



The Notch Meeting XI

6-10 October 2019 • The Benaki Museum, Athens, Greece

Program

&

List of Participants

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FONDATION SANTÉ

www.TheNotchMeeting.org

The Notch Meeting XI

6– 10 October 2019
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. This year's meeting is the eleventh *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 Fondation Santé (www.FondationSante.org) and also by the generosity of additional sponsors.

Organizing Committee

Emma R. Andersson, Karolinska Institute, Sweden; **Susan Cole**, The Ohio State University, USA; **Silvia Fre**, Institut Curie, France; **Apostolos Klinakis**, Biomedical Research Foundation of the Academy of Athens, Greece; **Daniel Lafkas**, Genentech Inc., USA; **Philippos Mourikis**, IMRB-Mondor Biomedical Research Institute, France; **Cecilia Sahlgren**, Åbo Akademi University, Turku, Finland, and Eindhoven University of Technology, Eindhoven, The Netherlands; **Tomoko Yamakawa**, Osaka University, Japan;
Ex Officio: **Spyros Artavanis-Tsakonas**, Harvard Medical School, USA; **Stephen Blacklow**, Harvard Medical School, Dana Farber Cancer Institute, USA



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.

There will be **30** (20+10) minute and **15** (12+3) minute talks including discussions

SUNDAY, October 6

18:00 - 20:30 **Registration** – **Divani Palace Acropolis Hotel**, 19-25 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 Robertou Galli Street) at 8:15 and opposite the Amalia Hotel (Amalias Avenue) at 8:30 every morning.

MONDAY, October 7

09:00 – 09:15 **Opening Remarks**
Spyros Artavanis-Tsakonas (*Harvard Medical School, President of Fondation Santé, USA*)

09:15 – 10:15 **I. Notch in Tissue Patterning**
Chair: Silvia Fre (*Institut Curie, France*)

Ertuğrul Özbudak (*University of Cincinnati College of Medicine, USA*)
“Notch signaling curtails gene expression noise in the vertebrate segmentation clock” (20'+10')

Alexander Aulehla (*European Molecular Biology Laboratory (EMBL), Germany*)
“Collective Notch-signalling oscillations in embryonic mesoderm patterning” (20'+10')

10:15 – 10:45 **Poster Teasers**

10:45 – 11:15 **Coffee Break & Poster Session**

11:15 – 12:15 **I. Notch in Tissue Patterning** (*continued*)

Kim Dale (*University of Dundee, UK*)
“CDK1 and CDK2 regulate NICD1 turnover and the periodicity of the segmentation clock” (12'+3')

Palle Serup (*NovoNordisk Foundation Center for Stem Cell Biology (DanStem), Denmark*)

“Jag1 modulates an oscillatory Dll1-Notch-Hes1 signaling module to coordinate growth and fate of pancreatic progenitors” (20'+10')

Ana Pardo Saganta (*Center for Applied Medical Research- CIMA, Universidad de Navarra, Spain*)

“Airway stem cells regulate immune cells through a Notch-mediated mechanism” (12'+3')

12:15 – 13:15

Keynote Speaker

Julie Canman (*Columbia University, Department of Pathology and Cell Biology, USA*)

“Cytokinetic diversity and mechanisms that promote robust cell division”

13:15 – 14:30

Lunch Break

14:30 – 16:00

II. Neurogenesis

Chair: Tomoko Yamakawa (*Osaka University, Japan*)

Victor Borrell (*Instituto de Neurociencias, Spain*)

“Notch-Robo interactions in cortical neurogenesis during amniote evolution” (20'+10')

Diogo Castro (*Instituto Gulbenkian de Ciência, Portugal*)

“Addressing the role of mitotic bookmarking by transcription factors in vertebrate neurogenesis” (20'+10')

Yukiko Gotoh (*The University of Tokyo, Japan*)

“Regulation of adult neural stem/progenitor cell fate” (20'+10')

16:00 – 16:30

Coffee Break & Poster Session

16:30 – 18:30

II. Neurogenesis (*continued*)

Thomas Klein (*Heinrich-Heine-Universität Düsseldorf, Germany*)

“The meaning of ubiquitylation during Delta signaling” (20'+10')

Xavier Morin (*Institut de Biologie de l'Ecole Normale Supérieure (IBENS), France*)

“Asymmetric division, Notch signaling and neurogenesis in the embryonic spinal cord” (20'+10')

Hector Sanchez-Iranzo (*European Molecular Biology Laboratory (EMBL), L, Germany*)

“Jag1-Notch lateral inhibition and cell reorganization during cell differentiation in the zebrafish notochord” (12'+3')

Motoo Kitagawa (*International University of Health and Welfare, Japan*)

“TM2 domain containing 3, a mammalian homologue of Drosophila neurogenic gene product Almondex, regulates surface presentation of Notch receptors” (12'+3')

Sophie Salama (*University of California, Santa Cruz, USA*)

“NOTCH2NL and how the humans got their big brain” (20'+10')

TUESDAY, October 8

09:00 – 10:30

III. Stem Cells

Chair: Philippos Mourikis (*IMRB-Mondor Biomedical Research Institute, France*)

Anna Bigas (*Institut Hospital del Mar d' Investigacions Mèdiques (IMIM)-Spain*)

“Further insights on Notch regulation of hematopoietic stem cell generation in the embryo” (20'+10')

Carmen Birchmeier (*Max-Delbrueck-Centrum, Germany*)

“Dynamic Notch and MyoD expression controls expansion and differentiation of myogenic stem cells” (20'+10')

Christos Delidakis (*Institute of Molecular Biology and Biotechnology – Foundation for Research and Technology (IMBB-FORTH), Greece*)

“Dissecting Notch/Hes-centered transcriptional networks in neural stem cell maintenance and tumorigenesis in *Drosophila*” (20'+10')

10:30 – 11:00

Coffee Break & Poster Session

11:00 – 12:00

III. Stem Cells (continued)

Roshana Thambyrajah (*Institut Hospital del Mar d' Investigacions Mèdiques (IMIM), Spain*)

“Notch Signaling in HSC Development” (12'+3')

Ryoichiro Kageyama (*Kyoto University, Japan*)

“Regulation of active/quiescent neural stem cells by Notch signaling” (20'+10')

Adam Myszczyzyn (*Max Delbrueck Center for Molecular Medicine (MDC)-Germany*)

“A Long-term organoid model of the adult mouse kidney” (12'+3')

12:00 – 13:00

Poster Session 1

13:00 – 14:00

Lunch Break

14:00 – 15:45

III. Stem Cells (continued)

Chair: Cecilia Sahlgren (*Åbo Akademi University, Turku, Finland, and Eindhoven University of Technology, Eindhoven, The Netherlands*)

Sophie Jarriault (*Institute of Genetics and Molecular and Cellular Biology (IGBMC), France*)

“Dynamic Notch signal provides a cell with the competence to undergo direct reprogramming” (20'+10')

Linda Samuelson (*The University of Michigan, USA*)

“Notch pathway regulation of gastrointestinal stem cells” (20'+10')

Ginger Hunter (*Clarkson University, USA*)

“Cell shape and contractility promote Notch-mediated pattern formation” (20'+10')

Elena Lucchetta (*Columbia University Medical Center, USA*)

“Asymmetric localization of Delta during stem cell mitoses is induced by mechanotransduction in response to cell-specific deficits during organ growth” (12'+3')

15:45 – 16:30

Coffee Break & Poster Session

Afternoon: Visit the Acropolis

Please inform the secretariat at the conference venue if you are interested in participating.

www.TheNotchMeeting.org

WEDNESDAY, October 9

09:00 – 10:45

IV. New Tools to Study Notch

Chair: Daniel Lafkas (*Genentech Inc., USA*)

Rui Benedito (*Centro Nacional de Investigaciones Cardiovasculares, Spain*)
“Barcoded genetic mosaics to study the role of Notch in single cells and their lineages” (20'+10')

Francois Schweisguth (*Institut Pasteur, France*)
“Self-organization and patterning dynamics” (20'+10')

Freddy Suarez Rodriguez (*Åbo Akademi University, Finland*)
“Vimentin regulates Notch signaling strength and arterial remodeling in response to hemodynamic forces” (12'+3')

Sarah Bray (*Cambridge University, UK*)
"Exploring how enhancers decode Notch signals in real time" (20'+10')

10:45 – 11:15

Coffee Break & Poster Session

11:15 – 12:30

V. Tissue Morphogenesis

Chair: Emma Andersson (*Karolinska Institute, Sweden*)

Tommaso Ristori (*Eindhoven University of Technology & Åbo Akademi, Holland*)
“Jagged1-Notch3 lateral induction limits the impact of cell connectivity on Notch signalling in arteries” (12'+3')

Angelika Doetzlhofer (*Johns Hopkins University, School of Medicine, USA*)
“Novel roles of Notch signaling in cochlear supporting cell development” (20'+10')

Lucy Liaw (*Maine Medical Center Research Institute, USA*)
“Notch activation leads to pathological conversion of mouse perivascular adipose tissue” (20'+10')

12:30 – 13:30

Poster Session 2

13:30 – 14:30

Lunch Break

14:30 – 15:45

VI. Notch in Disease

Chair: Apostolos Klinakis (*Biomedical Research Foundation of the Academy of Athens, Greece*)

Chris Siebel (*Genentech, USA*)
“Notch control of cell fate in the normal and cancerous liver” (20'+10')

Mateusz Antoszewski (*Swiss Institute for Experimental Cancer Research, Ecole polytechnique fédérale de Lausanne (EPFL), Switzerland*)
“Tcf-1 epigenetically regulates initiation of Notch1-driven T-ALL” (12'+3')

Penny Handford (*University of Oxford, UK*)
“Insights into the role of the Jagged-1 C2 domain in modulating Notch signal” (20'+10')

15:45 – 16:15

Coffee Break & Poster Session

16:15 – 18:00

VI. Notch in Disease (*continued*)

Andrew P. Weng (*BC Cancer Agency, Canada*)

“Notch targets in the initial transformation of human T-cell progenitors” (20'+10')

John Ngo (*Boston University, USA*)

"Insights into Notch regulation via SynNotch engineering" (20'+10')

Simona Hankeova (*Karolinska Institutet, Sweden*)

“Jag1 as a gatekeeper of vascular homeostasis in Alagille syndrome” (12'+3')

Jon Aster (*Brigham and Women's Hospital, USA*)

“Identification of a pro-differentiation Notch-IER5-PP2A signaling axis in squamous epithelial cells” (20'+10')

20:00

Dinner **Oineas Restaurant** (9 Esopou St., Psirri)

THURSDAY, October 10

09:00 – 10:30

VII. Molecular Mechanisms of Notch Action

Chair: Susan Cole (*The Ohio State University, USA*)

Wendy Ryan Gordon (*University of Minnesota, USA*)

“Using Notch signaling to study receptor proteolysis” (20'+10')

David Sprinzak (*Tel Aviv University, Israel*)

“Enhancer architecture sensitizes cell specific responses to Notch gene dose via a bind and discard mechanism” (20'+10')

Pamela Stanley (*Albert Einstein College of Medicine, USA*)

“Deciphering the Fringe Code In Vivo” (20'+10')

10:30 – 11:00

Coffee Break & Poster Session

11:00 – 12:45

Stephen Blacklow (*Harvard Medical School, USA*)

“A molecular mechanism for feedback inhibition of Notch signaling” (20'+10')

Diana Marie Ho (*Harvard Medical School, USA*)

“Differential regulation of apoptosis and hyperplasia downstream of the Notch-JNK signaling axis” (20'+10')

Lluc Mosteiro (*Genentech, USA*)

“Notch blockade induces metabolic changes that may reflect a cell fate switch” (12'+3')

Julia Falo-Sanjuan (*University of Cambridge, UK*)

“Enhancer priming enables fast and sustained transcriptional responses to Notch signaling” (20'+10')

12:45

Closing remarks

Spyros Artavanis-Tsakonas

13:00

Lunch

POSTER SESSION

1. Johanna K. Ahlskog (*Åbo Akademi University, Finland*)

“The Notch pathway counteracts replication stress to prevent cancer cell senescence”

Authors: Johanna K. Ahlskog, Emma Suhonen, Cecilia Sahlgren

2. Eric J. Aird (*University of Minnesota, USA*)

“SNAPS: A toolkit for studying cell surface shedding of diverse transmembrane receptors”

Authors: Amanda N. Hayward, Eric J. Aird, Wendy R. Gordon

3. Daniel Antfolk (*Abo Akademi University, Finland*)

“A functional genetic screen to reveal new regulators of Jagged endocytosis”

Authors: Daniel Antfolk, Antti Arjonen, Marjaana Parikainen, Johanna Ivaska, Cecilia Sahlgren

4. Martin Baron (*University of Manchester, UK*)

“Notch regulation through membrane subcompartmentalisation on the endosomal surface”

Authors: Hideyuki Shimizu, Martin Baron

5. Álvaro Carmona Pestaña (*La Sapienza, University of Rome, Italy*)

“Histone modifiers driving Notch context-dependent activity in cancer”

Authors: Álvaro Carmona Pestaña, Sara Lazzari, Nadezda Zhdanovskaya, Mariarosaria Firrincieli, Claudio Talora, Isabella Screpanti and Rocco Palermo.

6. Jamie Catalano (*Brown University, USA*)

“Scabrous regulates a switch from alcohol aversion to preference”

Authors: Catalano J., Mei N., Azanchi R., Song S., Blackwater T., Feyder, M., Kaun K.R.

7. Eoin Corcoran (*Dublin City University, Ireland*)

“The role of N-glycosylation in Notch signal activation and resident vascular stem cell fate”

Authors: Eoin Corcoran, Abidemi Olayinka, Mariana Di Luca, Brendan O'Connor, Paul A. Cahill

8. Lydie Couturier (*Institut Pasteur, France*)

“Regulation of specific Enhancer of split-HLH genes by proneural factors shapes Notch output dynamics during bristle patterning in *Drosophila*”

Authors: Lydie Couturier, Khalil Mazouni, Francis Corson, François Schweisguth

9. Natalie M. D'Silva (*Brown University, USA*)

“Scabrous-Notch regulation of alcohol associated memories”

Authors: Natalie M. D'Silva, Emily Petrucci, Michael Feyder, Nicholas Ledru, Katie S. McCullar, Tyler Blackwater, Reza Azanchi, Karla R. Kaun

10. Pavel Docshin (*Almazov Medical Research Centre, Russia*)

“Notch-dependent mechanisms of regenerative potential activation in cardiac mesenchymal cells”

Authors: Docshin Pavel, Karpov Andrey, Malashicheva Anna

11. Natanel Eafergan (*Tel Aviv University, Israel*)

“Live imaging of NICD occupancy on a single locus”

Authors: Natanel Eafergan, Yi Kuang, Ohad Golan, Kristina Preusse, Brittany Cain, Joseph Salomone, Ian Campbell, FearGod V. Okwubido-Williams, Matthew R. Hass, Kenneth H. Moberg, Rhet A. Kovall, Brian Gebelein, Raphael Kopan, David Sprinzak

12. William Eccleshall (*University of Turku/Åbo Akademi, Finland*)

“Notch3 RAM domain phosphorylation by PIM kinases regulates estrogen-driven growth of ER+ breast cancer cells”

Authors: Sebastian K.-J. Landor, Niina M. Santio, William Eccleshall, Kwan Long Mung, Valeriy M. Paramonov, Päivi J. Koskinen, Cecilia Sahlgren

13. Abigail Edwards (*The University of Manchester, UK*)

“Targeting IL-1 signalling in Notch-driven breast cancer”

Authors: Abigail Edwards, Michael Leverentz, Olivier Meurette, Rachel Eyre, Robert Clarke, Andrew Gilmore, Keith Brennan

14. Carolyn Engel-Pizcueta (*Universitat Pompeu Fabra, Spain*)

“Exploring the rhombomeric boundary cell population stemness properties”

Authors: Carolyn Engel-Pizcueta, Covadonga F. Hevia, Cristina Pujades

15. Macarena Fernández-Chacon (*Spanish National Center for Cardiovascular Research, Spain*)

“Unraveling Notch signalling in quiescent blood vessels”

Authors: Macarena Fernández-Chacon, Rui Benedito

16. Eleni Foteinou (*University of Manchester, UK*)

“Dissecting the different functional effects of Notch cancer-associated mutations within the ligand binding region of the receptor”

Authors: Eleni Foteinou, Hideyuki Shimizu, Fiona Blackhall, Martin Baron

17. Giulia Franciosa (*NNF-CPR, Copenhagen University, Denmark*)

“Proteomics of resistance to Notch1 inhibition reveals targetable kinase signatures”

Authors: Giulia Franciosa, Jos Smits, Dorte Bekker-Jensen, Jesper Velgaard Olsen

18. Maria Valeria Giuli (*Sapienza University of Rome, Italy*)

“Notch3-Pin1 crosstalk in ovarian cancer: from molecular mechanism dissection to therapeutic application”

Authors: M.V. Giuli, E Giuliani, A Mancusi, G Franciosa, JV Olsen, I Screpanti, S Checquolo

19. Eugenia Giuliani (*Sapienza University of Rome, Italy*)

“Notch3 contributes to T-cell leukemia growth via regulation of the unfolding protein response”

Authors: Eugenia Giuliani, Maria Valeria Giuli, Giulia Diluvio, Giulia Franciosa, Maria Pelullo, Isabella Screpanti, Saula Checquolo

20. Maria J Gomez-Lamarca (*University of Cambridge, UK*)

“Activation of the Notch signaling pathway in vivo elicits changes in CSL nuclear dynamics”

Authors: Maria J Gomez-Lamarca, Julia Faló-Sanjuan, Robert Stojnic, Sohaib Abdul Rehman, Leila Muresan, Matthew Jones, Zoe Pillidge, Gustavo Cerda-Moya, Zhenyu Yuan, Sarah Baloul, Kevin O'Holleran, Rhett Kovall, Sarah J. Bray

21. Uttam Lakshmi Mounika Goruganthu (*The Ohio State University, USA*)

“A soluble, monovalent form of the NOTCH ligand Jagged1 (sJag1) is an immunomodulatory agent”

Authors: Uttam Lakshmi Mounika Goruganthu, Elena Tchekneva, Longzhu Piao, Anil Shanker, Mikhail Dikov, David Carbone

22. Marc Haenlin (*CNRS/University Toulouse, France*)

“Control of RUNX–induced repression of Notch signaling by MLF and its partner DnaJ-1 during *Drosophila* hematopoiesis”

Authors: M. Miller, A. Chen, V. Gobert, B. Augé, M. Beau, O. Burlet-Schiltz, M. Haenlin and L. Waltzer

23. Samira S Hosseini Alghaderi (*University of Manchester, UK*)

“Investigation of Notch3 trafficking and processing in the endosomal pathway”

Authors: Samira S Hosseini Alghaderi, Tao Wang, Keith Brennan, Martin Baron

24. Huyghe Mathilde (*Intitut Curie, France*)

“Identification of novel genes essential for maintenance of intestinal stem cells”

Authors: Huyghe Mathilde, Jacquemin Guillaume, Fre Silvia

25. Leanna Rose Joy (*National Center for Biological Sciences, India*)

“Oncogenic cell extrusion in cervical cancers: Integration with Notch signaling”

Authors: Leanna Rose Joy, Biswajit Sahoo, Sasikala PS, Sudhir Krishna

26. J. Kim (*Institut Pasteur Paris, France*)

“Measuring Notch signaling range during bristle patterning in *Drosophila*”

Authors: J Kim, K Mazouni, S Herbert, L Couturier, F Corson & F Schweisguth

27. Ute Koch

“Tcf-1 Epigenetically Regulates Initiation of Notch1-driven T-ALL”

Authors: M. Antoszewski, U. Koch, N. Zanger, C. Dubey, M. Nkosi, T. Sugrue, F. Radtke

28. Paivi J. Koskinen (*University of Turku, Finland*)

“Pim kinases as modulators of Notch activity”

Authors: Niina M. Santio, Sebastian K.-J. Landor, William Eccleshall, Kwan Long Mung, Valeriy Paramonov, Urban Lendahl, Cecilia Sahlgren and Paivi J. Koskinen

29. A. Kostina (*Almazov National Medical Research Centre, Russia*)

“Notch-dependent regulation of osteogenic differentiation of interstitial cells from human aortic valve”

Authors: Kostina A, Kiselev A, Semenova D, Irtyuga O, Kostareva A, Malashicheva A.

30. Aikaterini Lampada (*University of Basel, Switzerland*)

“Notch signaling controls quiescent neural stem cells in a non-neurogenic region of the adult brain”

Authors: Aikaterini Lampada, Chiara Rolando, Anna Engler, and Verdon Taylor

31. Sebastian K.-J. Landor (*Åbo Akademi, Finland*)

“AKT isoforms differentially regulate Notch2/3 output”

Authors: Sebastian K. -J. Landor, Cecilia Sahlgren

32. Vincent C. Luca (*Moffitt Cancer Center, USA*)

“Structure-guided engineering of broadly reactive human DLL4 ligands”

Authors: David Gonzalez-Perez, Elliot Medina, Vincent C. Luca

33. Samarpan Majumder (*LSUHSC, New Orleans, Louisiana, USA*)

“A novel, first in class Notch transcriptional inhibitor, CB-103 has activity on luminal breast cancer stem cells in combination with fulvestrant”

Authors: Samarpan Majumder, Deniz Ucar, Judy Crabtree, Fokhrul Hossain, Maximilian Murone, Rajwinder Lehal, Freddy Radtke and Lucio Miele

34. Torcato Martins (*University of Cambridge, UK*)

“Insights on how membrane composition affects Notch signaling”

Authors: Torcato Martins, Penny Handford, Susan Lea and Sarah Bray

35. Alex Marzilli (*Department of Biomedical Engineering, Boston University, USA*)

“DNA-based proximity detection of protein interactions in situ and applications to Notch”

Authors: Alex Marzilli and John T. Ngo

36. Mašek J. (*Karolinska Institute, Sweden*)

“Notch toolbox: mammalian reporter system for controlled dissection of Notch signaling pathway”

Authors: Mašek J., Vervuurt Ch., Jin S., Lendahl U., Andersson E.R.

37. Katie S. McCullar (*Brown University, USA*)

“Alcohol modifies Alzheimer’s Disease pathology through Notch signaling”

Authors: Katie S. McCullar, Reza Azanchi, Karla Kaun

38. G. Monticone (*Louisiana State University Health Sciences Center, USA*)

“Targeting Notch1 via adenosine A2A receptor to modulate anti-tumor immunity”

Authors: Monticone G., Hossain F., Ucar A.D., Majumder S., Sorrentino C., Rodriguez P.C., Sierra R.A., Pannuti A., Osborne B.A., Minter L.M., Morello S. and Miele L.

39. Adam Myszczyzyn (*Max Delbrueck Center for Molecular Medicine (MDC), Germany*)

“Notch(GOF), β -catenin(GOF) and VHL(LOF) in mouse kidneys using inducible Pax8-Cre”

Authors: Adam Myszczyzyn, Walter Birchmeier, Annika Fendler

40. Francesca Nardoza (*Sapienza University of Rome, Italy*)

“Jag1-ICD reverse signalling sustains CRC progression and chemoresistance”

Authors: Francesca Nardoza, Maria Pelullo, Sabrina Zema, Isabella Screpanti and Diana Bellavia

41. Rasmus Niemi (*Åbo Akademi University, Finland*)

“Notch increases the angiogenic output from breast CSCs”

Authors: Rasmus Niemi, Malin Berg, Pauliina Kronqvist, Sinikka Collanus, Cecilia Sahlgren

42. Daniel V. Oliveira (*Karolinska Institute, Sweden*)

“Notch3 immunotherapy in a CADASIL mouse model”

Authors: Daniel V. Oliveira, Kirsten G. Coupland, Dan Wu, Shaobo Jin, Rhys Fox, Julie W. Rutten, Johan Lundkvist, Urban Lendahl, Saskia Lesnik Oberstein, and Helena Karlström

43. Andrea Orlando (*Sapienza University of Rome, Italy*)

“Tumor environment and development of Notch-dependent T-cell Acute Lymphoblastic Leukemia are strongly influenced by NF- κ B1/p50”

Authors: Paola Grazioli, A. Orlando, Claudia Noce, N. Giordano, G. Peruzzi, Isabella Screpanti and Antonio Francesco Campese

44. Sara Ortica (*Pasteur Institute, France*)

“Novel transgenic lines reporting Notch3 subcellular localization and signaling in the zebrafish central nervous system”

Authors: Sara Ortica, Nicolas Dray, Bastian Rochette, Laure Bally-Cuif

- 45. Varvara Paraskevopoulou** (*Biomedical Research Foundation, Academy of Athens, Greece*)
 “Notch pathway controls epithelial integrity in the mouse urinary bladder”
 Authors: Varvara Paraskevopoulou, Vangelis Bonis, Nikolaos Paschalidis, Vasilis S. Dionellis, Eleni Vasilaki, Pelagia Melissa, Ioannis S. Pateras and Apostolos Klinakis
- 46. Remy Peace** (*Boston University, USA*)
 “Engineering light-inducible synthetic Notch receptors”
 Authors: Remy Peace, John Ngo
- 47. Kseniya Perepelina** (*Federal Almazov Medical Research Centre, Russia*)
 “LMNA mutations influence Notch during osteogenic differentiation of human mesenchymal cells in tissue-specific manner”
 Authors: Kseniya Perepelina, Polina Klauzen, Anna Kostareva, Anna Malashicheva
- 48. Eric Perkey** (*University of Michigan, USA*)
 “Notch ligands and peptide antigens derive from distinct cellular sources during in vivo T cell activation”
 Authors: Eric Perkey, Leolene Carrington, Alexander Dils, David Granadier, Todd Brennan, Burkhard Ludewig, Ute Koch, Freddy Radtke, Christian Siebel, Nathalie Labrecque, Ivan Maillard
- 49. Meghan Perkins** (*Institut Curie, France*)
 “Mechanisms underlying cell fate specification and oncogenesis in the mammary gland”
 Authors: Meghan Perkins, Silvia Fre
- 50. Kristina Ruhnau** (*Heinrich-Heine University, Institute of Genetics, Germany*)
 “Investigating the role of mammalian CC2D1A and CC2D1B in the endosomal trafficking and regulation of the activity of the Notch signaling pathway”
 Authors: Kristina Ruhnau, Nadja Drusenheimer and Thomas Klein
- 51. Sasikala Sachithanandan** (*National Center for Biological Sciences, TIFR, Bangalore, India*)
 “Transcriptional regulation of super enhancer driven CCND2 expression by HES1: Implications in plasma cell malignancies”
 Authors: Sasikala Sachithanandan (1), Deepak Arya (1), Bharat Saravanan (1), Shuling Zhang (2), Beverly Mock (2), Dimple Notani (1), Sudhir Krishna (1) 1-National Center for Biological Sciences, TIFR, Bangalore, India. 2-National Cancer Institute, NIH, Bethesda, USA.
- 52. Jose Luis Salazar** (*Baylor College of Medicine, USA*)
 “Almondex is required for neural maintenance and developmental Notch signaling in Drosophila”
 Authors: Jose Luis Salazar, David Li-Kroeger, Sheng-An Yang, Willie Lin, Paul Marcogliese, Shinya Yamamoto
- 53. Héctor Sánchez-Iranzo** (*European Molecular Biology Laboratory (EMBL), Germany*)
 “Jag1-Notch lateral inhibition and cell reorganization during cell differentiation in the zebrafish notochord”
 Authors: Héctor Sánchez-Iranzo, Jonas Hartmann, Alba Diz-Muñoz
- 54. Ekaterina Seib** (*Heinrich-Heine-University, Institute of Genetics, Germany*)
 “The role of ubiquitination for Ser-mediated Notch signaling”
 Authors: Ekaterina Seib, Thomas Klein
- 55. Daria S. Semenova** (*Almazov National Medical Research Centre, Russia*)
 “Mechanisms of Notch-dependent Intercellular Communications in Aortic Valve Calcification”
 Authors: Semenova DS, Kostina AS, Irtyuga OB, Moiseeva OM, Malashicheva AB
- 56. Vijay Setaluri** (*University of Wisconsin-Madison, USA*)
 “Notch acts as tumor suppressor in melanomagenesis and melanoma drug resistance”
 Authors: Vijay Setaluri, Daren Mikheil, Kirthana Prabhakar, Carlos Rodriguez, Ayyan Arshad and Michael Newton
- 57. Marika Sjöqvist** (*Åbo Akademi University, Finland*)
 “Bioelectronic activation of Notch – possibilities for Notch targeted regenerative therapies”
 Authors: Marika Sjöqvist, Sami Sanlidag, Zahra Gounani, Luisa Torsi, Ronald Österbacka, Cecilia Sahlgren
- 58. Ioanna Smyrlaki** (*Karolinska Institutet, Sweden*)
 “DNA Origami nanocalipers as a Precise Tool to study clustering of Notch receptor”
 Authors: Ioanna Smyrlaki, Ana I. Teixeira and Björn Högberg
- 59. Celine Souilhol** (*Sheffield University, UK*)
 “Role of mechanosensitive Notch signaling in atherosclerosis”
 Authors: C. Souilhol, L. Canham, J. Xueqi, A. Pardoe, PC. Evans.

60. Laura Southgate (*St George's University of London, UK*)

“Dysregulation of DLL4-mediated NOTCH1 signalling in the developmental disorder Adams-Oliver syndrome”

Authors: Laura Southgate, Josephina Meester, Maja Sukalo, Martin Zenker, Wim Wuyts

61. Oscar Stassen (*Åbo Akademi University, Finland*)

“A screen for shear stress specific Jagged1 interactors in endothelial cells”

Authors: Oscar Stassen, Rob Driessen, Jaakko Ahlberg, Petra Jansen, Feihu Zhao, Garry Corthals, Carlijn Bouten, Cecilia Sahlgren

62. Sintia Teichman (*Sunnybrook Research Institute, Canada*)

“Elucidating the role of Notch signaling during T cell homeostasis and function in a T cell transfer model of colitis”

Authors: Sintia Teichman, Elisabeth Foerster, Dana Philpott, Juan Carlos Zuniga-Pflucker

63. Jonathan M. Townson (*University of Cambridge, UK*)

“Achieving precise spatial and temporal control of Notch activity with optogenetics”

Authors: Jonathan M. Townson, Maria J. Gomez-Lamarca, Sarah J. Bray

64. Georgia Tsaouli (*Sapienza University of Rome, Italy*)

“Deregulation of the early stages of T-cell development by Notch3 in an acute T-cell leukemia model”

Authors: Tsaouli G, Bernardini G, Ferrandino F, Peruzzi G, Cossa F, Vacca A, Screpanti I, Felli MP.

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65. Francesco Veceli Dalla Sega (*Maria Cecilia Hospital, GVM Care & Research, Italy*)

“Jagged1 and Dll4 dysregulation is linked to calcific aortic valve disease”

Authors: Francesco Veceli Dalla Sega, Francesca Fortini, Elisa Mikus, Paolo Cimaglia, Luisa Marracino, Roberto Ferrari, Gianluca Campo, Paola Rizzo

66. Tomoko Yamakawa (*Osaka University, Japan*)

“The cell-type specific functions of an ER modulating factor, Pecanex in Notch and Wnt signaling pathways”

Authors: Tomoko Yamakawa, Kenji Matsuno

67. Shinya Yamamoto (*Baylor College of Medicine, USA*)

“Peculiar behavior of human NOTCH transgenes in vivo in Drosophila”

Authors: Sheng-An Yang, Paul C. Marcogliese, Jose L. Salazar, Ashley Phillips, Dongyu Jia, Shinya Yamamoto

68. Matthieu Zeronian (*Utrecht University, The Netherlands*)

“Biophysical studies on purified Notch1 and Jagged1 ectodomains”

Authors: Matthieu Zeronian, Dominique Thies-Weesie, Bert Janssen

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