminar, University of Munich: "Epithelial cell plasticity in morphogenesis and during tumor progression". July 23, 1999, Germany (Invited by Pr. Gert Riethmüller)

Speaker, Gordon Research Conference, Biological Structure and Gene Regulation: "Integrins and cadherins in embryonic cell motility ". Aug 15-20, 1999, Kimball Union College, USA (Invited by Dr. Steve Farmer)

Speaker, 3rd World Congress on Urological Research. Sept 30 - Oct 3, 1999, Institut Pasteur, Paris (Invited by Pr. Dominique Chopin)

Seminar IGH, Oct 8, 1999, Montpellier (Invited by Pr. Marcel Méchali)

Speaker, Colloquium Fondation des Treilles Patterning and differentiation during development of the nervous system: "Cross-talk between integrins and cadherins in embryonic cell migration". Nov 9-14, 1999, Nice (Invited by Anne Postel-Vinay)

Speaker, International Bat-Sheva de Rothschild Seminar, The dialogue between cell adhesion, protein degradation and transcriptional regulation in cancer: "Epithelial cell plasticity in morphogenesis and during tumor progression". Nov 21-25, 1999, Rehovot, Israel (Invited by Pr. Avri Ben-Ze'ev and Benjamin Geiger)

2000

Speaker, Symposium on Phenotypic changes in epithelial development: "Epithelial cell plasticity in morphogenesis and during tumor progression ". Jan 5-7, 2000, Royal Holloway College, Egham, Surrey, UK (Invited by Pr. David R. Garrod)

91st AACR Annual Meeting, April 1-9, 2000, San-Francisco, USA.

Speaker and Chairman, Mammary Gland Gordon Conference: "Adhesion and signaling events in the differentiation of the mammary epithelium". May 21-25, 2000, Il Ciocco, Lucca, Italy

Speaker, XXVIIème Forum des Jeunes Chercheurs: La Dynamique Cellulaire dans le Développement et la Progression Tumorale. July 3, 2000, Reims, France (Invited by H. Morjani)

Speaker, 3rd International Cancer Gene Therapy Conference. July 12-13, 2000, Institut Pasteur, Paris (Invited by Pr. David Klatzmann)

Speaker, National University of Taiwan, Faculty of Medecine: "Epithelial cell plasticity in Development". Aug 21, 2000, Taipei, Taiwan (Invited by Pr. Shou-Mei Wang)

Speaker, Veterans General Hospital, Yang Ming University: "Mechanism of tumor progression: the special case of bladder cancer". Aug 22, 2000, Taipei, Taiwan (Invited by Pr. Tsong-Yu)

Speaker, Yang Ming Universtiy: "Overview of the cell biology department of the Institut Curie and strategies for cancer treatment". Aug 24, 2000, Taipei, Taiwan (Invited by Pr. Ching Shan)

Speaker, Cancer Center Ho-Hsing: "Mechanisms of tumor progression: the special case of bladder cancer ". Aug 25, 2000, Taipei, Taiwan (Invited by Pr. Andrew Huang)

Speaker, VIII International Congress of the Metastasis Research Society: "Growth factor signaling in the progression of carcinoma ". Sept 24-27, 2000, London, UK (Invited by Dr. Suzanne A. Eccles)

Speaker, Jacques Monod Conference: "Cellular and Molecular Basis of Morphogenesis". Oct 7-11, 2000, Aussois, France (Invited by Pr. Michel Labouesse)

Speaker, Graduate School of Biostudies, Kyoto University: "Growth factor signaling in lung branching morphogenesis". Nov 15, 2000, Kyoto, Japan (Invited by Pr. Masatoshi Takeichi)

Speaker, Cancer Center: "Growth factor signaling in the progression of carcinoma". Nov 20, 2000, Tokyo, Japan (Invited by Dr. Setsuo Hiroashi)

Course in DEA of Molecular and Cellular Biology, University Paris 6, France (Invited by Pr. Cohen)

Course in DEA of Cellular Biology, Institut Pasteur, Paris, France (Invited by Dr. Louvard)

Course in Human biology Master, Hôpital St Louis, Paris

Course in DEA Biology and Genetics of Cancer

2001

Course Master Degree, Ecole Normale Supérieure, Paris

Course in DEA of Molecular and Cellular Biology, University Paris 6, (France) (Invited by Pr. Cohen).

Speaker, 3rd International Symposium on Minimal Residual Cancer: "Mechanisms of epithelial cell plasticity in tumor invasion and metastasis". Feb 16-18, 2001, Hamburg, Germany (Invited by Pr. Klaus Pantel)

Speaker, Workshop on Common molecules in development and carcinogenesis: "Growth factor signaling in branching morphogenesis and carcinoma progression". Feb 25-28, 2001, Madrid (Spain) (Invited by Dr. Angela Nieto)

Speaker, «BIL Course on Extracellular matrix, cell adhesion and motility in development and cancer»: "Adhesive interactions in development", 8-9 March 2001, Lausanne, Switzerland (Invited by Dr. Bernard Sordat).

92nd AACR Annual Meeting, March 24-28, 2001, New Orleans (USA).

Distinguished Lecture: "Growth factors in the progression of carcinoma" and Speaker, Mini Symposium USC Cancer Center, "Developmental Biology and cancer connections", April 2-4, 2001, Childrens Hospital, Los Angeles, USA (Invited by: Pr. David Warburton)

Speaker, Gordon Research Conference on Tissue Repair and Regeneration, June 17-22, 2001, New Hampshire, USA (Invited by Pr. Sabine Werner)

Speaker, Special seminar at MGH Cancer Center, "Growth factors in bladder cancer progression", June 22, 2001, Harvard, Boston, USA (Invited by Pr Spyros Artavanis-Tsakonas)

Speaker, British Cancer Research Meeting 2001: "Growth factor signaling in tumor invasion and metastasis", July 1-4, 2001, Leeds, UK (Invited by Dr. Suzanne Eccles)

Speaker, Colloque annuel de la SFBD: August 31-Sept 3, 2001, Marseille, France "Epithelial cell plasticity in development" (Invited by O. Pourquié, S. Kerridge, P. Lemaire)

Speaker and Chairman, Premier congrès franco-allemand de biologie cellulaire: Cell-cell interactions in

development. "Cadherin-mediated embryonic cell adhesion" Nov 7-9, 2001, Strasbourg, France (Invited by Pr. Bernard Hoflack)

Speaker, International conference: Cell Migration in Development and Disease: "Growth factor mediated signaling in the control of epithelial cell plasticity in development and tumorigenesis", Nov 28 - Dec 1, 2001, Berlin, Germany (Invited by Pr. Walter Birchmeier).

2002

Course of Oncology - Sanofi Synthelabo. March 26, 2002, Montpellier (France) (Invited by Dr. Pierre Casellas)

Seminar, Institut de Génétique Moléculaire de Montpellier (France). March 26, 2002. "Growth factor signalling in bladder cancer" (Invited by Dr. Jean-Marie Blanchard)

Lecture Mini symposium, 93rd American Association Cancer Research (AACR Annual Meeting), April 6-10, 2002, San Francisco (USA), "The receptor-like tyrosine phosphatase LAR regulates β -catenin tyrosine dephosphorylation in carcinoma cells" (Invited by Pr. Lynn Matrisian)

Seminar, Memorial Sloan Kettering Institute, New York (USA), April 12, 2002, "Growth factor signaling in bladder carcinoma" (Invited by Pr. Barry Gumbiner)

Seminar, New York University Medical School Dept cell Biology (USA) April 15, 2002, "FGF signaling in branching morphogenesis and the progression of carcinoma" (Invited by Pr. David Sabatini)

Speaker, International congress on cystic fibrosis, April 25, 2002, Paris, "Functions of FGF10 in lung development and in congenital diaphragmatic hernia" (Invited by Pr. Cathy Schwartz)

Speaker, International workshop Beatson Institute, "Integrins and cadherins in embryonic cell motility and branching morphogenesis". May 17-18, 2002, Glasgow (UK)

Speaker, European Congress of Cancer, "Growth factor signalling in bladder carcinoma progression". June 8-10 2002, Grenada (Spain),

Speaker, Journées Gabriel Richet, "Molecular mechanisms of branching morphogenesis in lung development". June 14-15, 2002, Le CouDr.ay (France),.

Speaker, Workshop EMBO, "Morphogenesis of endodermal epithelia". Aug 18-23, 2002, Arolla (Switzerland), (Invited by Dr. Jean-Pierre Krahenbuhl)

Chairman-symposium, Meeting of International Society

of Differentiation, Sept 14-17, 2002, Lyon (France)

Speaker, Taiwan-France Meeting. Department of oncology, National Taiwan University College of Medicine “Epithelial mesenchymal transition”. Sept 28, 2002. (Invited by Pr. Chang-Yao Hsieh).

Seminar, Osaka Medical School; Department of Molecular Biology and Biochemistry; Osaka (Japan) “Epithelial mesenchymal transition”. Oct 4, 2002 (Invited by Pr. Yoshimi Takai).

2003

Speaker, Timberline Symposium on epithelial cell biology. Mt Hood, Oregon, (USA). Feb 1-4, 2003. “Epithelial mesenchymal transition” (Invited by Pr. Gerald Cunha).

Speaker, Signaling in breast Cancer and new therapeutic approaches. Nice (France). Feb 15, 2003. ‘Epithelial cell plasticity and breast development’ (Invited by Dr. Jacques Pouyssegur).

Seminar, McGill Cancer Center. Montréal (Canada), April 4, 2003. “Growth factor signaling in tumor progression”. (Invited by Pr. Nicole Beauchemin)

Speaker Eurocellpath. Montebello (Norway). June 21-24, 2003. “Epithelial cell plasticity in carcinoma” (Invited by Pr. Jahn Marthin Nesland).

Speaker, The Neural Crest Conference ; New perspectives on lineage and morphogenesis. Timberline Mt Hood, Oregon, (USA) June 25–27, 2003. “Neural crest 2003”. (Invited by Pr. Charles Kimmel)

Special lecture, Boden Conference on epithelial-mesenchymal transitions. Port Douglas (Australia). Oct 5–10, 2003. “Epithelial-mesenchymal transitions in development and in cancer” (Invited by Pr. Donald Newgreen).

Speaker, 4th International Symposium on Minimal Residual Cancer. Oslo (Norway) Nov 13-16, 2003. ‘Epithelial mesenchymal transition in cancer’ (Invited by Pr. Klaus Pantel)

Speaker, Journée Claude Bernard. Paris (France) Functional genomics in cancer. Nov 26, 2003. ‘Contributions of developmental biology and functional genomics in molecular analysis of bladder carcinoma’

2004

Speaker, Academie Nationale de Pharmacie Paris Jan 14, 2004. ‘De la biologie des tumeurs aux traitements innovants : un vrai parcours du combattant’ (Invited by Dr. Claude Monneret).

Speaker. Asian Breast Cancer Conference, Taipei,

(Taiwan). Feb 26–March 1, 2004. ‘Molecular cell biology approaches for breast cancer patient stratification (Invited by Pr. Tse-Jia Liu).

Speaker. Nouvelles Drogues ciblées pour la thérapie du cancer. Paris. May 27, 2004. ‘Thérapies: one or several Gleevec’

Speaker, University of Ghent (Belgium), June 4, 2004. Department of Molecular Biology ‘Molecular mechanisms controlling human bladder carcinoma initiation and progression’. (Invited by Pr. Franz Van Roy)

Speaker, European Association of Cancer Research (EACR) Innsbruck (Austria) July 3-6, 2004. ‘Growth factor signaling and cell adhesion in tumor progression’. (Invited by Pr. Hans Grunicke)

Speaker and discussion leader, Gordon Conference on Immunoglobulin superfamily markers in Infection, Immunity and Cancer. Mount Holyoke College South Hadly Massachussets, (USA). July 17-24, 2004. ‘Force measurements in cell-cell adhesion’ (Invited by Christoph Wagener and Kathryn Holmes).

Seminar, Harvard Medical School, Department of Cell Biology, Cell adhesion in morphogenesis July 23, 2004 (Invited by Pr. Joan Brugge)

Chairman, European Society for Pigment Cell Research. Paris (France) Sept 22-25, 2004.

Lecture. Journées Portes Ouvertes de l’Institut Curie. Paris (France). Oct 2, 2004. Cancer et métastases.

Speaker. Affymetrix. Santa Clara. California USA. 6 Oct 6, 2004. ‘Translational Research at the Institut Curie’. (Invited by Susan Siegel President and Director)

Speaker, 2nd International DFG Symposium Cell Migration in development and Disease . Karlsruhe (Germany) Oct 10-13, 2004 ‘Developmental alterations in neural crest derivatives lacking beta-1 integrin’. (Invited by Pr. Doris Wedlich).

Speaker French Ministry of Research GIP AVENTIS colloquium Nov 23, 2004 Molecular stratification of breast cancers (Invited by Dr. Alain Jouquet).

2005

Lecture AstraZeneca Macclesfield (UK) Jan 18, 2005 “Research at the Institut Curie” (Invited by Dr. Paul Elvin).

Lecture Osaka Medical School (Japan) March 15, 2005 “A new approach to measure strength of adhesion of epithelial cells mediated by classical cadherins and nectins” (Invited by Pr. Yoshimi Takai)

Lectures National Taiwan University Hospital Taipei, (Taiwan). March 22 2005. ‘Integrins in embryonic cell migration’, Translational research in cancer at the Institut Curie” (Invited by Pr. Chang-Yao Hsieh).

Lecture, The Whitehead Institute MIT Cambridge April 22, 2005 “ How do cadherin adhere and how much? implications in morphogenesis and tumor progression (Invited by Pr. Robert Weinberg and Pr. Jack Tyler).

Lecture, Hinterzartener Kreis Conference 2005, Cadenabbia (Italy) May 5-8, 2005 “Role of FGF growth factors and receptors in development and tumor progression” (Invited by Pr. Sabina Werner).

Speaker Eurocellpath. Montebello (Norway). June 21-24, 2005. “Molecular stratification of breast carcinoma” (Invited by Pr. Jahn Marthin Nesland)

Rafaella Tece Memorial Lecture Rome (Italy) July 15, 2005 “Growth factors and cell adhesion in tumor progression”(Invited by Pr. Pier Giorgio Natali).

Annual student symposium Hotel Dieu Quebec (Canada) Aug24, 2005 “Mechanochemistry of cell adhesion” (Invited by PhD student committee).

Lecture, International Meeting on EMT Vancouver (Canada) Nov 1-5, 2005 “Cadherin mediated Cell adhesion in EMT” (Invited by Pr. Shoukat Dedhar).

Plenary Lecture, Annual meeting of the medical association of Taiwan (Taipei) Nov 12, 2005 “ Molecular stratification of breast cancers” (Invited by Pr. Fang-Hue Lin)

Lecture Osaka Bioscience Institute Osaka (Japan) Nov 15th, 2005 “Biophysics of cell adhesion” (Invited by Pr. Hisataka Sabe)

Lecture Serono International Symposium on endometrium and embryo implantation Dec 16-17, 2005 Paris “Cell adhesion in preimplantation embryos” (Invited by Pr Andre Hazout)

2006

Seminar IMCB Biopolis Singapore Jan 5th, 2006 “Cell adhesion in morphogenesis and tumor progression” (Invited by Sir Pr. David Lane)

Lecture Astrazeneca The University of Manchester (UK) Jan 18th, 2006 “Cell adhesion in morphogenesis” (Invited by Pr. Charles Streuli).

Lecture Eppendorf Medical Campus Hamburg (Germany) Feb 9th 2006 “Cell adhesion in

morphogenesis and tumor progression” (Invited by Pr. Klaus Pantel)

Lecture meeting ultrasound research network London (UK) May 4th, 2006 “Measuring the strength of adhesion” (Invited by Pr. Terence Coakley)

Lecture French Cancer Society 100th anniversary symposium Bordeaux May 18-19, 2006 “Molecular stratification of cancer” (Invited by Dr. Jacques Robert)

Plenary lecture 21st European cytoskeleton forum Biopolis Singapore Oct 31st- Nov 4th 2006 “Role of actin microfilament in the strengthening of cell-cell adhesion” (Invited by Pr. Birgit Lane)

Plenary Lecture 3rd Australian Health and Medical Research Congress Melbourne Nov 26-Dec 1st 2006 “The mechanochemistry of cell adhesion” (Invited by Pr. Hamish Scott and Pr. Don Newgreen)

2007

Plenary lecture International workshop on animal models of human development and diseases Biopolis Singapore Feb 12-14th 2007 “Targeting murine neural crest as a model for pediatric diseases” (Invited by Pr. Philip Ingham)

Special Lecture The Weizmann Institute of Science Rehovot (Israel) for the memory of late Pr. Michael Feldman March 26, 2007 “Cell adhesion: mechanochemistry and in vivo functional approaches” (Invited by Pr. Lea Eisenbach)

Lecture First international Meeting Intracellular transport and signal transduction in cancer biomedicine Stalheim (Norway) May 19-23rd, 2007 “Signaling pathways in mammary gland development and in tumor progression” (Invited by Pr. Sjur Olsnes)

Seminar Division of Cell and Developmental Biology University of Dundee (UK) May 24th 2007 “The mechanochemistry of cell adhesion” (Invited by Dr. Marios Stavridis)

Lecture The 4th IRCC international conference Invasive growth 2: a genetic programme for stem cells and cancer Torino June 7-10th 2007 “Normal mammary stem cells and tumor progression” (Invited by Pr. Paolo Comoglio)

Lecture Tohoku-NUS Joint Symposium Singapore Sept 5th, 2007 “Normal and malignant breast cancer stem cells” (Invited by Pr. Yoshi Ito)

Lecture EMT international Symposium Kracow (Poland), Sept 12-14th, 2007 Signal transduction in EMT (Invited by Dr. Savagner)

Lecture International Symposium Kloster Seon (Germany), Sept 22-25th, 2007 Cellular and molecular mechanisms of tumor progression and metastasis. (Invited by Pr. Augustin)

Lecture Lecture Australian Breast Cancer Conference Melbourne Nov 20-23, 2007 Breast Cancer Stem Cells (invited By Pr. Rick Thompson)

2008

Lecture, Dundee-Karolinska A*STAR symposia Singapore Jan 21-23 2008 “The mechanochemistry of cell adhesion” (Invited by Pr. Birgit Lane).

Lecture, International Meeting Science and Technology Singapore Jan 29-30 2008 (Invited by Keith Rogers).

Lecture, International Meeting Cold Spring Harbor USA Epithelial Mesenchymal transition. March 17-20 2008 (Invited by Ragu Kalluri)

Lecture, International Meeting Tumor Invasion and Metastasis Berlin March 22-25 2008. (Invited by Pr. Walter Birchmeier)

Lecture, Cross Council Organization Meeting Biopolis April 24-25 2008 (Invited by Pr. Dave Fernig)

Lecture, Symposium Defining molecular and Dr.ug targets for cancer Helsinki Sept 3-5 2008 (Invited by Pr. Kari Alitalo)

Lecture, Keystone meeting on stem cells Singapore Sept 29-Oct 2nd 2008 (Invited by Pr. David Lane)

Chairman, Session Inaugural A*STAR Scientific Conference Nov 18-19, 2008 (Invited by CCO A*STAR) Singapore

Advisor, Breast Cancer Research Consortium Dec 10-12, 2008 (Invited by Pr. Erik Thompson) Melbourne Australia

2009

Lecture, A*STAR Karolinska Institute-Dundee Jan 13-14 Singapore (Invited by Lawrence Stanton)

Advisor, Tunic EEC consortium on tumor microenvironment Jan 22-24, 2009 Basel (Invited by Pr. Jonathan Sleeman).

Seminar, Henan Cancer Center Feb 19-21 Zhengzhou Henan (Invited by Young Li)

Seminar, Hanson Institute March 20-24 2009 Adelaide (Invited by Greg Goodall)

Lecture, Bone Metastasis Conference, March 24-26, 2009 Sydney (Invited by organizers)

Speaker, AACR 100th annual Conference, April 17-22, 2009, Denver (Invited by Margaret Foti)

Member, Scientific Council Biosystems International. April 24-26, 2009, Debrecen Hungary

Lecture, Annual meeting H Foundation Lurie Comprehensive Cancer Center Northwestern University. May 17-19, 2009, Chicago (Invited by K. Green)

Co-organizer, Mass Spectrometry Symposium. June 2, 2009, Singapore

Speaker, IMCB-IMB Brisbane Joint Symposium. June 15-16, 2009, Singapore

Presentation, SAB ETC chairman Yamada Global Head Bill and Melinda Gates Foundation. June 23, 2009

Speaker, International Congress on Cancer, June 23-25, 2009, Beijing

Speaker, Symposium tumor microenvironment. Aug 19-22, 2009, Turku Finland (Invited by Sirpa Jalkanen)

Speaker, International conference minimal residual disease. Sept 16-19, 2009, Athens (Invited by Evi Lianidou)

Speaker, Grand rounds NUHS. Oct 28, 2009 (Invited by Dr. Lim Siew Eng)

Speaker, Mechanobiology International Conference. Nov 3-5, 2009, Singapore (Invited by Michael Sheetz)

Advisor, Tunic EEC Consortium. Nov 9-12, 2009, Rotterdam (Invited by Jonathan Sleeman)

Chairman, Stem Cell Symposium. Nov 13, 2009 Rotterdam (Invited by Ricardo Fodde)

Speaker Inaugural Symposium CSI Singapore Nov16-17, 2009, Singapore (Invited by Pr. Daniel Tenen)

Lecture French Academy of Medicine. Dec 1, 2009 Paris (Invited by Gerard Orth)

Lecture, CRP, 2009 Luxembourg (Invited by Bassam Janji)

Speaker, Department of Urology NUH Singapore, Dec 7, 2009, Singapore (Invited by Dr. Edmund Chung)

2010

Seminar, Scripps Research Institute. Feb 24, 2010 La Jolla (Invited by Pr. Gerald Edelman)

Lecture, Genentech. Feb 26, 2010, San Francisco (Invited by Dr. Frederic Sauvage)

Keynote Lecture, AACR meeting on EMT. Feb 28 - March 2, 2010 (Invited by Pr. Robert Weinberg)

Lecture, NIH NICD Bethesda March 2, 2010 (Invited by Dr. Kenneth Yamada)

Lecture, Société Française du Cancer Paris April 16, 2010 (Invited by Pr. Jacques Robert)

Lectures, Weismann Institute May 11-12, 2010 (Invited by Pr. Yetan Domany)

Lectures, Hebrew University Medical School May 13-14, 2010, Jerusalem (Invited by Pr Chaya Kalcheim)

Lecture, Shanghai FDA workshop May 22, 2010, China (Invited by Dr. Jason)

Keynote Speaker, International Anatomy Society May 27, 2010, Singapore (Invited by Pr Bay Boon Huat)

Lecturer, GEM school Singapore July 28, 2010, Singapore (Invited by Pr. Chew Teck Lim)

Speaker, World Congress Biomechanics. Aug 2, 2010, Singapore (Invited by Pr. Michael Sheetz)

Lecture, HUPO meeting on Breast Cancer Oct 5, 2010, Singapore (Invited by Pr. Ed Liu)

Lecture, European Community Consortium meeting Metafight Torino Dec 2, 2010, Italy (Invited by Dr. Paola Filipo)

2011

Lecture, Eugene University Department of Biology. Jan 17, 2011 (Invited by Pr. James Weston)

Speaker, Biocomplexity Meeting. Feb 14-15, 2011 Singapore (Invited by organizers)

Lecture, Fred Hutchison Cancer Research Center Laboratory. Jan 19, 2011, Seattle (Invited by Beatrice Knudsen)

Keynote lecture, Keystone Symposium. Jan 20-24, 2011 Vancouver (Invited by organizing committee)

Lecture, Frontiers Meetings Madrid Feb 7-9, 2011 (Invited by Mariano Barbacid)

Keynote Lecture, Hunter Valley Australian Annual Meeting. March 22-25, 2011 Invited by Organizers)

Speaker, New Zealand Singapore meeting Dunedin March 26-27, 2010

Moderator and speaker, Forum on EMT of AACR Annual meeting Orlando USA April 2-6, 2010 (Invited by organizing committee)

Lecture, Brain storm session on Cancer NCI -sponsored Phoenix May 17-21, 2011 (Invited by Pr. Paul Davies)

Speaker, TUMIC Cancer Metastasis Meeting, Champalimaud Center. June 25-28, 2011, Lisbon (Invited by Pr. Jonathan Sleeman)

Lecture, Australian-Singapore Gyne-oncology meeting Aug 26, 2011 (Invited by Pr. Mahesh Choolani)

Lecture, French Cancer Agency Meeting Sept 17, 2011 Pasteur Institute, France (Invited by Fabien Calvo)

Speaker, European ECCO-ESMO joint internal meeting Sept 23-28, 2011, Stockholm (Invited by Organizers)

Lecture, Annual Cancer Meeting. Oct 2-5, 2011, Nagoya Japan (Invited by Sachiko Tsukita)

Organizer, International meeting of the EMT Society. Oct 7-10, 2011, Singapore

Organizer, Frontiers in Cancer Science Symposium CSI NUS Nov 2-5, 2011, Singapore

Speaker, MBI International Symposium. Nov 9-12, 2011 Singapore (Invited by Prof Michael Sheetz)

Plenary lecture, Madrid Annual breast cancer conference Nov 16-17, 2011, Spain (Invited by Organizers)

Speaker, Ludwig Institute. Nov 2, 2011, Oxford (Invited by Prof Xin Lu)

Lecture, Sanger Center. Nov 30, 2011, Cambridge (Invited by Prof Michael Stratton)

2012

Lecture Comprehensive Cancer Center San Francisco February 6 2012 (Invited by Prof Frank McCormick)

Lecture, Brain storm session on Cancer NCI -sponsored Phoenix February 7-9, 2012 (Invited by Prof Paul Davies)

Coorganizer A*STAR-China Singapore Cancer symposium March 6-8th

Lecture on cancer EMT Institut Pasteur Hong Kong April 23-26th (Invited by Dr Roberto Bruzzone)

Lecture 1st Thrombogenesis Oncology workshop Leuven June 19, 2012 (Invited by Dr Koen Kas)

Lecture 2nd Ovarian Carcinoma Symposium Singapore June 29 2012 (Invited by Dr Ruby Huang)

Lecture Cancer Lyon July 4th 2012 (Invited by Prof Alain Puisieux)

Chairman and Lecture European Association for Cancer Research Barcelona July 7-10 (Invited by Organizers)

Lecture International Metastasis research Society September 2-6th Brisbane (Invited by Prof Sue Eccles)

Lecture Advances in circulating tumor cells September 26-29 Athens (Invited by Prof Evi Lianidou)

Organizer and Chairman of the 4th Frontiers of Cancer Science Meeting Nov 5-8 Singapore

Lecture 13th International congress of Biochemistry and Molecular Biology November 26-29 Bangkok (Invited by Prof Tuangporn Suthiphongchai)

The Robert Smith Annual Lecture MD Anderson Cancer Center Dec 3-5 Houston (Invited by Prof Raghu Kalluri and Prof Joshua Fidler)

Lecture Dpt of Pharmacology Yale University Dec 6 -9 (Invited by Prof Joseph Schlessinger)

2013

Lecture In honor of the retirement of Prof Oystein Fodstat Oslo Cancer Center Jan 9 Oslo (Invited by Prof Erik Boye)

Lecture 2nd Second International Congress: "World's Future and Frontiers of Science, Technology, Humanities and Citizenship" Jan17-21 Santiago de Chile (Invited by Mr Senator Guido Girardi Lavin)

Lecture First annual Symposium on personalized medicine and targeted therapies in cancer Jan 31- Feb 2 Sharjah Emirate (Invited by Dr Salem Chouaib)

Lecture Gordon conference on cell contact and adhesion June 5-10 Ciocco Italy (Invited by Prof Kowalczyk)

Lecture International Conference on Natural Products and Health Sep 5-7 Nanyang Technological University Singapore (Invited by Prof Tam)

Lecture Conference on circulating tumor cells Sept 23-

28 Paris (Invited by Prof Jean Yves Pierga)

Lecture Global Breast Cancer Conference Seoul October 10-12 (Invited by organizers)

Organizer and Chairman of the 5th Frontiers of Cancer Science Meeting Nov 5-8 Singapore

Committee member of, International meeting of the EMT Society. Nov 10-16, 2013, Alicante Spain

International symposium Trope- Kostad on ovarian carcinoma dec 5-8 2013 Oslo (Invited by Claes Trope)

Lecture Cancer UK Manchester (Invited by Caroline Dive) December 9-11, 2013

Lecture Stem Cell Institute Stanford University (Invited by Michael Clarke) December 13-16, 2013

2014

Lectures 1. Seoul National University Advanced Institutes of Convergence Technology 2. Yonsei University Health System 3. International meeting on tumor microenvironment GCRC January 21-13, 2014

Lecture Department of Biochemistry NUS Singapore February 3, 2014 (Invitation Prof Yunn Gan)

Lecture Grand round NUHS Singapore (Invitation Dr Siew Eng LIM) Singapore February 18, 2014

Lecture Breast Cancer Asia Pacific Breast Cancer Submit Sangri La Singapore (Invitation Prof Rebecca Dent) February 22-23, 2014.

Lecture Pohang University Korea (Invitation Prof Jusang Doh) May 1, 2014

Lecture Cancer Research Institute Hamburg (Invitation Prof Klaus Pantel) June 18, 2014

Lecture Institut Jacques Monod Paris June 19, 2014 (invitation Dr Rene Marc Mege)

Plenary lecture Gordon conference on adhesion receptors, Lewiston USA (Invitation Martin Humphries Chairman) June 22-27 2014

Lecture 1st symposium NCIS NUHS Singapore (Invitation Organizers) July 4, 2014

Plenary lecture Seoul World Molecular Imaging Congress of imaging (Invitation Prof Anna Wu) September 14-16 2014

Lecture 2nd International Symposium on Advances in Circulating Tumor Cells (ACTC): From Basic Research to Clinical Practice (Invitation Prof Evi Lianidou)

October 8-11, 2014.

Chairman and lecturer of the 6th Frontiers of Cancer Science Meeting Nov 3-5 Singapore

Lecture School of Medicine, Busan National University Korea (invitation Prof Bae) November 12, 2014

Lecture, Busan National University Hospital Korea (invitation Prof Bae) November 13, 2014

Lecture International RCWC breast cancer symposium Seoul Korea (Invitation Prof Kim) November 14, 2014

Lecture EORTC-NCI-AACR Barcelona (Invitation Lecture Annual Cancer Biology Symposium University of Bergen (invitation Pr James Lorens) Bergen May 19-20, 2015

Organizers) November 18-21, 2014

2015

Lecture Joint symposium in Urology Kanagawa NUS (invitation Organizers) Singapore January 19-20, 2015

Lecture Circulating Tumor Cell symposium Brisbane (Invitation Prof Rik Thompson) March 24-25, 2015

Lectures National Taiwan University, (invitation Andrew Woo) Taipei Taiwan April 28-30, 2015

Lecture Cancer symposium (invitation Dr James Lorenz) Bergen Norway May 18-22 2015

SHORT- AND LONG-TERM FELLOWSHIPS

- Jan 1975 - Dec 1977:** The Rockefeller University (New York), Laboratory of Pr. EDELMAN
Feb 1975: The Jackson Laboratory (Bar Harbor, Maine), Laboratory of Dr. STEVENS
July 1975: Cold Spring Harbor, Cell Culture Course,
July 1978: The Max Planck Institute (Tübingen), Laboratory of Dr. SCHWARTZ
March 1979: The Rockefeller University (New York), Laboratory of Pr. EDELMAN
Oct 1979: The Max Planck Institute (Tübingen), Laboratory of Dr. SCHWARTZ
July 1980: The Rockefeller University (New York), Laboratory of Pr. EDELMAN
Feb 1981: International Laboratory of Embryology, Utrecht (Holland),
Feb 1983: The Rockefeller University (New York), Laboratory of Pr. EDELMAN
July 1985: The Rockefeller University (New York), Laboratory of Pr. EDELMAN
Aug 1986: The Neurosciences Institute (New York)
Feb 1988: The Neurosciences Institute (New York)

FORMER COLLEAGUES

TENURED SCIENTISTS

Serge CHAMPION Maître de Conférence Université de Reims, 1981 - 1987
Gordon TUCKER CR1 INSERM 1984 - 1992.
Beat IMHOF CR1 CNRS, 1986 – 1990
Jean-Loup DUBAND DR2 CNRS 1985 - 1993
Brigitte BOYER DR2 CNRS 1985 – 2000
Pierre SAVAGNER CR1 CNRS 1986 - 1996
Giovanni LEVI CR1 CNRS 1987 - 1993
Dominique DUNON Maître de Conférence, Ecole Normale Supérieure, 1987 - 1989
Ana Maria VALLES CR1 CNRS 1991 – 2000
Lionel SIMONNEAU CR1 INSERM 1991 – 1997
Victor KOTELIANSKI DR2 INSERM 1990 – 1996
Catherine SAVONA Chercheur détachée, Maître de Conférence Université de Bordeaux, 2000 - 2002.

POSTDOCTORAL FELLOWS

Roberto ROVASIO Argentina, 1980 - 1982.
Michel VINCENT Canada, 1981 - 1983.
Hirohiko AOYAMA Japon, 1982 - 1984.
Thomas POOLE USA, 1983 - 1984.
Beat IMHOF Switzerland, 1984 - 1986
Brigitte BAUVOIS France, 1986 - 1989
Jelena GAVRILOVIC United Kingdom 1987 - 1989
Ana Maria VALLES USA, 1987 - 1991
Alejandro GUTMAN Argentina, 1988
François RADVANYI France 1988 - 1989
Florence BRODERS France 1988 - 1989
Annie MOLLA France, 1989 - 1990
Lionel SIMONNEAU France, 1990 – 1991
Carlo TACCHETTI Italy, 1990 - 1991
Jean-Pierre SAINT JEANNET France, 1990-1992
Sixt. GIL DIEZ DE MEDINA Chili 1998 - 2000
Daniel LAZARD France, 1991 - 1992
Maria Luisa FARALDO Spain, 1994 - 2002
Wen-Pin WANG China, 1994 - 1995
Katalin KOCSIS, 1995
Richard ASHER United Kingdom 1996 - 1997
Ivan COULTER Ireland, 1997 - 1999
Xia MENG China, 1997 - 1999.
Emiliana GIACOMELLO Italy, 1999 - 2001
Bassam JANJI Syrie, 2000 – 2002.
Kunchala SHRIDHAR RAO India 2000 - 2001.
Matthew MORGAN United Kingdom, 2001 - 2004
Armelle LOGIE France, 2001 – 2003
Jacqueline VELTMAAT The Netherlands, 2001 - 2003

Powrnima JOSHI India, 2002
Bertrand BRASSART France 2002 - 2004
Rachel MUDGE Australia, 2002 - 2004
Clara MARTINEZ-RICO Spain, 2002 - 2006
Isa. BERNARD-PIERROT France, 2002 - 2003
Ilaria TADDEI Italy, 2002 – 2007
Karine RAYMOND, France 2006-2008
Eva TOMASKOVIC-CROOK, Australia 2007-2009
Ma JING, Chinese 2007-2009
Victor RACINE France 2007-2010
Ariane HERTZOG France 2007-2010
Yeh Shiu CHU Taiwan 2007-2012
Andrea PILLAI Singapore 2007-2012
Chen LIMING China 2010--2013
LI Xinhua Singapore 2012-2013

MEDICAL DOCTORS

Antoine CARPENTIER
MD, DEA Embryologie, 1990 - 1991
Jean-Michel RODIER
MD, DEA Endocrinologie et Interactions Cellulaires, 1991 – 1992
Emmanuelle STRAMANDINOLI
MD, DEA Neurobiologie Sensorielle, 1994 - 1995
Sylvie RATEL-SABY
Chief of Clinic, DEA Paris 7, 1997 - 1998.
Mehdi KAROUI
Surgeon, MS and PhD Paris 11, 1998 - 2003.
Marie-Aude LEFRERE-BELDA
Anatomocytologiste, PhD 1998 - 2002
Jean-Yves PIERGA
MD Medical Oncologist, Doctorat, 1998 -2003
Marie-Hélène AUBRIOT-LORTON
Médecin, DEA, 1999 - 2000.
Christophe TRESALLET
Chirurgien, DEA Paris 11, 1999 - 2000.
Franck VANDENBROUCKE
Chirurgien, DEA Paris 11, 2000.
Aude BRAMS
Chirurgien, DEA et Doctorat Paris 11, 2000 – 2003
Olivier LEVREL
Anatomocytologiste, DEA Paris 11, 2001 – 2002
Fabien REYAL
Chirurgien, Doctorat 2002 – 2004
Marc BOLLET
Médecin spécialiste doctorat 2005-2007
Leila LEFEBVRE
Interne oncologie médicale M2 cancérologie 2004-2005
Ruby HUANG
Resident in Surgery 2007-2009

PROFESSORS ON SABBATICAL VISIT

Alberto KORNBLIHTT

Associate Professor, CONICET, Buenos Aires, Argentina, Oct 1987-March 1988, Oct 1988, March 1990, Oct-Nov 1990, Nov 1991.

Michael MATTHAY

Associate Professor of Medicine and Anesthesia, University of California, Cardiovascular Research Institute, San Francisco. June 1991-June 1992.

Mina BISSELL

Professor of Cell Biology, University of California, Berkeley; Director of research at CNRS
Oct 1992-Sept 1993

Zena WERB

Professor of Anatomy, University of California, San Francisco. April-July 1998.

Avri BEN-ZE'EV

Associate Professor, Department of Molecular Cell Biology, Weizmann Institute of Science, Rehovot, Israel. July-Oct 1999.

Zvi KAM

Professor, Weizmann Institute of Science, Rehovot, Israel. August-Dec 1999.

Bill THOMAS

Associate Professor, Colby-Sawyer College, Department of Natural Sciences, New Hampshire. August 1999-July 2000 / June-July 2001 / July 2002/July 2003/July 2004/ July 2005/ July 2006

David WARBURTON

Professor of Pediatrics, Surgery & Craniofacial Molecular Biology. Children's Hospital Los Angeles Research Institute, Department of Surgery, Los Angeles, California. June-August 2000.

Eli KESHET

Professor at the Hebrew University-Hadassah Medical School, Department of Molecular Biology, Jerusalem, Israel. July-Sept 2000.

Daniel MEDINA

Professor at the Baylor College of Medicine, Department of Cell Biology, Houston, Texas. March-June 2001/ June 2005.

James WESTON

Professor. Institute of Neurosciences, University of Oegon, Eugene, Oregon, USA. April – Sept 2002

Eytan DOMANY

Professor Department of Physics of complex systems, The Weizmann Institute of Science, Rehovot, Israel. Aug-Oct 2003.

DIPLOMES D'ETUDES APPROFONDIES (1st YEAR Ph.D.)

1979

Jean-Loup Duband
Saidi Ben Slimane

Christophe Tresallet
Marie-Hélène Aubriot-Lorton
Franck Vandembroucke

1983

Gordon Tucker
Pierre Savagner

2001

Aude Brams
Marianne Tuefferd
Séverine Lair

1985

Eric Krejci

2002

Nicolas Stransky
Olivier Levrel
Olivier Courjean

1990

Muriel Delannet

1991

Saverio Bellusci
Antoine Carpentier

2003

Marie Breau

1992

Jean-Michel Rodier

2004

Virginie Dupont
Sylvain Vigier

1993

Brigitte Deguen

2005

Mejdi Moumen

1995

Mathilde Grassi
Olivier Morali

1996

Jérôme Vallin
Anne Viguier
David Ricol
Fabienne Lesueur
Delphine Peyriga

1998

Thomas Pietri
Natacha Edme

1999

Alice de Maximy

2000

Emilie Perret
Clotilde Billotet
Claire Dunois
Arnaud Mailleux
Jérôme Teulière

THESES (Ph.D.)

Liliane Leben

Thèse de troisième cycle (October 1979)

Jean-Loup Duband

Thèse de troisième cycle (September 1981)

Roberto Rovasio

Thèse d'Université (October 1982)

Saidi Ben Slimane

Thèse de troisième cycle (December 1982)

Gordon Tucker

Thèse de Docteur Ingénieur (October 1984)

Pierre Savagner

Thèse d'Université (December 1986)

Jean-Loup Duband

Thèse de Doctorat d'Etat (May 1987)

Sylvie Dufour

Thèse d'Université (June 1987)

Florence Bois

Thèse d'Université (March 1990)

Catherine Dargemont

Thèse d'Université (October 1990)

Zita Prakapas

Thèse d'Université (October 1993)

Saverio Bellusci

Thèse d'Université (December 1994)

Alice Beauvais-Jouneau

Thèse d'Université (December 1996)

Sixtina Gil Diez de Medina

Thèse d'Université (December 1997)

David Cappellen

Thèse d'Université (December 1998)

Mathilde Grassi

Thèse d'Université (June 1999)

Valérie Petit

Thèse d'Université (December 1999)

Olivier Morali

Thèse d'Université (December 2000)

Jérôme Vallin

Thèse d'Université (September 2001)

Ahmed El Marjou

Thèse d'Université (November 2001)

David Ricol

Thèse d'Université (September 2002)

Marie-Aude Le Frère-Belda

Thèse d'Université (December 2002)

Thomas Pietri

Thèse d'Université (September 2003)

Jean-Yves Pierga

Thèse d'Université (September 2003)

Emilie Perret

Thèse d'Université (March 2004)

Arnaud Mailleux

Thèse d'Université (March 2004)

Clotilde Billottet

Thèse d'Université (March 2004)

Jérôme Teulière

Thèse d'Université (September 2004)

Yeh-Shiu Chu

Thèse d'Université (September 2005)

Marie Breau

Thèse d'Université (June 2007)

Ariane Hertzog

Thèse d'Université (December 2007)

Marc Bollet

Thèse d'Université (December 2007)

Erdem Tabdanov

Thèse d'Université (September 2008)

Raymond Lee

PhD thesis NUS (May 2012)

Sim Wen Jing

Phd Thesis NUS (May 2014)

FINANCIAL SUPPORT

Previous Financial Support in France has included:

Centre National de la Recherche Scientifique (CNRS)
Institut Curie
French National Cancer Institute
Association pour la Recherche Contre le Cancer (ARC)
Ligue Nationale contre le cancer (Affiliated lab)
The European Community FP6
The National Institutes of Health (NIH), Bethesda R01 grants
March of Dimes birth defects, New York
Human Frontiers Science Program Organization (HFSP) Pierre Fabre Oncology
Sanofi-Aventis
AstraZeneca

Current Financial Support in Singapore

Core Grant A*STAR (Annual Renewal)
Core Grant CSI (Annual renewal)
Start Up grant School of Medicine NUS (2012-2014)
A*STAR New Zealand Grant (2011-2013)
JCO Development Grant (2012 -2015)
Ministry of Education (Tier2 grant 2013-2015)
Bedside Bench grant NMRC (2013-2015)
NCIS Center grant (2013-2016)
NCIS Yong Siew Yoon Research Grant (2014-2015)

COLLABORATIONS

International

MA Glukhova: “Mammary gland stem cells” UMR 144 CNRS Institut Curie Paris France

S Dufour: “Biophysics of cell adhesion”; “Neural crest cell migration” UMR 144 CNRS Institut Curie Paris France

P. Nassoy and F. Brochard: “Force measurements between cadherin-expressing cells” UMR 168 CNRS-Institut Curie Paris France

JY Pierga: “Micrometastatic disease in breast carcinoma” Medical Oncology Hospital, Institut Curie France

M.Colombel “Bladder carcinoma Biomarkers” Hopital Edouard Heriot Lyon France

J Weston: “Neural crest; origin and fate”, University of Oregon, USA

K Pantel: “Breast tumor micrometastasis”, Medical School Hamburg, Germany

J. Nesland and B. Davidson: “Ovarian carcinoma”, The Radium Institute, Oslo, Norway

S. Bershadsky: “Cadherin dependent signaling” The Weizmann Institute of Sciences, Rehovot, Israël

E Domany: “Pathway identification in human carcinoma by bioinformatics approaches” The Weizman Institute Rehovot Israel

R Thompson: Basal subtype breast carcinoma” University of Melbourne Clinical Science building St Vincent Hospital, Australia

S. Hanash: “Proteomics of carcinoma” MD Anderson Cancer Center Houston, USA

V Kotelianski and R Bogorad: “Liposomes for liver targeting” The Koch Institute MIT Cambridge, USA

Hong Koo, Ha: “Bladder cancer Biomarkers” Busan Medical School Korea

Burkhard Beyer: “Bladder cancer Biomarkers” Hamburg University Hospital Germany

Alexandre de la Taille : « Bladder cancer Biomarkers » Hopital Henri Mondor Creteil France

Singapore

M Choolani: “Ovarian carcinoma” Dept Obstetrics and Gynecology NUHS

Y Itoh: “Runx3 Tumorsuppressor” CSI NUS

BC Goh and SC Lee “EMT reversal and tumor resistance” CSI NUS

A Prem Kumar “Breast cancer Biomarkers” CSI NUS

M. Sheetz, V. Viasnoff: “Mechanobiology of cell adhesion” Mechanobiology Institute

M K Park: “Bladder carcinoma Biomarkers” Institute of Microelectronic A*STAR

E. Chung: “Bladder carcinoma Biomarkers” Department of Urology NUHS

TW Chong “Bladder carcinoma Biomarkers” Department of Urology SGH

CT Lim: “Breast cancer circulating cells” Mechanobiology Institute

R Kamm “Screens for Drugs interfering with EMT in microfluidics” SMART MIT NUS

D Virshup “Wnt signaling in ovarian carcinoma” Duke NUS

V Kuznetsov “Development of algorithms” Bioinformatics Institute A*STAR

A Choo “Therapeutic antibodies in ovarian carcinoma” Biotechnology Institute A*STAR

**Molecular Controls of Morphogenesis and Tumor Progression
IMCB, A*STAR and Cancer Science Institute, NUS Singapore**

THIERY Jean Paul

PI

I. Mechanochemistry of cell adhesion; epithelial cell plasticity

Engl Wilfried	Postdoc, MBI
Darwesh Aladin	Postdoc, MBI
Weimiao Yu, Ph.D	Postdoc, imaging core (part time)
Sim Wen Jing, BSc, Hon.	PhD Student

II. Neural crest ontogeny

Ong Wei En, Joanne	Lab Biologist
---------------------------	----------------------

III. Normal and cancer stem cells; oncogenic pathways and therapeutic strategies in breast and ovarian carcinoma

Kumar Prashant	Postdoc
Nicole Tsang, Ph.D	Postdoc
Keira Herr, Ph.D	Postdoc
Nandi Sayantani	Research Assistant
Aloysius Ng	Research Assistant
Lim Yi Hui Mellissa	Research Assistant
Cancer Science Institute NUS	
Huang Ruby, MD	Clinician Scientist CSI, NUH
Tan Tuan Zea, Tony	Postdoc
Meng Kang,	PhD student
Win Yee Chung	PhD Student
Miow Qing Hao Eddy	PhD Student
Tan Ming	PhD Student
Jane Antony	PhD Student
Mohammad Asad	Research Assistant
Ye Jieru	Research Assistant
Tang Hei Mui	Research Assistant

D. Conclusion

Numerous Ph.D. students and postdoctoral fellows have been trained in my laboratory. More than 25 MDs (MDs in residence, clinical heads and surgeons) have received complementary training in molecular cell biology of tumors. My laboratory has been responsible for the establishment of a Ph.D. school in oncology in France. The laboratory is conducting long-term projects to analyze the molecular mechanisms of epithelial cell plasticity during development and tumor progression. Some of these studies have reached a stage which permits clinical applications, particularly in bladder and breast cancers. My laboratory has established much international collaboration and has welcomed sabbatical Professors. The past research activities were supported by national and international granting agencies and by the pharmaceutical industry.

We pursue the same goals in Singapore for the benefits of the scientific and medical communities and last, but not least, for cancer patients.