

The Notch Meeting IX

4-8 OCTOBER 2015 ♦ ATHENS, GREECE

Program

&

List of Participants

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The Notch Meeting IX

4 – 8 October 2015
Athens, Greece

In 2007 we began *The Notch Meetings*, a series of annual conferences on the Notch signaling pathway bringing together researchers working on diverse questions and experimental systems. These meetings alternate between general meetings and smaller, more thematic meetings. This year's meeting is the ninth *Notch Meeting* covering the full breadth of science related to the Notch pathway. The intention, as always, is that the meeting will provide us with a global view related to Notch pathway biology and enable us to hear and meet old and new players.

The meetings are sponsored by the not for profit foundation Fondation Santé (www.FondationSante.org) and benefit from the generosity of additional sponsors.

Organizing Committee

Sarah Bray, Cambridge University, UK; **Spyros Artavanis-Tsakonas**, Harvard Medical School, Biogen, USA; **Jon Aster**, BWH, Harvard University, USA; **Tilman Borggreffe**, University of Giessen, Germany; **Kim Dale**, University of Dundee, UK; **Sally Dunwoodie**, Victor Chang Cardiac Research Institute, Australia; **Wendy Gordon**, University of Minnesota, USA; **Motoyuki Itoh**, Chiba University, Japan ; **Roland Le Borgne**, Institut de Génétique et Développement de Rennes, France; **Angeliki Louvi**, Yale School of Medicine, USA; **Juan Carlos Zúñiga-Pflücker**, University of Toronto, Canada.



Fondation Santé was established in 2000 as a private foundation operating exclusively for charitable, scientific and educational purposes. The foundation aims to assist in advancing the health and education of those in need, whether individuals, regions or countries.

PROGRAM

Presentations at the Notch Meeting may not be considered as published scientific papers and may not be cited or reported in the press except as personal communications (with the presenter's permission). Given these assurances we hope you will speak openly and not introduce any data or experiments that you are not prepared to discuss in full. In participating in the conference you agree neither to record presentations or posters by electronic or photographic means, nor to make printed references to The Notch Meeting presentations, posters and discussions. You will also agree to omit references to The Notch Meeting from any publication.

Each speaker is allocated 20 minutes or 10 (*) minutes for the presentation and an additional 5 minutes for discussions.

Please note that there may be last minute changes in both the order of the speakers and the speakers. Any such changes will be announced at the meeting.

SUNDAY, October 4

18:00 - 20:30 **Registration** – Divani Palace Acropolis Hotel, 19 Parthenonos Street

20:30 **Reception** – Divani Palace Acropolis Hotel

Meeting Venue: **The New Benaki Museum**, 138 Pireos Street
(Buses will depart from the Dionysos Restaurant parking lot, 43 Rovertou Galli Street, at 8:15 every morning)

MONDAY, October 5

09:00 – 09:10 **Opening Remarks**
Sarah Bray (Cambridge University, UK)
Spyros Artavanis-Tsakonas (Harvard Medical School and Biogen, USA)

09:10 – 11:00 **I. Mechanisms of Canonical and Non-canonical Signaling** (*continued*)
Chairs: **Sarah Bray / Sally Dunwoodie**

Penny Handford (University of Oxford, UK)
“Understanding the architecture of the Notch extracellular domain, and its interactions with Jagged/Delta ligands”

Robert Haltiwanger (CCRC, University of Georgia, USA)
“How do carbohydrate modifications modulate Notch activity?”

Wendy Ryan Gordon (University of Minnesota, USA)
“Decoding the mechanotransduction mechanism of Notch”

Vince Luca*(Stanford University, USA)
“Structural basis for Notch receptor-ligand engagement”

Stefano De Renzis* (European Molecular Biology Laboratory, Germany)
“Probing the role of ligand clustering during Notch signaling activation using optogenetics”

11:00 – 11:30 **Coffee Break**

11:30 – 13:10

I. Mechanisms of Canonical and Non-canonical Signaling *(continued)*

Susan Lea* (University of Oxford, UK)

“Structural and functional dissection of the interplay between C2-binding of phospholipid and Notch binding in human Notch ligands”

Wu-Min Deng (Florida State University, USA)

“Cis-inhibition and ligand-independent Notch activity”

Shreyas Raj Ravindranath* (University of California, Irvine, USA)

“The Role of Furin Processing of Notch in Activation Biophysics”

Nadia Kershaw* (Walter & Eliza Hall Institute of Medical Research, Australia)

“Structure-Function Studies on Delta-like Ligands”

Nagarajan (Sandy) Nandagopal* (California Institute of Technology, USA)

“Dynamic ligand discrimination in the Notch pathway”

M. Mark Taketo* (Kyoto University, Japan)

“Promotion of Colorectal Cancer Invasion and Metastasis through Activation of Notch Signaling”

13:15 – 14:15

Lunch Break

14:15 – 14:45

Poster Teasers (5)

Chairs: Kim Dale / David Sprinzak

14:45 – 16:20

II. Co-ordination of Stem Cells

Chairs: Irv Bernstein / Kim Dale

David Traver (University of California, San Diego, USA)

“Decoding the molecular cues that regulate HSC specification”

Judith Kimble (UW-Madison & Howard Hughes Medical Institute, USA)

“C. elegans GLP-1/Notch Signaling: Direct targets and visualization in stem cells”

Martin Baron* (University of Manchester, UK)

“Intracellular regulation of Notch signalling in the Drosophila ovary stem cell niche by ubiquitin ligase proteins”

Lindsey Mork* (University of Southern California, USA)

“Intersections between Notch, Edn1 and Fgf establish a blueprint for the developing facial skeleton”

Marie-Claude Hofmann* (University of Texas, MD Anderson Cancer Center, USA)

“Regulation of the testis stem cell niche by NOTCH signaling”

16:30 – 17:00

Coffee Break

17:00 – 18:45

II. Co-ordination of Stem Cells *(continued)*

Laure Bally-Cuif (CNRS, Paris-Saclay, France)

“Quiescence control and Notch signaling in adult neural stem cells”

Stefan Thor* (Linköping University, Sweden)
“Neural Daughter Proliferation Switch Controlled”

Angelika Böttger* (Ludwig Maximilians University, Germany)
“Organising the organiser: Notch signalling is required for head regeneration and tentacle patterning in the simple pre-bilaterian polyp Hydra”

Benjamin Ohlstein (Columbia University Medical Center, USA)
“Bidirectional Notch Signaling Regulates Drosophila Intestinal Stem Cell Multipotency”

Stavroula Kousteni (Columbia University, USA)
“Notch Signaling in Osteoblast-Induced Acute Myeloid Leukemia”

TUESDAY, October 6

09:00 – 10:45

III. Functional Roles of Notch in Cell Fate Specification

Chair: Roland Le Borgne / Juan-Carlos Zúñiga-Pflücker

Sally Dunwoodie (Victor Chang Cardiac Research Institute, Australia)
“Identifying genetic and environmental factors that disrupt somitogenesis and vertebral column formation”

Silvia Fre (Institut Curie, France)
“Defining lineage specification during mammary gland development”

Kim Dale (Dundee University, UK)
“Regulation of cell fate choice in neuroectoderm progenitors by crosstalk between Notch and Sonic Hedgehog pathways”

Hao Yuan Kueh* (California Institute of Technology, USA)
“Notch signaling instructs T-cell commitment by controlling the probabilistic switch-like activation of the T-lineage transcription factor Bcl11b”

Michele Anderson* (University of Toronto, Canada)
“Modulated DL-Notch signaling within specific thymic microenvironments is required for the development of thymic dendritic cells”

10:45 – 11:15

Coffee Break

11:15 – 12:50

III. Functional Roles of Notch in Cell Fate Specification *(continued)*

Anna Bigas (IMIM - Institut Hospital del Mar d' Investigacions Mèdiques, Spain)
“Notch signal strength controls cell fate in the hemogenic endothelium”

Angeliki Louvi (Yale School of Medicine, USA)
“Notch lineages in mammalian brain”

Marek Mlodzik* (Icahn School of Medicine at Mount Sinai, USA)
“Su(H) dependent and independent Notch signaling pathway in Drosophila eye patterning”

Palle Serup* (University of Copenhagen, Denmark)
“Iterative Notch signalling in pancreatic cell fate decisions”

Nicholas Baker* (Albert Einstein College of Medicine, USA)
“A network of HLH protein-protein interactions regulating neurogenesis and disease”

13:00 – 14:00

Lunch Break

14:00 – 15:30

Poster Session

15:30 – 16:55

IV. Physiology, Disease and Therapeutics

Chairs: Jon Aster / Angeliki Louvi

Chris Siebel (Genentech, USA)
“Notch control of transdifferentiation in the adult lung”

Karla Kaun* (Brown University, USA)
“To drink or Not(ch) to drink: understanding how memory for alcohol intoxication is regulated”

Thiruma Arumugam* (National University of Singapore, Republic of Singapore)
“Death Mechanisms of Notch in Ischemic Stroke”

Hamed Jafar-Nejad* (Baylor College of Medicine, USA)
“Jag1 heterozygosity in mice results in a congenital cholangiopathy which is reversed by concomitant deletion of one copy of Poglut1 (Rumi)”

Andreas Fischer* (German Cancer Research Center, Germany)
“Endothelial Notch signaling balances myocardial glucose and fatty acid metabolism”

17:00 – 17:30

Coffee Break

17:30 – 18:50

IV. Physiology, Disease and Therapeutics (*continued*)

Shinya Yamamoto (Baylor College of Medicine, USA)
“Using Drosophila to understand Notch-related human diseases”

Maria L Toribio* (Centro de Biología Molecular Severo Ochoa, Spain)
“Cooperation of activated Notch1 with molecular regulators of proliferation at sequential intrathymic checkpoints is crucial in T-ALL pathogenesis”

Apostolos Klinakis (Biomedical Research Foundation - Academy of Athens, Greece)
“Identification of a Notch-responsive stem cell population in the mouse urinary bladder”

Minu Srivastava* (Oncomed Pharmaceuticals, USA)
“Anti-DLL4 Impacts Tumor Growth by Multiple Distinct Mechanisms”

WEDNESDAY, October 7

09:00 – 10:30

V. Transcriptional Programs and Epigenetic Regulation

Chairs: Wendy Gordon / Raphael Kopan

Jon Aster (Brigham and Women’s Hospital, USA)
“Oncogenic Notch Signaling in Adenoid Cystic Carcinoma”

Warren Pear (University of Pennsylvania, USA)
“Modular domains within a super enhancer determine drug resistance in T-ALL”

Juan Carlos Zúñiga-Pflücker (University of Toronto, Canada)
“Notch/RBPJ signaling in a conditional inducible state in vivo”

Mark Chiang* (University of Michigan, USA)
“Biochemical separation of Notch functions through Zmiz1, a direct Notch cofactor”

10:30 – 12:00 **Poster Session and Coffee Break**

12:00 – 13:20 **V. Transcriptional Programs and Epigenetic Regulation** (*continued*)

Tilman Borggreffe (University of Giessen, Germany)
“Site-specific methylation of the Notch intracellular domain”

Rhett Kovall (University of Cincinnati College of Medicine, USA)
“Structure and Function of the Su(H)-Hairless Corepressor Complex”

Maria J. Gomez Lamarca* (University of Cambridge, UK)
“Measuring the dynamics of Su(H) by live imaging demonstrate changes in recruitment in the presence of NICD”

Kathryn Sherry* (The Johns Hopkins University, USA)
“Effects of transient secondary structure elements and charge distribution in the intrinsically disordered RAM region of NICD on Notch signaling”

13:30 – 15:00 **Lunch Break (Taverna)**

15:00 – 15:30 **Poster Session and Coffee**

15:30 – 17:05 **VI. Influence of Trafficking and Cellular Architecture on Notch**
Chairs: Kenji Matsuno / Robert Haltiwanger

David Sprinzak (Tel Aviv University, Israel)
“Cell-cell contact area affects Notch signaling and Notch dependent patterning”

François Schweisguth (Institut Pasteur, France)
“Dynamic Notch signaling organizes bristle patterns in the Drosophila thorax”

Thomas Vaccari * (IFOM, Italy)
“Lysosomes, Notch signaling and tissue patterning are regulated by the TFEB/V-ATPase axis in Drosophila melanogaster”

Tomoko Yamakawa* (Osaka University, Japan)
“The function of a novel ER modulating factor, Pecanex in Notch signaling”

Brian McMillan* (Harvard Medical School, USA)
“Mechanics of Mind bomb”

17:05 – 17:30 **Coffee Break**

17:30 – 19:00 **VI. Influence of Trafficking and Cellular Architecture on Notch**
(*continued*)

Motoyuki Itoh (Chiba University, Japan)
“Ubiquitination of Dynamin 2 and Snx18 by Mib1 promotes Dll1 endocytosis and Notch signaling”

Marcos Gonzalez Gaitan (University of Geneva, Switzerland)
“The basis of the asymmetric targeting of endosomes during asymmetric division”

Motoo Kitagawa* (Chiba University Graduate School of Medicine, Japan)
“A possible mammalian homologue of *Drosophila* neurogenic gene product Almondex activates Notch1”

Roland Le Borgne (Université de Rennes 1, France)
“Linking temporal and mechanical regulations of epithelial cell cytokinesis to cell fate acquisition”

THURSDAY, October 8

09:00 – 10:45

VII. Roles of Notch in Cancer: from Oncogenesis to Tumour

Chairs: Lucio Miele / Chris Siebel

Freddy Radtke (École Polytechnique Fédérale de Lausanne, Switzerland)
“Chronic inflammation imposes aberrant stem cell fate in regenerating epithelia via mechanotransduction”

Sean Egan (The Hospital for Sick Children, Canada)
“Genetic analysis of the cooperative gene network involved in transformation of mammary epithelial cells by Notch”

Frank Kuhnert (Regeneron Pharmaceuticals, Inc., USA)
“Dll4-Notch signaling mechanisms in ovarian cancer”

Giulia Fabbri* (Institute for Cancer Genetics, Columbia University, USA)
“The role of NOTCH1 mutations in Chronic Lymphocytic Leukemia”

Keith Brennan* (University of Manchester, UK)
“Activating RBPj-dependent Notch signalling in the murine mammary gland leads to spontaneous endocrine resistant ER+ve tumours”

10:45 – 11:15

Coffee Break

11:15 – 12:50

VII. Roles of Notch in Cancer: from Oncogenesis to Tumour *(continued)*

Tony Capobianco (University of Miami, USA)

“Small Molecule Inhibitors of the Notch Transcriptional Activation Complex”

Gian Paolo Dotto (University of Lausanne, CH, Cutaneous Biology Research Center
Massachusetts General Hospital, MA, USA)

“Convergent control of Cancer Associated Fibroblast activation and field cancerization by Notch/CSL, p53 and FGFR signaling”

Christos Gekas* (IMIM - Institut Hospital del Mar d' Investigacions Mèdiques, Spain)
“Non-conventional β -Catenin activity is essential for Notch1-driven T-cell leukemia”

Lan Zhou* (Case Western Reserve University, USA)

“A mouse model of human colitis associated colon cancer: interplays between fucosylated epithelium, microbiota, and Notch-dependent tumor suppressor function”

Erika Lopez Arribillaga* (Fundacio IMIM, Spain)

“Essential contribution of epithelial Jagged 1 to intestinal cancer”

13:00 – 14:00

Lunch Break

14:00 – 15:00

Poster Session

15:00 – 16:30

VIII. Notch Signal Integration: Crosstalk, Genetic Circuitries

Chairs: Spyros Artavanis-Tsakonas / Judith Kimble

Raphael Kopan (Cincinnati Children's Hospital Medical Center, USA)

“Notch receptors communicate short-range signals through a self-destructive process”

Julia Oswald* (Cambridge University, UK)

“Cell fate specification in the zebrafish retina: Competition of Notch1CD and bHLH transcription factor Ptf1a for RBPj drives retinal progenitor fate choices”

Diana Ho* (Harvard Medical School, USA)

“The Notch-mediated hyperplasia circuitry in Drosophila”

Tom Taghon* (Ghent University, Belgium)

“Characterization of the Notch-dependent mRNA/miRNA network that drives human TCR- $\gamma\delta$ T cell development”

16:25 – 16:45

Coffee Break

16:45 – 18:30

VIII. Notch Signal Integration: Crosstalk, Genetic Circuitries (*continued*)

Olivier Pourquié (Harvard Medical School, USA)

“Role of Notch signaling in vertebrate segmentation”

Anna Engler* (University of Basel, Switzerland)

“Differential roles of Notch1 or Notch2 signaling in the adult murine brain”

Guruharsha Kuthethur Gururaj* (Biogen Inc., USA)

“The Drosophila Proteome and the “Notchome”: An Integrated View of the Complexity of Notch Signaling Pathway”

Hideyuki Shimizu* (University of Manchester, UK)

“A novel role of Src in endocytic activation of Notch signalling”

Ajay Chitnis (NICHD – National Institutes of Health, USA)

“Epb4115 coordinates delamination of DeltaD-expressing neuronal progenitors to facilitate their differentiation as neurons”

Closing remarks

20:30

Farewell Dinner

POSTER SESSION

1. **Rolake Alabi** (Weill Cornell Medical College, USA)
“ADAM-dependent Notch signaling shapes the development of organ-specific vascular beds”
Authors: Rolake Alabi, Krzysztof Glomski, Sebastien Monette, Gisela Weskamp, Carl P. Blobel
2. **Edith Milena Alvarado Cuevas** (Université de Sherbrooke, Canada)
“CROSSTALK BETWEEN THE TAF6 δ AND NOTCH PATHWAYS IN CANCER CELL LINES”
Authors: Edith M. Alvarado¹, H el ene L eger², Emmanuelle Wilhelm¹, Aur elie Delannoy¹, Arndt G. Benecke^{2,3}, Eduardo Casta neda⁴, and Brendan Bell¹
3. **Karen Bellec** (CNRS UMR6290 IGDR - Universit e Rennes 1, France)
“Notch dynamics during asymmetric cell divisions in *Drosophila melanogaster*”
Authors: Karen Bellec, Isabelle Gicquel, Roland Le Borgne, Stephanie Le Bras
4. **Shani Ben Moshe** (Weizmann Institute of Science, Israel)
“Early commitment and robust differentiation in intestinal crypts”
Authors: Be ata T oth, Shani Ben-Moshe, Avishai Gavish, Naama Barkai, Shalev Itzkovitz
5. **William Bernard** (University of Cambridge, UK)
“Notch Signalling is Differentially Regulated in Vascular Smooth Muscle Cells in an Embryological Origin Dependent Manner: Implications for Cerebrovascular Disease”
Authors: William Bernard, Felipe Serrano, Alessandra Granata, Anne Joutel, Sanjay Sinha
6. **Emily Capra** (California Institute of Technology, USA)
“Antibody against the Notch 1 extracellular domain circumvents cis-inhibition”
Authors: Emily J. Capra, Suzanne Furuyama, Michael B. Elowitz, Irwin D. Bernstein
7. **Marina Cardano** (CIBIO, University of Trento, Italy)
“Epsin and Notch interplay in stemness maintenance”
Authors: Marina Cardano, Jacopo Zasso, Ottavio Cremona, Luciano Conti
8. **Francesca Anna Carrieri** (University of Dundee, UK)
“Investigating mechanisms underlying clock oscillator”
Authors: Guy Wiedermann, Robert Bone, Joana Silva, Francesca Anna Carrieri, Mia Bjorklund, Kim Dale
9. **Beatrice Charreau** (INSERM UMR1064, France)
“ADAM10 mediates a Notch-dependent regulation of IL-6 through Dll4 in human endothelial cells”
Authors: Ang elique Pabois, Julie Devallier e, Nathalie G erard, Christian Laboisse, Claire Toquet and B eatrice Charreau
10. **Beatrice Charreau** (INSERM UMR1064, France)
“Notch Signaling triggers microvascular inflammation in cardiac transplant: Endothelial DLL4 and IL-6 cooperatively shape M1-Type proinflammatory macrophages”
Authors: Pabois A., Pagie S., G erard N., Laboisse C., Pattier S., Hulin P., Nedellec S., Toquet C. and Charreau B.
11. **Carolina Cristina** (National University of the Northwest Buenos Aires, Argentina)
“Notch receptor expression profile in normal and pituitary adenomas”
Authors: Sofia Perrone, Lautaro Zubeldia Brenner, El as Gazza, Gianina Demarchi, Leticia Baccarini, Nadia Bonadeo, Silvia Berner, Damasia Bec u-Villalobos, Carolina Cristina.
12. **Kirsten Coupland** (Karolinska InstitutetSweden)
“Examination of Notch 3 in CADASIL using a novel monoclonal antibody”
Authors: Kirsten G Coupland, Matti Viitanen, Hannu Kalimo, Urban Lendahl, Johan Lundkvist, Helena Karlstr om.

- 13. Carlo De Blasio** (La Sapienza, University of Rome, Italy)
 “Analysis of the Notch-signaling Duality”
 Authors: Carlo De Blasio, Samantha Cialfi, Paula Vargas Romero, Germano Mariano, Isabella Screpanti and Claudio Talora.
- 14. Christos Delidakis** (Institute for Molecular Biology & Biotech., FORTH, Greece)
 “A transcriptomic analysis of neural hyperplasias caused by the Notch / bHLH-O axis”
 Authors: Srivathsa MAGADI, Evanthia ZACHARIOUDAKI, Sarah BRAY, Christos DELIDAKIS.
- 15. Mariana Soledad Di Luca** (Dublin City University, Ireland)
 “Notch activation of resident multipotent vascular stem cells”
 Authors: Di Luca M, Kennedy E., Casey G, Hakimjavadi R and Cahill PA.
- 16. Giulia Diluvio** (La Sapienza, University of Rome, Italy)
 “Notch3 - EGFR crosstalk in triple negative breast cancers (TNBC): new therapeutic possibilities”
 Authors: Diluvio G., Del Gaudio F., Frniosa G., Screpanti I., Checquolo **SAnne-Catherine Dolens** (University Ghent, Belgium)
 “Generation of Notch deficient human embryonic stem cells to study human hematopoiesis”
 Authors: Anne-Catherine Dolens, Katrien De Mulder, Karin Davids, Imke Velghe, Inge Van de Walle, Els Waegemans, Jelle De Medts, Nadine Van Roy, Tom Taghon.
- 17. Deborah Eastman**, (Connecticut College, USA)
 “Expression of Notch Pathway Genes During Axolotl Taste Bud Development”
 Authors: Deborah Eastman, Linda Barlow.
- 18. Francesca Ferrandino**, (Sapienza, University of Rome, Italy)
 “CXCR4 DEREGLATION IN NOTCH3-INDUCED ACUTE T CELL LYMPHOBLASTIC LEUKEMIA”
 Authors: Francesca Ferrandino, Giovanni Bernardini, Paola Grazioli, Antonello Campese, Rocco Palermo, Ambra Ciuffetta, Diana Bellavia, Isabella Screpanti and Maria Pia Felli.
- 19. Francesca Ferrante** (University of Giessen, Germany)
 “A phospho-dependent mechanism controls a committed chromatin state at Notch target genes”
 Authors: Francesca Ferrante, Franz Oswald, Patrick Rodriguez, Benedetto Daniele Giaimo, Zeus A. Antonello, Gerhard Mittler, Verena N.Thiel, Kelly J. Collins, Nassif Tabaja, Kerstin Hein, Rhett A. Kovall, Maria Dominguez, and Tilman Borggreffe.
- 20. Wendy Gordon** (1University of Minnesota, USA, 2Harvard Medical School, USA)
 “Decoding the mechanotransduction mechanism of Notch signaling”
 Authors: Gordon WR¹, Zimmerman B², He L², Miles LJ², Huang J⁴, Tianont K², McArthur DG², Aster JC², Perrimon N², Loparo JJ², Blacklow SC²
- 21. Christof Haffner** (Institute for Stroke and Dementia Research, Germany)
 “A link between Notch3 aggregation and the extracellular matrix”
 Authors: Christof Haffner, Andreas Zellner, Patrizia Hanecker, Martin Dichgans.
- 22. Daniel Herrick** (Tufts University, USA)
 “Notch signaling helps maintain reserve neural stem cell quiescence in the setting of neuronal injury”
 Authors: Daniel B Herrick, Jesse Peterson, James E Schwob.
- 23. Ana Hidalgo-Sastre** (Klinikum rechts der Isar, Germany)
 “Hes1 is necessary for acinar plasticity and restricts Kras-mediated PDAC development”
 Authors: Roxanne L. Brodylo*, Ana Hidalgo-Sastre*, Marcel Lee, Bence Sipos, Roland M. Schmid, Clara Lubeseder-Martellato, Jens T. Siveke.

- 24. Kristian Honnens de Lichtenberg** (The Danish Stem Cell Center - DanStem, University, Denmark)
 “The Molecular Mechanisms of Transcriptional Regulation by Notch1 and Hes1 in Pancreas Development”
 Authors: K. Honnens de Lichtenberg, Philip Seymour, Mette C. Jørgensen, Yung-Hae Kim, Anne Botton, Palle Serup.
- 25. Valentina Iovine** (La Sapienza University of Rome, Italy)
 “Synthesis and studies of chalcones as inhibitors of Notch signaling pathway in the treatment of T-cell acute lymphoblastic leukemia”
 Authors: Valentina Iovine, Andrea Calcaterra, Mattia Mori, Simone Berardozzi, Rocco Palermo, Isabella Screpanti, Ilaria D’Acquarica and Bruno Botta.
- 26. Toshiyuki Kawakami** (Matsumoto Dental University Graduate School, Japan)
 “Functional Roles of Notch in Cell Fate Specification of Salivary Pleomorphic Adenomas”
 Authors: Toshiyuki Kawakami, Keisuke Nakano, Ochiai Takanaga, Yoshihiko Sugita, Katsutoshi Kubo, Hatsuhiko Maeda and Hiromasa Hasegawa.
- 27. Despoina Kerselidou** (GIGA Research/University of Liege, Belgium)
 “Systematic interactome mapping of acute lymphoblastic leukemia cancer gene products reveals EXT-1 tumor suppressor as a Notch1 and FBW7 common interactor”
 Authors: Sarah Daakour, Despoina Kerselidou, Leon Juvenal Hajingabo, Aurelie Devresse, Nicolas Simonis, Franck Dequiedt, Jean-Claude Twizere.
- 28. Panagiotis Kefalos** (Biomedical Research Foundation Academy of Athens, Greece)
 “A zebrafish in vivo system to study cardiac valve regeneration”
 Authors: Panagiotis Kefalos, Claudia Roedel, Koichi Kawakami and Dimitris Beis
- 29. Patricia Kloeble** (University clinic Ulm, Germany)
 “RBP-J associated cofactor SHARP/Mint as an epigenetic regulator of tissue repair and aging”
 Authors: Patricia Kloeble, Dongsheng Jiang, Karin Scharffetter-Kochanek, Tilman Borggrefe, Franz Oswald
- 30. Ralph Klose** (German Cancer Research Center (DKFZ), Germany)
 “Soluble Notch ligand and receptor peptides act antagonistically during angiogenesis”
 Authors: R. Klose, A. Fischer.
- 31. Alena Krejci** (University of South Bohemia, Czech Republic)
 “Metabolic regulations of the Notch pathways through the NAD-dependent deacetylase Sir2”
 Authors: Matej Horvath, Zorana Vujin, Raquel Perez-Gomez, Vera Slaninova, Pavel Steffal, Sarah Bray and Alena Krejci.
- 32. Nathalie Labrecque** (University of Montreal, Canada)
 “The Notch signaling pathway controls the differentiation of CD8+ effector T cells independently of Hes-1”
 Authors: Frédéric Duval, Mélissa Mathieu, Jean-François Daudelin, Nathalie Labrecque.
- 33. Ines Lahmann** (MDC for Molecular Medicine, Berlin-Buch, Germany)
 “Hes1-mediated repression of MyoD in satellite cells controls entry and maintenance of quiescence”
 Authors: Dominique Bröhl, Akihiro Isomura, Ines Lahmann, Joscha Griger, Maciej T. Czajkowski, Ryoichiro Kageyama and Carmen Birchmeier
- 34. Daniel Lafkas** (Genentech Inc., USA)
 “Therapeutic antibodies reveal Notch control of transdifferentiation in the adult lung”
 Authors: Daniel Lafkas, Amy Shelton, Christian Siltanen, Mike Reichelt, Meijuan Zhou, Xiumin Wu, Jeffrey Eastham-Anderson, Wyne P. Lee, Merone Roose-Girma, Søren Warming, Jackson Egen, Cary Austin, Yan Wu, Jian Payandeh, John Lowe, and Christian W. Siebel.

- 35. Anna Lilja** (Institut Curie, France)
“Impact of the cell-of-origin on Notch1-driven mammary tumors”
Authors: Anna Lilja, Veronica Rodilla, Silvia Fre.
- 36. Shuheng Lin** (Lyon Cancer Research Centre, France)
“Tumor angiogenesis is controlled by a non-canonical NOTCH3 signaling”
Authors: Shuheng Lin, Ana Negulescu, Sirisha Bulusu, Benjamin Gibert, Jean-Guy Delcros, Benjamin Ducarouge, Nicolas Gadot, Isabelle Treilleux, Olivier Meurette1, and Patrick Mehlen1.
- 37. Despoina Mademtoglou** (IMRB U955, Faculté de Médecine, France)
“Notch signaling and muscle regulatory factors antagonistically regulate skeletal muscle growth arrest
Authors: Zalc A, Hayashi S, Aurade F, Brohl D, Chang T, Mademtoglou D, Mourikis P, Yao Z, Cao Y, Birchmeier C, Relaix F.
- 39. Dieter Maier** (University of Hohenheim, Genetics Institute (240) Germany)
“Identification of Hairless binding sites in Suppressor of Hairless”
Authors: Heiko Praxenthaler, Adriana Schulz, Anette Preiss, Rhett Kovall, and Dieter Maier.
- 40. Giulia Monticone** (University of Manchester, UK)
“Consequences of mutations in the Notch receptor on its trafficking and signal regulation”
Authors: Giulia Monticone, Zhi Huang, Hideyuki Shimizu, Marian Wilkin, Keith Brennan and Martin Baron
- 41. Xavier Morin** (Institut de Biologie de l'École Normale Supérieure, France)
“Centrosomal distribution of Mindbomb1 regulates fate choices in dividing neural progenitors)
Authors: Samuel Tozer, Evelyne Fischer, Xavier Morin.
- 42. Philippos Mourikis** (Muscle Research Center, France)
“Cross-talk between Notch and RTK signalling pathways in muscle stem cells”
Authors: P. Mourikis, L. Machado, and F. Relaix.
- 43. Ana-Maria Negulescu** (Cancer Regional Center of Lyon, France)
“From data analysis to mechanistic: Notch3 an oncogene or a tumor suppressor in breast cancer?”
Authors: Negulescu Ana, Grandin Melodie, Lin Shuheng, Danté Robert, Meurette Olivier, Mehlen Patrick
- 44. Abidemi Olayinka** (Dublin City University, Ireland)
“Detection of N-glycans on the Notch1 receptor using an Enzyme Linked Lectin Assay (ELLA) in vitro”
Authors: Olayinka A, O'Connor B, Cahill PA.
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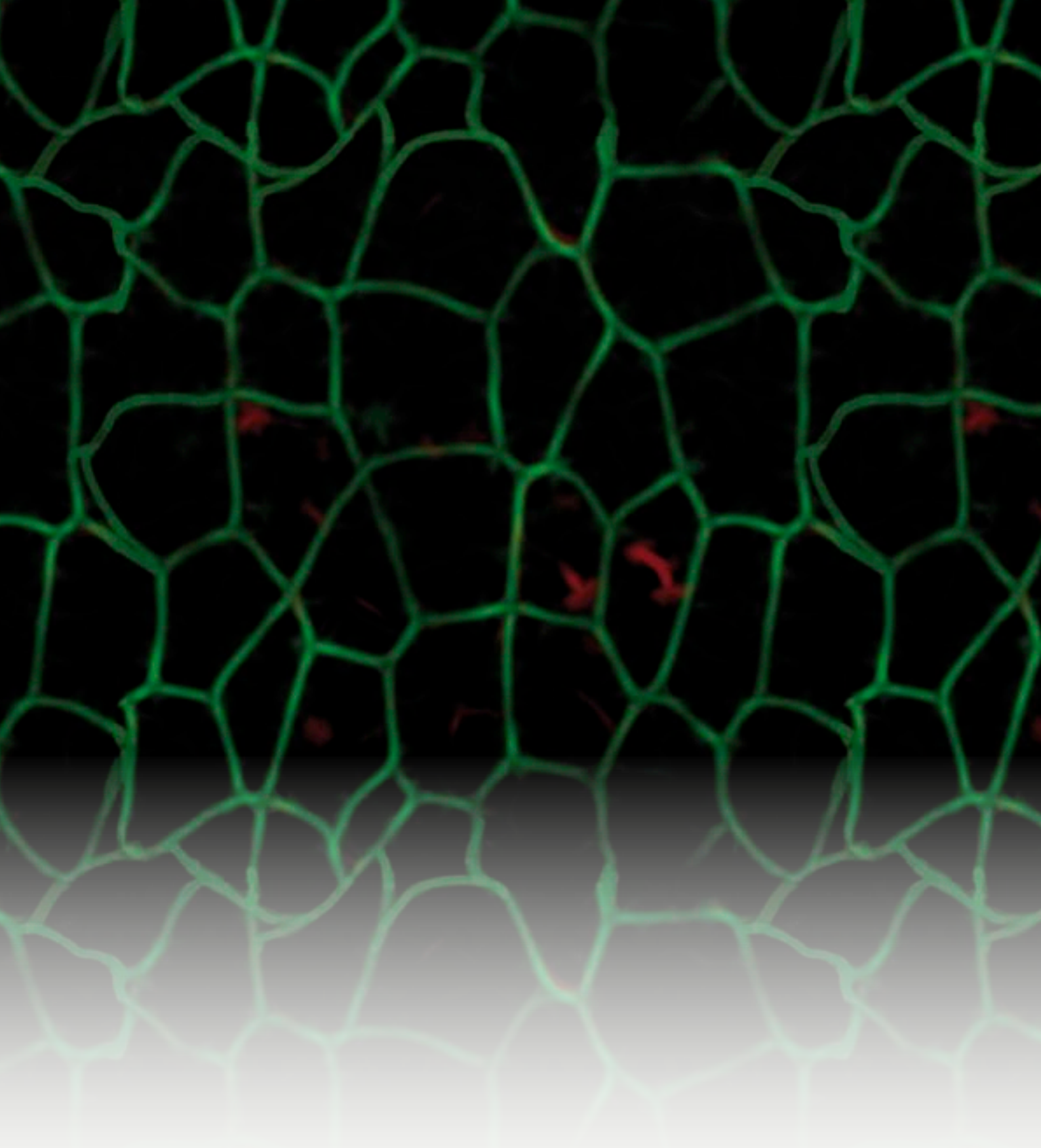
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