

CURRICULUM VITAE

BLANPAIN, Cédric

Born in **Uccle, Belgium, September 6th 1970**

Nationality: **Belgian**

Address

Laboratory of Stem Cells and Cancer

Université Libre de Bruxelles (ULB)

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Education and academic position

-2017: Director of the laboratory of stem cells and cancer

-2013: Professor (“Professeur Ordinaire”) at the Université Libre de Bruxelles

-2012-2013: Full professor (“Professeur”) at the Université Libre de Bruxelles

-2006-2012: Chercheur qualifié (Tenure Assistant Professor) and independent group leader of the Belgian Research National Scientific Fund (FNRS) at the Interdisciplinary Research Institute (IRIBHM), ULB, Belgium.

-2002-2006: Post-doctoral fellow in the Laboratory of Mammalian Cell Biology and Development, Pr. Elaine Fuchs at the Howard Hughes Medical Institute, The Rockefeller University, New York, USA as a long-term research fellow of Human Science Frontier Program Organization (HSFPO) (2003-2006), of the NATO (2002-2003) and the Belgian American Educational Foundation (BAEF) (2002-2003)

-2002: Board Certified Internal Medicine, ULB, Belgium

-2001-2002: Residency in Medical Genetics, Hôpital Erasme, Brussels, ULB, Belgium.

-2001: PhD in Medical Science, ULB, Supervisor: Pr Marc Parmentier “Etude des relations structure-fonction de CCR5 et ses ligands”.

-1997-2001: Research Fellow of the Belgian National Research Scientific Fund (FNRS) at the Interdisciplinary Research Institute (IRIBHM), Medical School, ULB, Belgium.

-1995-97: Residency in Internal Medicine, Hôpital Erasme, Brussels, ULB, Belgium.

-1995: MD graduated from Medical School of the Université Libre de Bruxelles (ULB, Belgium) with summa cum laudae.

Awards

- Francqui Prize 2020
- ERC Advanced Grant (2020-2025)
- Fondation AstraZeneca award 2019 – from the Académie Royale de Médecine de Belgique (ARMB) and Koninklijke Academie voor Geneeskunde van België (KAGB)
- Fondation contre le cancer Award 2017
- Elected member of Academia Europaea 2016
- Elected member of the Belgian Royal Academy of Medicine 2015
- Joseph Maisin Scientific Prize for Fundamental biomedical sciences - quinquennial (every five years) award of the Belgian National Scientific Research Fund (FNRS) 2015
- ERC consolidator grant (2014-2019)
- Selected by Nature as one of the 10 scientists who mattered in 2012
- Liliane Bettencourt Award for life Sciences 2012
- EMBO member 2012
- Wallonia Region Medal (Officer) 2012
- Outstanding Young Investigator Award International Society of Stem Cell Research (ISSCR) 2012
- Chair Bauchau award 2012
- Fonds Gaston Ithier Award 2010
- Fondation ULB award 2010
- EMBO Young Investigator award 2009
- Fonds Gaston Ithier award 2009
- ERC Starting Grant (2008-2013)
- Recipient of a research grant from the Schlumberger Foundation for Education and Research (FSER) (2007-2009)
- Recipient of a Career Development Award from the Human Science Frontier Program Organization (HSFPO) (2006-2009)
- Recipient of the Galien Award of Pharmacology 2001
- Recipient of an award of the Belgian sport association against cancer 2000
- Second Special Award 1995 (Award for the second most outstanding student for the all course of medical school)
- Floris Mercier Award 1992 (Award for the most outstanding medical student of the year)

Grants and Fellowships

- European Commission Horizon 2020 Marie Skłodowska-Curie Innovative Training Networks : “Evomet - Deconstructing the evolution of metastasis” (2021-2025)
- ERC Advanced Grant: “TrackingTumorStates - Tracking and Targeting Tumor States at single-cell resolution in real time in vivo” (2020-2025)
- Belgian Research National Scientific Fund (FNRS) grant : Projet de recherche Télévie “Defining the heterogeneity of cancer-associated fibroblasts in the regulation of EMT, metastasis and resistance to therapy” (2020-2022)
- Belgian Research National Scientific Fund (FNRS) grant : PDR-Thema cardiovascular diseases “Identification of the molecular mechanisms controlling the cardiovascular progenitors that are deregulated in congenital heart diseases” (2020-2023)
- Principal investigator of the Walloon Excellence in Lifesciences and biotechnology (WELBIO) 2019-2021 - Continuation grant “Mechanisms controlling EMT related tumor heterogeneity”

- FRQ-FNRS Québec–French Community of Belgium grant: collaborative research project “MESP1-Dependent Transcriptional Complexes Underlying Cardiac and Muscle Stem Cell Fate” (2019-2022)
- Belgian Research National Scientific Fund (FNRS) grant: Projet de Recherche “Defining the role of epigenetic regulation in skin cancers” (2019-2023)
- Research grant of the Belgian Foundation against cancer: “Clinical relevance of a novel and universal marker of solid tumors” (2019-2022)
- Concerted Research Actions (ARC): “Defining the role of key epigenetic regulators during cancer development” (2018-2023)
- Belgian Research National Scientific Fund (FNRS) grant: Projet de recherche Télévie “Conserved gene network promoting Kras mediated tumorigenesis” (2018-2020)
- Université libre de Bruxelles - Fonds Génicot (2018-2019)
- Fondation Wiener-Anspach: collaborative research project “Defining the molecular consequences of mutations that disrupt early heart development” (2018-2020)
- Welbio Bridge Fund “Detection or isolation of tumor cells” (2017-2019)
- Research grant of the Belgian Foundation against cancer “Mechanisms regulating metastasis-initiating cells in squamous cell carcinoma” (2017-2020)
- Principal investigator of the Walloon Excellence in Lifesciences and biotechnology (WELBIO) 2015-2019 “Mechanisms regulating tumor heterogeneity”
- Belgian Research National Scientific Fund (FNRS) “BeFIT” project (2016-2019)
- Fondation Leducq Network grant: “22q11 Deletion Syndrome: Novel Approaches to Understand Cardiopharyngeal Pathogenesis” (2016-2020)
- Fonds Erasme pour la Recherche Médicale: “Comprehensive analysis of tumor heterogeneity in-patient-derived xenograft (PDX) and its implications for personalized medicine” (2015-2021)
- Belgian Research National Scientific Fund (FNRS) grant: Projet de Recherche “Functional analysis of the genetic drivers of squamous cell carcinoma” (2015-2019)
- Worldwide Cancer Research grant: “Uncovering the cellular and molecular basis of tumor heterogeneity in skin squamous cell carcinoma” (2015-2018)
- ERC consolidator grant: “EXPAND-Defining the cellular dynamics leading to tissue expansion” (2014-2019)
- Belgian Research National Scientific Fund (FNRS) grant: Projet de Recherche “Defining the transcriptional network regulating cutaneous cancer stem cells” (2013-2017)
- Belgian Foundation against cancer Research grant: “Mechanisms regulating cancer stem cells during skin tumour initiation and progression” (2013-2016)
- Belgian Science policy PAI (Belgian collaborative research): “Cancer cells and their microenvironment: from gene regulatory networks to therapy” (2012-2017)
- Concerted Research Actions (ARC): “Role of inflammation during skin cancer progression” (2012-2015)
- Belgian Research National Scientific Fund (FNRS) grant: “Mechanisms regulating multipotent cardiovascular progenitors during embryonic development in mice” (2012-2015)
- Principal investigator of the Walloon Excellence in Lifesciences and Biotechnology (WELBIO) “Stem cells and skin cancer” (2011-2015)
- Belgian Research National Scientific Fund (FNRS) grant: “Studying the role of cancer stem cells during cancer initiation and growth” (2009-2013)
- Research grant of the Belgian Foundation against cancer: “Defining the role of stem cells during cancer initiation, growth and relapse after therapy” (2009-2012)
- Participant in the grant CIBLES from the « Programme d'excellence » of the Walloon Region (2008-2012)
- ERC Starting Grant: “CancerStem - Stem cells in epithelial cancer initiation and growth” (2008-2013)

- Belgian Research National Scientific Fund (FNRS) young investigator research grant (MIS): “Stem cells in skin cancer initiation and growth” (2006-2009)
- Career Development Award from the Human Science Frontier Program Organization (HFSPO) (2006-2009)
- Recipient of a tenure position as « chercheur qualifié » (Assistant Professor) of the Belgian Research National Scientific Fund (FNRS) at the Interdisciplinary Research Institute (IRIBHM), ULB, Belgium (2006-2012)
- Recipient of a Long-term fellowship of Human Science Frontier Program Organization (HSFPO) (2003-2006)
- Recipient of a research fellowship of NATO (2002-2003)
- Recipient of a research Fellowship of the Belgian Research National Scientific Fund (FNRS) (1997-2001)

Supervision of PhD theses

- Sophie Dekoninck. Defining the molecular and cellular mechanisms underlying wound repair and postnatal growth in the mouse epidermis, March 2020.
- Farida Benhadou. Epidermal autonomous VEGF/FLT1/NRP1 functions mediate psoriasis like disease, October 2019.
- Larsimont, Jean-Christophe. Identification of the molecular mechanisms involved in the initiation, invasion and maintenance of basal cell carcinoma, June 2018.
- Wuidart, Aline. Defining the mechanisms regulating the switch from multipotency to unipotency during mammary gland development, January 2018.
- Karambela, Andriana. The Role of DNA Damage in Skin Stem Cells, June 2017.
- Boumahdi, Soufiane. Identification of molecular mechanisms regulating cancer stem cell functions and tumor heterogeneity in skin squamous cell carcinoma, April 2017.
- Chabab, Samira. Defining the Regional and Lineage Contribution of Early Mesp1 Cardiovascular Progenitors During Mammalian Heart Development, May 2016.
- Chiapparo, Giuseppe. Mechanisms regulating cardiovascular progenitor specification and migration, December 2015.
- Mascre, Guilhem. Identifying the cellular origin of Merkel Cells and the mechanisms regulating epidermis homeostasis and repair, June 2013.
- Candi, Aurélie. Cellular and molecular mechanisms underlying the maintenance of genomic integrity in epidermal stem cells. January 2013.
- Kass Youssef, Khalil. Identification of cellular origin and molecular mechanism in basal and squamous cell carcinomas, October 2012.
- Bondue, Antoine. Mesp1 functions in multipotent cardiovascular progenitor specification, May 2009.

Biotechnology

- Consultant at Genentech, San Francisco, USA
- Founder of ChromaCure SA, Belgium

Editorial Board of peer-reviewed journals

- The EMBO Journal
- The Journal of Cell Biology
- Cell Reports
- Stem Cell Reports
- Stem Cells
- Development

- EMBO molecular medicine
- Molecular Oncology
- Invited editor for Proc Natl Acad Sci U S A
- Guest editor for one issue on Epidermal Stem cells and development for Seminar in Cell and Developmental Biology
- Guest editor for one issue on Differentiation and Diseases on Current Opinion in Cell Biology 2016

Reviewer for peer-reviewed journals

- Nature
- Science
- Cell
- Nature Genetics
- Nature Cell Biology
- Nature Biotechnology
- Nature Medicine
- Nature Communications
- Cell Stem Cell
- Cancer Cell
- Genes & Development
- Nature Review Molecular and Cellular Biology
- Nature Review Cancer
- Proc Natl Acad Sci U S A.
- Journal of Cell Biology
- Journal of Cell Science
- Stem Cells
- PLOS Biology
- Lancet
- EMBO Journal
- Development
- Circulation Research
- Journal of investigative Dermatology

Reviewer of scientific grant agency and research department

- French CNRS/Inserm/ANR
- Swiss FNRS
- Belgian WTO/VIB
- European Research Council ERC
- Wellcome trust
- British MRC

International science policy

Member of the Life, Environmental and Geo-Sciences (LEGS) Scientific Committee of Science Europe, an association of European Research Funding and Research Performing Organizations.

Board member

- Member of the board of ChromaCure SA (2018-)

-Member of the board of the Bordet Hospital (2020-)

International Scientific Advisory Boards

-Member of the EMBO Membership Committee (2019-)

-International Scientific Advisory Board of the Institut national du Cancer (INCa), France (2015-)

- Member of the scientific committee of the Foundation Schlumberger for the Education and Research (FSER) (2015-)

- Member of the scientific committee of the Bettencourt-Schueller Foundation (2014-)

-International Scientific Advisory Board for the Cambridge Stem Cell Institute, UK (2011-), Chair: Austin Smith

-International Scientific Advisory Board of the Leibniz Institute for Age Research, Germany. Chair: Karl Lenhard Rudolph (2013-2019)

-Member of the scientific ERC commission for evaluating LS3 starting grant (2012/2014/2016/2018)

-International Scientific Advisory Board of the IGBMC, France (2013-2016)

-International Scientific Advisory Board of the Cancer Stem Cell Program at the Ontario Institute for Cancer Research. Chair: John Dick (2013-2014)

- President of the AERES evaluation of the department of Pr Hugues de Thé, Saint-Antoine, Paris, France, February 2013

- Member of the AERES evaluation of the department of Pr Edith Heard, Institute Curie, France, January 2013

- Member of the Scientific Advisory Committee of the Association for International Cancer Research (AICR) (2012-2016)

-International Scientific Advisory Board of the VIB DMBR Department Gent (Cancer and Morphogenesis), Chair: Franz Van Roy (2009)

National scientific committees

- Member of the scientific advisory committee of the Fonds Erasme (2013-2017)

- Member of the scientific advisory committee of the Fondation contre le cancer (2014-2026)

- Member of the scientific commission for life sciences at the Belgian FNRS (2009-2010)

Scientific Societies

-President of the Belgian Society for Stem Cell Research (BeSSCR) (2015-2016)

-Member of the International Society for Stem Cell Research (ISSCR)

-Member of the international affair committee of the International Society for Stem Cell Research (2014-)

-Member of the web advisory committee of the International Society for Stem Cell Research (2010-2013)

-Chair of junior investigator committee of the International Society for Stem Cell Research (ISSCR) (2010-2013)

Patents

-Detection, quantification and/or isolation of circulating tumor cells based on the expression of CD321 marker. Blanpain C, Sotiropoulou P, Pastushenko I. No: WO2018167312A, September 20th 2018.

- Generation of mesodermal cells from pluripotent stem cells. Blanpain C, Vanderhaeghen P, Tiberi L, Van Den Aemele J and Bondue A. No: WO2013010965A1, January 1st 2013.
- Tools for isolating and following cardiovascular progenitor cells. Blanpain, C and Bondue, A. No: WO2011091944A1 (also EP2529008A1, WO2011091945A1, US2012301445A1), August 4th 2011.
- MESP1 as a master regulator of multipotent cardiovascular progenitor specification and uses thereof. Blanpain C, Lapouge G and Bondue A. No: US2010330044A1, December 12th 2010.
- A method for isolating a self-renewing, multipotent, slow-cycling cell. Blanpain C, Lowry W, Tumber T and Fuchs E. The Rockefeller University. No: WO2005054445, June 16th 2005.

Scientific collaborations

- Francois Fuks, ULB, Belgium
- Christos Sotiriou, ULB, Belgium
- Véronique del Marmol, Dermatology, ULB, Belgium
- Sandrine Rorive and Isabelle Salmon, Pathology, ULB, Belgium
- Jean Christophe Marine, VIB/KUL, Belgium
- Benjamin Simons, Cambridge University, UK
- Thierry Voet KUL, Belgium
- Bertie Gottgens, Cambridge University, UK

Invited Lectures

- Speaker at the Pharmacology Seminar Series, University of California, San Diego, USA, November 2020.
- Keynote speaker at the 5th GDR Stem Cell meeting, GDR3740 network “Stem cells in vivo”, France, November 2020
- Speaker at the Cell Press webinar on lineage tracing in stem cells and developmental dynamics, September 2020.
- Speaker at the Institute of Genetics and Molecular Medicine (IGMM), The University of Edinburgh, Edinburgh, UK, March 2020
- Speaker at the INEM 2020 Symposium, Institut Necker Enfants Malades Hospital, Paris, France, February 2020
- Speaker at the New York University - Department of Biology, USA, February 2020
- Speaker at the Seminars in Clinical Research, The Rockefeller University Hospital, New York, USA, February 2020
- Speaker at the CNIO Distinguished Seminars 2019-2020, Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain, January 2020
- Speaker at the Institute for Research in Biomedicine seminar, Barcelona, January 2020
- Speaker at the PRBB-CRG scientific sessions, Barcelona Biomedical Research Park (PRBB), Barcelona, January 2020
- Speaker at the San Antonio Breast Cancer Symposium (SABCS) 2019, San Antonio, USA, December 2019
- Speaker at the Epigenetics Day organized by the Center for Epigenetics and Metabolism at the University of California, Irvine, USA, December 2019
- Speaker at the Stanford University Medical Center, USA, December 2019
- Speaker at the San Raffaele Hospital, San Raffaele University, Milan, Italy, November 2019

- Speaker at TEMTIA IX – the 9th EMT International Association Meeting, Kumamoto, Japan, November 2019
- Speaker at the Fundación Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain, November 2019
- EMBO Keynote Speaker at the 2nd joint EACR-MRS Conference Seed and Soil Mechanisms of Metastasis, Berlin, Germany, October 2019
- Keynote Speaker at the Vth International SOX Research Conference, L’Isle-sur-la-Sorgue, France, September 2019
- Keynote Speaker at Hydra XIV European Summer School on Stem Cell Biology and Regenerative Medicine, Hydra, Greece September 2019
- Speaker at the Basel life EMBO meeting, Basel, Switzerland, September 2019
- Speaker at the 16th Key Symposium: The Origin of Cancer, Stockholm, Sweden, September 2019
- Speaker at the Gordon Research Conference on Innovative Molecular, Cellular and System Approaches in Basic and Translational Epithelial Biology, Newry, USA, July 2019
- Speaker at the 31st Pezcoller symposium, Pezcoller Foundation, Trente, Italy, June 2019
- Speaker at the Differentiation therapy of cancer seminar, College de France, Paris, June 2019
- Speaker at the DRFZ (Deutsches Rheuma-Forschungszentrum), Max Planck Institute and Charité hospital, Berlin, Germany, May 2019
- Speaker at Cell symposia: regulatory RNAs 2019, Berlin, Germany, May 2019
- Speaker at the Lifetime initiative opening conference, Berlin, Germany, May 2019
- Speaker and Vice-Chair of the Gordon Research Conference on Developmental, Metabolic and (Epi)Genomic Mechanisms Driving Organogenesis and Tumorigenesis, Ventura, USA, March 2019
- Speaker at the 2019 IRM's Symposium on Cellular Plasticity, University of Pennsylvania – Institute for regenerative medicine, Philadelphia, USA, March 2019
- 2019 Francqui Chair holder, “Mechanisms regulating pluripotent stem cells”, Vrije Universiteit of Brussel, Belgium, February 2019
- Speaker at EACR-Nature conference Tracking Cancer: Detection and Monitoring, from Diagnosis to Therapy, Barcelona, Spain, February 2019
- Speaker at the Biomedicum Helsinki Seminar, Helsinki Institute for Life Science, Helsinki, Finland, January 2019
- Speaker at the Columbia stem cell initiative seminar, Columbia University Irving Medical Center, New York, January 2019
- Speaker at the Cancer Biology & Genetics Program Research Seminar, Memorial Sloan Kettering Cancer Center, New York, January 2019
- Speaker at the Nobel Conference on Epithelial-Mesenchymal Plasticity in Cancer Metastasis, Karolinska Institutet, Stockholm, December 2018
- Speaker at the Frontiers in Cancer Research Seminar, Tsinghua University, China, November 2018
- Speaker at the CSCB-EMBO young investigator conference, Suzhou, China, November 2018
- Keynote Speaker at the ESC Meeting Cardiovascular Development, Marseille, France, October 2018
- Speaker at the 118th international Titisee Conference, Foundation for Basic Research in Medicine, Germany, October 2018
- Speaker at the Cambridge Stem Cell Institute, University of Cambridge, UK, September 2018
- Speaker and organizer of the Stem Cells and Cancer Meeting, Les Treilles Foundation, Tourtour, France, September 2018

- Speaker at the Basel Stem Cell Network / Neurex Conference, Basel, Switzerland, August 2018
- Speaker at the Wellcome Trust meeting on Cell fate, Cambridge UK, June 2018
- Keynote lecture at the Gordon research conference on mammary gland biology, Italy, May 2018
- Keynote lecture ADELIIH congress "The origins Of Cancer: once upon a cell", Paris, March 2018
- Speaker at the Barcelona BioMed Conference on the mechanism of metastasis, Barcelona, Spain, March 2018
- Speaker at the Springer Nature Conference on Stem Cells and Organoids, Madrid, Spain, February 2018
- Speaker at the Perlmutter Cancer Center Research Seminar Series NYU, New York, January 2018
- Speaker at the Icahn School of Medicine at Mount Sinai, Tish Cancer Institute Seminar Series, New-York, January 2018
- Speaker at the Seminar Series "The epigenetics & stem cell", Helmholtz Center Munich, Germany, January 2018
- Speaker at the Vienna BioCenter, Research Institute of Molecular Pathology, Vienna, Austria, December 2017
- Speaker at the Société Française du Cancer, Faculté de Médecine Pierre et Marie Curie, Paris, France, November 2017
- Keynote Speaker at the annual meeting of the French Society for Stem Cell Research, Institut Pasteur, Paris, France, November 2017
- Speaker at the Konrad Lorenz Institute Workshop, Vienna, Austria, November 2017
- Keynote Speaker at the Hallmarks of Skin Cancer Conference, German Cancer Research Center (DKFZ), Heidelberg, Germany, November 2017
- Speaker at the Annual Richard Gardner lecture, Oxford, Great Britain, November 2017
- Speaker at the Congress of the Spanish Developmental Biology, Cell Biology, and Genetics Societies 2017, Gijon, Spain, October 2017
- Speaker at the EMBO (European Molecular Biology Organization) Workshop / LabEx Inform, Cargèse, France, September 2017
- Speaker at the ULB Cancer Research Center (U-CRC), Brussels, Belgium, September 2017
- Speaker at the Stem Cell Institute (SCI), KU Leuven, Belgium, September 2017
- Speaker at the Francis Crick Institute, London, United Kingdom, September 2017
- Speaker at the VIB Cancer Biology Lecture Series, VIB-KU Leuven Center for Cancer Biology, Leuven, Belgium, September 2017
- Speaker at the Developmental Biology Gordon Research Conference (GRC), Mount Holyoke, Massachusetts, USA, June 2017
- Plenary lecture at the International Society for Stem Cell Research (ISSCR) 2017 Annual Meeting, Boston, USA, June 2017
- Speaker at the European Molecular Biology Organization (EMBO) Conference, "Advances in stem Cells and Regenerative Medicine", Heidelberg, Germany, May 2017
- Speaker at the Gordon Research Conference (GRC) Epithelial differentiation and keratinization meeting, Pisa, Italy, May 2017
- Speaker at the American Association for Cancer Research Annual Meeting (AACR), Washington, USA, March 2017
- Speaker at the Institute of Genetics and Biophysics (IGB), Naples, Italy, March 2017
- Speaker at the Institut Pasteur, Paris, France, March 2017
- Speaker at the Collège de France, Paris, France, March 2017
- Speaker at the Stem Cells and Cancer Gordon Research Conference (GRC), Lucca (Barga), Italy, February 2017

- Keynote speaker at the GRS/students meeting of Stem Cells and Cancer Gordon Research Conference (GRC), Lucca (Barga), Italy, February 2017
- Speaker at the Institut de Biologie Paris-Seine (IBPS), Paris, France, January 2017
- Speaker at the Institut Curie, Paris, France, January 2017
- Speaker at the Keystone Symposia, Big Sky Resort, Montana, USA, January 2017
- Speaker at the SFB 873 Seminar Series 2016, German Cancer Research Center (DKFZ), Heidelberg, Germany, December 2016
- Speaker at the 2016 Cell Press Symposium on Hallmarks of cancer, Ghent, Belgium, December 2016
- Speaker at the Cancéropôle Colloquium, Cancéropôle du Grand Sud-Ouest / CNRS, Montpellier, France, November 2016
- Speaker at the VIB conference Advances in Cell Engineering, Imaging and Screening (ACEIS), Vrije Universiteit of Brussel, Belgium, November 2016
- Speaker at the NGS 2016 Benelux Conference and Data Analysis Workshop, Vrije Universiteit of Brussel, Belgium, November 2016
- Speaker at the Riken Center for Integrative Medical Sciences (IMS), Yokohama, Japan, November 2016
- Speaker at the 47th International Symposium of the Princess Takamatsu Cancer Research Fund, Osaka University, Osaka, Japan, November 2016
- Speaker at the Candiolo Cancer Institute, Turin, Italy, October 2016
- Speaker at the College de France, Paris, France, October 2016
- Speaker at the Cancer Research Institute of Ghent (CRIG), University of Ghent, Ghent, Belgium, October 2016
- Speaker at the 2016 Louis Jeantet Symposium, Louis-Jeantet Foundation, Geneva, Switzerland, October 2016
- Speaker at the BioMed Conference on “Epithelial transitions and Cell migration”, Institute for Research in Biomedicine (IRB), Barcelona, Spain, October 2016
- Speaker at the Cancer Research UK Cambridge Institute, University of Cambridge, Cambridge, United Kingdom, September 2016
- Speaker at the 2016 Francqui Chair “Mucosal and cutaneous allergy and immunology”, Vrije Universiteit of Brussel, Belgium, September 2016
- Speaker at the “Biologie & Clinique” Keynote seminar, INSERM, Marseille, France, September 2016
- Speaker at the 24th Biennial Congress of the European Association for Cancer Research (EACR), Manchester, United Kingdom, July 2016
- Speaker at the Advances in Stem Cell Biology Course, Institut Pasteur / Paris, France, July 2016
- Speaker at the “Plasticity of cellular Identity” Meeting, Les Treilles / Tourtour, France, May 2016
- Speaker at the Erasmus MC Seminar Series, Rotterdam, Netherlands, May 2016
- Speaker at the 6th European Association for Cancer Research (EACR)-Organisation of European Cancer Institutes (OECI) Joint Training Course, Amsterdam, Netherlands, May 2016
- Speaker at the Hinterzartener Kreis for Cancer Research Symposium, Cadenabbia, Italy, April 2016
- Speaker at the University of Pennsylvania, Philadelphia, U.S.A., April 2016
- Speaker at the Yale Stem Cell Center Seminar Series, University of Yale, New Haven, U.S.A., April 2016
- Speaker at the 2nd Mancunian Skin Club Annual International Workshop, Manchester, United Kingdom, April 2016
- Speaker at the Cancer Research Institute, Manchester, United Kingdom, February 2016
- Speaker at the Biotech Research & Innovation Centre (BRIC), Copenhagen, Denmark,

January 2016

- Speaker at the Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, January 2016
- Speaker at the CGC (Cancer GenomiCs) Meeting, Amsterdam, Netherlands
- Speaker at the Harvard Inaugural Skin Symposium, Boston, USA, November 2015
- Speaker at the Stem Cells of the Skin Symposium, Santander, Spain, October 2015
- Speaker at the 2nd International Symposium of the Cancer Research Center of Lyon (CRCL), Lyon, France, September 2015
- Speaker at the 45TH ESDR (European Society for Dermatological Research) Meeting, Rotterdam, Netherlands, September 2015
- Speaker at the 2015 Gordon Research Conference Novel Concepts in Epithelial Function and Therapeutics, Newry, Maine, USA, July 2015
- Speaker at the Advances in Stem Cell Biology Course 2014-2015, Institut Pasteur, Paris, France, July 2015
- Speaker at the VII-Else Kröner-Fresenius (EKF) Symposium 2015, Erice, Sicily, Italy, May 2015
- Speaker at the Nature Medicine-Volkswagen Foundation Meeting, Hannover, Germany, May 2015
- Speaker at the IMPAKT 2015 Meeting, Brussels, Belgium, May 2015
- Speaker at the Académie Royale de Belgique (ARMB), Brussels, Belgium, April 2015
- Speaker AACR (American Association for Cancer Research) Annual Meeting, Philadelphia, USA, April 2015
- Speaker at the EMBO/EMBL Symposium “Frontiers in Stem Cells and Cancer”, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany, March 2015
- Speaker at the SFB 850 / 2nd International Symposium “Control of Cell Motility in Development and Cancer”, University of Freiburg, Germany, March 2015
- Speaker at the University of Zurich, Zurich, Switzerland, March 2015
- Speaker at the “VIB/KULeuven Distinguished Lecture Series”, Leuven, Belgium, February 2015
- Speaker at the King’s College of London, DI International Seminar Series, Great-Britain, February 2015
- Speaker at the University of Colorado, MCDB (Molecular, Cellular & Developmental Biology Department) Seminar, Boulder, Colorado, USA, January 2015
- Speaker at the University of Utah School of Medicine Benning Medical Society Lecture Series, Salt Lake City, Utah, USA, January 2015
- Speaker at the Friedrich Miescher Institute (FMI), Basel, Switzerland, January 2015
- Speaker at the Johnson Comprehensive Cancer Center – Broad Stem Cell Research Center Seminar Series at UCLA, University California of Los Angeles, USA, November 2014
- Speaker at the Stanford Cancer Biology Seminar series, Stanford University, USA, November 2014
- Organizer and Speaker at Les Treilles Foundation “Stem Cells during development, homeostasis and diseases”, Tourtour, France, October 2014
- Speaker at the 2014 Louis-Jeantet Symposium, Geneva, Switzerland, October 2014
- Keynote Speaker at the EMBL (European Molecular Biology Laboratory) Conference on Stem Cells in Cancer and Regenerative Medicine 2014, Heidelberg, Germany, October 2014
- Keynote Speaker at the EMBO (European Molecular Biology Organization) Workshop “Cancer stem cells 20 years later: Achievements, controversies, emerging concepts and technologies”, Catanzaro, Italy, October 2014
- Speaker at the “Stem Cells and Cancer Conference 2014”, German Cancer Research Center (DKFZ), Heidelberg, Germany, September 2014

- Speaker at the 1st International Meeting “Building the Cell 2014”, Institut Pasteur, Paris, France, September 2014
- Speaker at the Belgian society for Stem Cell Research Symposium, Ghent, Belgium, September 2014
- Speaker at the FTNLS (Flemish Training Network Life Sciences) symposium 'From Science to Treatment Innovation in Cancer”, Brussels, Belgium, September 2014
- Speaker at the FEBS (Federation of European Biochemical Societies) / EMBO (European Molecular Biology Organization) 2014 Anniversary Meeting, Paris, France, September 2014
- Speaker at the EMBL Symposia “Epithelia: The building Blocks of Multicellularity”, Heidelberg, Germany, August 2014
- Speaker at the ABCD Meeting “Stem Cells, Development and Regenerative Medicine”, Salerno, Italy, June 2014
- Speaker at the EuroScience Open Forum (ESOF), Copenhagen, Denmark, June 2014
- Organizer and Speaker at “Mouse models of skin cancer” International meeting, Cancéropole Grand Sud-Ouest (GSO), Montpellier, France, May 2014
- Speaker at the Institut des Sciences de la Vie, Université de Louvain-la-Neuve (UCL-LLN), Louvain-la-Neuve, Belgium, May 2014
- Invited Speaker at the Albert Einstein – 2014 Stem Cell Symposium, New-York, USA, May 2014
- Speaker at the Institute of Stem Cell Research, Helmholtz Zentrum München, Munich, Germany, May 2014
- Speaker at University of Toronto, Canada, April 2014
- Speaker at University of Nice Sophia Antipolis, Nice, France, April 2014
- Speaker at the 31st Scientific Meeting / Belgian Society for Reproductive Medicine (BSRM), Mechelen, Belgium, March 2014
- Speaker at the Conference “Genes and Cancer 30th anniversary meeting”, Cambridge, UK, March 2014
- Speaker at the Master Class of the Maastricht University Medical Centre, Maastricht, Netherlands, March 2014
- Keynote Speaker at the Keystone Symposia, Banff, Canada, January 2014
- Speaker at the British Columbia Cancer Agency (BC Cancer Agency) Special Seminar, Vancouver, Canada, January 2014
- Speaker at the Gurdon Institute, University of Cambridge, UK, January 2014
- Speaker at the meeting of the Fondation René Touraine, Paris, France, November 2013
- Speaker at the TEMTIA (EMT) annual meeting, Alicante, Spain, November 2013
- Speaker at the Cancer Stem Cell symposium, Harvard Stem Cell Institute, Boston, USA, November 2013
- Speaker at the Nature Medicine symposium on Cancer Therapeutics, San Diego, USA, November 2013
- Speaker at the CNIO/Nature Cancer symposium, Madrid, Spain, October 2013
- Speaker at the EMBO member meeting, Heidelberg, Germany, October 2013
- Speaker at the IMP/IMBA joined lecture organized by the PhD student, Vienna, Austria, October 2013
- Speaker and chair of the Cold Spring Harbor Stem Cell Meeting, Cold spring Harbor, USA, September 2013
- Speaker and chair of the annual EMBO meeting, Amsterdam, The Netherlands, September 2013
- Speaker at the international PhD student Advances in Stem Cells Course, Institut Pasteur, France, July 2013
- Keynote speaker at the Lübeck Regenerative Medicine meeting, Lübeck, Germany, June 2013

- Keynote speaker at the 7th International PhD Student Cancer Conference, London, UK, June 2013
- Speaker at the Gordon Research Conference on Mammary Gland Biology, Stowe, USA, June 2013
- Speaker at V. EKF Symposium on Adult Stem Cells in Aging, Diseases, and Cancer, Eisenach, Germany, May 2013
- Speaker at the Gordon Research Conference on Epithelial Differentiation and Keratinization, Toscani, Italy, May 2013
- Speaker at the pre-IMPAKT training course, Brussels, Belgium, May 2013
- Speaker at the International Meeting of the Stem Cell Network North Rhine Westphalia in Cologne, Germany, April 2013
- Speaker at the Hedgehog and Gli signaling in stem cells and cancer" - Les Treilles, France April, 2013
- Speaker at the annual meeting of the American Association for Cancer Research (AACR)-session chair by Sean Morrison, Washington, USA, April 2013
- Speaker at the annual meeting of the American Association for Cancer Research (AACR)-session chair by John Dick, Washington, USA, April 2013
- Seminar at Barts Cancer Institute CRUK, University of London, London, March 2013
- Keynote speaker "Sabine Kohler Lecture" of the International Society of Dermatopathology, Miami, USA February 2013
- Seminar at Hubrecht Institute, Utrecht, Netherlands, January 2013
- Speaker at USCI meeting "The biology of stem cells", Paris, France, December 2012
- Seminar at Erasmus University, Rotterdam, Netherlands, December 2012
- Speaker at Barcelona Biomed Conference on "Normal and Tumor stem cells", Barcelona, Spain, November 2012
- Speaker at NCRI Cancer Conference, Liverpool, UK, November 2012
- Speaker at the cornel symposia on stem cell and cancer, Ithaca, NY, USA, October 2012
- Speaker at the College de Belgique (Belgian Royal Academy) on tissue stem cells
- Speaker at the summer school for regenerative medicine, Hydra, Greece, September 2012
- Speaker at the EMBL Conference Stem Cells in Cancer and Regenerative Medicine 2012, August 2012, Heidelberg, Germany
- Seminar at Beaston Institute for cancer research, Glasgow, UK August 2012
- Speaker at 4th International Congress on Stem Cells and Tissue Formation: Quantitative Stem Cell Biology, July 2012, Dresden, Germany
- Speaker at 2nd Annual Cambridge Stem Cell Symposium July 2012
- Plenary lecture for the Outstanding Young Investigator Award of the International Society for Stem Cell Research (ISSCR) at annual meeting of the ISSCR, Yokohama, Japan, June 2012
- Speaker at the EMBO meeting on signal transduction and diseases, Dubrovnik, Croatia, May 2012
- Speaker at the cancer stem cell meeting of UPenn, Philadelphia, April 2012
- Seminar at Genentech, April 2012
- Seminar at UCSF, April 2012
- Speaker at the annual meeting of the American Association for Cancer Research (AACR) « Cellular origin of skin cancer», Chicago, March 30 2012
- Speaker at the annual meeting of the American Association for Cancer Research (AACR) « Funding Opportunities in Europe for Creative Minds from Anywhere in the World », Chicago, March 30 2012
- Keynote speaker of the Helmsley Stem Cell Symposium, March 18-19 2011, Tel Aviv, Israel
- Speaker at the meeting of the Inserm School entitled "Individuality and social control

- of cells: a common theme in development, regeneration & cancer" March 9-11, 2012, Paris, France
- Speaker and chairman of the cancer stem cell session at the Cellular Oncology" - new insights leading to clinical advancement. Bi-annual meeting of the International Society for Cellular Oncology (ISCO) and the European Workshop on Cytogenetics and Molecular Genetics of Solid Tumours (EWCMGST), Mallorca, Spain March 4-8 2012
 - Organizer and speaker of the meeting "Advances in Stem Cell Research Conference », Eurosystem, Slovenia, January 23-26 January 2012
 - Seminar « Meet the Oncology Expert", Institut Bordet, December 2 2011
 - Seminar at the Paterson Institute, Manchester, UK, November 22 2011
 - Speaker at the 3th International EMBL PhD Symposium 2011, Heidelberg, Germany, October 18 2011
 - Keynote speaker at the annual meeting of the Faculties of Biology and Medicine of the Universities of Lausanne and Geneva, Switzerland, November 10 2011
 - Seminar at the Center of Genomic Regulation (CRG), Barcelona, Spain, October 21 2011
 - Keynote speaker at the cancer doctoral school, KUL, October 18, 2011
 - Seminar at London Research Institute (LRI), October 11 2011
 - Speaker at the Summer school on regenerative medicine, Hydra, Greece, 17-23 September 2011
 - Speaker and chairman of session on stem cells and genomic integrity, ISSCR, Toronto, Canada, June 15-18 2011
 - Speaker at Eurosystem meeting in Prague, Czech republic, June 6-8 2011
 - Speaker at the Cologne Cancer Club, June 1 2011
 - Speaker at the Else-Kröner-Fresenius Symposium on Molecular Mechanisms of Adult Stem Cell Aging in Germany, May 20-22 2011
 - Seminar at the NKI, Netherlands, May 13 2011
 - Speaker at the annual meeting of the association française contre la myopathie (AFM), Lille, France, May 11 2011
 - State of the art lecture/EMBO YIP lecture Society of Investigative Dermatology, Phoenix, USA, 4-8 May 2011
 - Speaker at Porto Cancer Meeting, April 27-29, Porto Portugal
 - Speaker at the EMBO conference in Advances in Stem Cell Research: Development, Regeneration and Disease, Paris 6-8 April 2011
 - Speaker at UKNSCN Fourth Annual Science Meeting, York, UK, April 2011
 - Speaker at the Charles Rodolphe Brupbacher Stiftung « Cancer genome and DNA repair », February 2011, Zurich, Switzerland
 - Speaker at the Keystone symposia on stem Cells in Development, Tissue Homeostasis and Disease, January 2011, Santa Fe, USA
 - Seminar at the Centre Léon Bérard, January 2011, Lyon, France
 - Seminar at the Curie Institute, January 2011, Paris, France
 - Seminar at the Télévie, December 2010, Brussels, Belgium
 - Seminar at Belact, December 2010, Brussels, Belgium
 - Seminar at the Pasteur Institute, December 2010, Lille, France
 - Seminar at the Stem cell institute, October 2010, KUL, Belgium
 - Speaker at Fall Meeting of the International Graduate School in Molecular Medicine October 2010, Ulm, Germany
 - Speaker at the International Symposium on Tumor Stem Cells, October 2010, Ulm, Germany
 - Speaker at the Stem cells Summer school in Hydra, Greece, Eurosystem, September 2010
 - Speaker and organizer of the European Workshop on skin stem cells, sponsored by

- EMBO young investigator program, Cambridge UK, August 2010
- Speaker at the annual meeting of the International Society of Stem Cell Research (ISSCR), San Francisco, June 2010
 - Speaker at the EMBL meeting on stem cells, homeostasis and cancer, Heidelberg, May 2010
 - Speaker at the Young EMBO investigator meeting, Heidelberg, Germany, May 2010
 - Speaker at the Cold Spring Harbor meeting on vertebrate organogenesis, New York, USA, April 2010
 - Seminar at the University of Zurich, Switzerland, April 2010
 - Seminar at the Cambridge Stem Cell Institute, Cambridge University, UK, March 2010
 - Seminar at the Harvard Stem Cell Institute, Harvard Medical School, Boston, USA, February 2010
 - Seminar at the Pasteur Institute, France, December 2009
 - Lecture at the Erasme Hospital, Brussels, October 2009
 - Seminar at the Medical Biochemistry and Molecular Biology of the Biocentre of Oulu, Finland, September 2009
 - Speaker at the Cold Spring Harbor Laboratory symposia on Stem Cells, New York, September 2009
 - Seminar at the Institute for Stem Cell Research/MRC Centre for Regenerative Medicine, University of Edinburgh, September 2009
 - Speaker at the 4th p63/p73 Workshop, Toronto, August 2009
 - Seminar at McEwen Centre for Regenerative Medicine, University Health Network, Toronto, August 2009
 - Speaker at the SFB 829 conference on Cellular Mechanisms Regulating Skin Homeostasis and Skin Diseases, Cologne, May 2009
 - Speaker at the Keystone symposia on stem cell niches, Whistler, Canada, April 2009
 - Speaker at the keystone symposia on « Cardiac Disease: Development, Regeneration and Repair », Asheville, USA, March 2009
 - Speaker at the CNIO Cancer Conference: “Stem Cells and Cancer”, Madrid, February 2009
 - Seminar Centre de Biologie du Développement, Université de Toulouse/ CNRS UMR 5547, January 2009
 - Seminar Centro Nacional de Investigaciones Oncológicas, Madrid, Spain January 2009
 - Seminar Baylor College of Medicine, Texas, USA, December 2008
 - Seminar IMI/IBMM, ULB, September 2008
 - Seminar Cologne University, June 2008
 - Seminar Hubrecht Institute, Utrecht University, May 2008
 - Speaker Stem Cell Meeting, VUB, March 2008
 - Speaker Epistem meeting, Ghent, February 2008
 - Seminar VIB, KUL, December 2007
 - Lecture at the Belgian Royal Mission in Ireland, Dublin, October 9th, 2007
 - Seminar at the symposium on skin stem cells, LVMH, Paris, September 20th, 2007
 - Seminar “Les cellules souches épidermiques” at the Académie Royale de Médecine, Brussels, September 15th 2007.
 - Seminar at the Institute for Medical Immunology, ULB, June 19th 2007
 - Seminar for the official inauguration of the GIGA Institute, Université Libre de Liège, June 7th 2007
 - Seminar at Monterotondo, EMBL, Italy, May 2007
 - Seminar at the GIGA and CNCM department, May 2007.
 - Seminar at the Department for Molecular Biomedical Research in VIB - Ghent University. March 2007
 - Seminar at the Institut de Pathologie cellulaire Christian de Duve, Université Catholique

de Louvain, February 2007

- Speaker “Epidermal stem cell niche” at the annual meeting of the American Society of Nephrology, San Diego, USA, November 2006
- Speaker at the 6th HFSP Awardees Annual Meeting. Defining the role of Notch/RBP-J during epidermal development. Paris, July 2006
- Speaker at Keystone Symposium on Molecular Targets for Cancer Therapy, Santa Fe, NM, January 2005
- Speaker. Skin Stem Cell meeting at the New York Academy of Sciences, New York, NY, November 2004
- Unité de biologie structurale, Strasbourg, France, June 2001. Deciphering CCR5 structure function.

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A developmental cellular hierarchy in melanoma uncouples growth and metastatic phenotypes

Karras P, Bordeu I, Pozniak J, Pedri D, Landeloos E, Van Raemdonck N, van Herck Y, Bervoets G, Marin-Bejar O, Dewaele M, Wouters J, Bosisio F, van den Oord JJ, Lambrechts D, Rustgi AK, Bechter O, **Blanpain C**, Simons BD, Rambow FC & Marine JC

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NR2F2 promotes malignant tumor stemness by repressing differentiation.

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Fat1 deletion promotes hybrid EMT state, tumour stemness and metastasis.

Pastushenko I, Mauri F, Song Y, de Cock F, Meeusen B, Swedlund B, Impens F, Van Haver D, Opitz M, They M, Bareche Y, Lapouge G, Vermeersch M, Van Eycke YR, Balsat C, Decaestecker C, Sokolow Y, Hassid S, Perez-Bustillo A, Agreda-Moreno B, Rios-Buceta L, Jaen P, Redondo P, Sieira-Gil R, Millan-Cayetano JF, Sanmatrin O, D'Haene N, Moers V, Rozzi M, Blondeau J, Lemaire S, Scozzaro S, Janssens V, De Troya M, Dubois C, Pérez-Morga D, Salmon I, Sotiriou C, Helmbacher F, **Blanpain C**.

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Targeting the epigenetic addiction of Merkel cell carcinoma.

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IF : 8.821

Recording EMT Activity by Lineage Tracing during Metastasis.

Vieugué P, **Blanpain C**.

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Heterotypic cell-cell communication regulates glandular stem cell multipotency.

Centonze A, Lin S, Tika E, Sifrim A, Fioramonti M, Malfait M, Song Y, Wuidart A, Van Herck J, Dannau A, Bouvencourt G, Dubois C, Dedoncker N, Sahay A, de Maertelaer V, Siebel CW, Van Keymeulen A, Voet T, **Blanpain C**.

Nature. 2020 Aug;584(7822):608-613. doi: 10.1038/s41586-020-2632-y. Epub 2020 Aug 26.

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Mechanisms of stretch-mediated skin expansion at single-cell resolution.

Aragona M, Sifrim A, Malfait M, Song Y, Van Herck J, Dekoninck S, Gargouri S, Lapouge G, Swedlund B, Dubois C, Baatsen P, Vints K, Han S, Tissir F, Voet T, Simons BD, **Blanpain C**.

Nature. 2020 Aug;584(7820):268-273. doi: 10.1038/s41586-020-2555-7.

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Guidelines and definitions for research on epithelial-mesenchymal transition.

Yang J, Antin P, Berx G, **Blanpain C**, Brabletz T, Bronner M, Campbell K, Cano A, Casanova J, Christofori G, Dedhar S, Derynck R, Ford HL, Fuxe J, García de Herreros A, Goodall GJ, Hadjantonakis AK, Huang RJY, Kalchauer C, Kalluri R, Kang Y, Khew-Goodall Y, Levine H, Liu J, Longmore GD, Mani SA, Massagué J, Mayor R, McClay D, Mostov KE, Newgreen DF, Nieto MA, Puisieux A, Runyan R, Savagner P, Stanger B, Stemmler MP, Takahashi Y, Takeichi M, Theveneau E, Thiery JP, Thompson EW, Weinberg RA, Williams ED, Xing J, Zhou BP, Sheng G; EMT International Association (TEMTIA).

Nat Rev Mol Cell Biol. 2020 Jun;21(6):341-352. doi: 10.1038/s41580-020-0237-9. Epub 2020 Apr 16.

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A Novel Approach for Quantifying Cancer Cells Showing Hybrid Epithelial/Mesenchymal States in Large Series of Tissue Samples: Towards a New Prognostic Marker.

Godin L, Balsat C, Van Eycke YR, Allard J, Royer C, Rummelink M, Pastushenko I, D'Haene N, **Blanpain C**, Salmon I, Rorive S, Decaestecker C.

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Defining the Design Principles of Skin Epidermis Postnatal Growth.

Dekoninck S, Hannezo E, Sifrim A, Miroshnikova YA, Aragona M, Malfait M, Gargouri S, de Neunheuser C, Dubois C, Voet T, Wickström SA, Simons BD, **Blanpain C**.

Cell. 2020 Apr 30;181(3):604-620.e22. doi: 10.1016/j.cell.2020.03.015. Epub 2020 Apr 6.

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Epidermal autonomous VEGFA/Flt1/Nrp1 functions mediate psoriasis-like disease

Benhadou F, Gritzner E, Brisebarre A, Dubois C, Rozzi M, Paulissen C, del Marmol V, Sibilio M, **Blanpain C**

Sci Adv. 2020 Jan 8;6(2):eaax5849. doi: 10.1126/sciadv.aax5849. eCollection 2020 Jan.

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Thyroid hormone induces progression and invasiveness of squamous cell carcinomas by promoting a ZEB-1/E-cadherin switch

Miro C, Di Cicco E, Ambrosio R, Mancino G, Di Girolamo D, Cicatiello AG, Sagliocchi S, Nappi A, De Stefano MA, Luongo C, Antonini D, Visconte F, Varricchio S, Ilardi G, Del Vecchio L, Staibano S, Boelen A, **Blanpain C**, Missero C, Salvatore D, Dentice M.

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IF : 11.878 – Citations : 5

Context dependency of epithelial to mesenchymal transition for metastasis

Reveno T, Nicodème A, Pastushenko I, Sznurkowska MK, Latil M, Sotiropoulou PA, Dubois C, Moers V, Lemaire S, de Maertelaer V & **Blanpain C**.

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IF : 7.815 – Citations : 6

Spatiotemporal regulation of multipotency during prostate development

Tika E, Ousset M., Dannau A, **Blanpain C**

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EGFR Controls Hair Shaft Differentiation in a p53-Independent Manner
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Stem cell dynamics, migration and plasticity during wound healing
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Phenotypic plasticity: driver of cancer initiation, progression, and therapy resistance
Gupta PB, Pastushenko I, Adam Skibinski A, **Blanpain C**, Kuperwasser C
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EMT transition states during tumor progression and metastasis
Pastushenko I and **Blanpain C**
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A slow-cycling LGR5 tumour population mediates basal cell carcinoma relapse after therapy.
Sánchez-Danés A, Larsimont JC, Liagre M, Muñoz-Couselo E, Lapouge G, Brisebarre A, Dubois C, Suppa M, Sukumaran V, Del Marmol V, Tabernero J, **Blanpain C**.
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YAP and TAZ are essential for basal and squamous cell carcinoma initiation
Debaugnies M, Sánchez-Danés A, Rorive S, Liagre M, Brisebarre A, Parent MA, Salmon I, and **Blanpain C**
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Deciphering the cells of origin of Squamous Cell Carcinomas
Sánchez-Danés A and **Blanpain C**
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Early lineage segregation of multipotent embryonic mammary gland progenitors
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Identification of the tumour transition states occurring during EMT

Pastushenko I, Brisebarre A, Sifrim A, Fioramonti M, Renvenco T, Boumahdi S, Van Keymeulen A, Brown D, Moers V, Lemaire S, De Clercq S, Minguignon E, Cédric Balsat C, Sokolow Y, Dubois C, de Cock F, Scozzaro S, Sopena F, Lanas A, D'Haene N, Salmon I, Marine JC, Voet T, Sotiropoulou P and **Blanpain C**

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Universality of clone dynamics during tissue development

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Defining the earliest step of cardiovascular lineage segregation during gastrulation by single cell RNA-seq

Lescroart F, Wang X, Lin X, Swedlund B, Gargouri S, Sánchez-Dànes A, Moignard V, Dubois C, Paulissen C, Kinston S, Göttgens B, **Blanpain C**

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Gene therapy: Transgenic stem cells replace skin.

Aragona M, **Blanpain C**.

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Mouse Cutaneous Melanoma Induced by Mutant BRaf Arises from Expansion and Dedifferentiation of Mature Pigmented Melanocytes.

Köhler C, Nittner D, Rambow F, Radaelli E, Stanchi F, Vandamme N, Baggiolini A, Sommer L, Berx G, van den Oord JJ, Gerhardt H, **Blanpain C** & Marine JC

Cell Stem Cell. 2017 Nov 2;21(5):679-693.e6. doi: 10.1016/j.stem.2017.08.003. Epub 2017 Oct 12.

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Lineage-Restricted Mammary Stem Cells Sustain the Development, Homeostasis, and Regeneration of the Estrogen Receptor Positive Lineage.

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Identifying the niche controlling melanocyte differentiation

Zocco M, **Blanpain C**.

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Defining stem cell dynamics and migration during wound healing in mouse skin epidermis

Aragona M, Dekoninck S, Rulands S, Lenglez S, Mascré M, Simons B, **Blanpain C**.
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Cell-Type-Specific Chromatin States Differentially Prime Squamous Cell Carcinoma Tumor-Initiating Cells for Epithelial to Mesenchymal Transition.

Latil M, Nassar D, Beck B, Boumahdi S, Wang L, Brisebarre A, Dubois C, Nkusi E, Lenglez S, Checinska A, Vercauteren Drubbel A, Devos M, Declercq W, Yi R, **Blanpain C**.

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Maintaining hair follicle stem cell identity in a dish.

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Defining the clonal dynamics leading to mouse skin tumor initiation

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Youssef K, Simons B, **Blanpain C**.

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p53 induces formation of NEAT1 lncRNA-containing paraspeckles that modulate replication stress response and chemosensitivity.

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