

The Notch Meeting VII

6-10 OCTOBER 2013 ♦ ATHENS, GREECE

Program

&

List of Participants

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The Notch Meeting VII

6 – 10 October 2013
Athens, Greece

The diversity of experimental systems used to study the effects of Notch signaling, the pleiotropy of Notch signals, and an increased appreciation of Notch involvement in disease made the Notch field explode in the past decade. In 2007 we launched an annual Notch research meeting that has been bringing the Notch community together in Athens. The meetings alternate between a general meeting as the one this year with thematically focused smaller workshops. The first such workshop on Notch and Cancer was held in 2008, the second, on Notch and Stem Cells was held in 2010, and the third, on Notch and Trafficking was held in 2012.

This seventh Notch meeting is designed, as always, to allow us to become better informed about what is happening in spheres of interest not immediately connected with our own, get a feeling about trends and exciting developments, explore medical Notch applications, and 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

Allison **Bardin**, Institut Curie, France; Nikos **Giagtzoglou**, Baylor College of Medicine Jan and Dan Duncan Neurological Research Institute, USA; Apostolos **Klinakis**, Biomedical Research Foundation of the Academy of Athens, Greece; Angeliki **Louvi**, Yale School of Medicine, USA; Lisa **Minter**, University of Massachusetts Amherst, USA; David **Sprinzak**, Tel-Aviv University, Israel; Lan **Zhou**, Case Western Reserve University, 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 20 minute and 10 (*) minute talks including 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 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 every morning)

MONDAY, October 7

09:00 – 09:10 **Opening Remarks**
Spyros **Artavanis-Tsakonas** (Harvard Medical School, USA)

09:10 – 11:00 **I. Signal Integration**
Chair: **Angeliki Louvi**

Spyros Artavanis-Tsakonas (Harvard Medical School, USA)
“Notch Proteomics and Genetics”

Keith Brennan* (University of Manchester, UK)
“Notch can inhibit Wnt signalling through two distinct mechanism”

Apurva Sarin (National Centre for Biological Sciences, India)
“Notch activity at ER-Mitochondria junctions regulates calcium dynamics and mitochondrial function”

Philippos Mourikis* (Pasteur Institute, France)
“Identification of Notch/CSL regulated enhancers in skeletal muscle cells”

Aaron Proweller* (Case Western Reserve University, USA)
“Arterial Vasoregulation by Smooth Muscle Notch Signaling”

Diana Ho* (Harvard Medical School, USA)
“Synergy between Notch and Src leads to hyperproliferation and invasiveness in Drosophila”

Sarah Bray (Cambridge University, UK)
“Decoding the Notch signal”

11:00 – 11:30

Coffee Break

11:30 – 12:30

I. Signal Integration *(continued)*

Chair: **Angeliki Louvi**

Mark Fortini (Thomas Jefferson University, USA)

“Requirement for ZIP7 zinc transporter activity in Notch trafficking and signaling”

Giulia Felician* (ICGEB, Italy)

“Open chromatin conformation at Notch1 target genes sustains neonatal cardiomyocyte proliferation”

Leonor Gama-Norton* (Fundació IMIM, Spain)

“Loss of endothelial identity precedes hematopoietic specification in a Jagged1-dependent manner in the embryonic aorta”

Alena Krejci (University of South Bohemia, Czech Republic)

“The interplay between Notch signalling and metabolism in *Drosophila*”

12:30 – 13:00

Poster Teasers

Chair: **David Sprinzak**

13:00 – 14:30

Lunch Break

14:30 – 16:40

II. Cell Fates

Chair: **Allison Bardin**

Joel Rothman (University of California Santa Barbara, USA)

“Essential role for Notch signaling in restricting developmental plasticity and cellular reprogramming”

Mohamed Nemir* (University of Lausanne Medical School, Switzerland)

“Control of cardiac progenitor cell expansion and differentiation via the Notch pathway”

Kim Dale* (Dundee University, UK)

“Regulation of cell fate choice in the embryonic organiser and in the spinal cord by Notch”

Roland Le Borgne (Université de Rennes 1, France)

“Linking cell cycle to asymmetric cell division -episode II- Aurora-A controls Numb activity during asymmetric cell division?”

Martin Baron* (University of Manchester, UK)

“Reversible regulation of stem cell niche size through dietary control of Notch signalling”

Freddy Radtke (École Polytechnique Fédérale de Lausanne, Switzerland)

“Multiple roles for Notch in anterior eye structures during development and disease”

Ahmet Acar* (University of Manchester, UK)

“A Key Regulatory Role for Notch Signalling in the Myofibroblastic Differentiation of CAFs”

Jane-Lise Samuel* (Inserm UMR-S942, France)

“Notch3 is an important mediator of cardiac adaptation to pressure overload”

Anne Hart (Brown University, USA)

“Notch regulation of sleep and stress response in *C. elegans*”

16:40 – 17:15

Coffee Break

17:15 – 19:00

III. Receptors/Ligands

Chair: Allison Bardin

Jan Kitajewski (Columbia University, USA)

“Notch ligands regulate angiogenesis via distinct mechanisms”

Andreas Fischer* (German Cancer Research Center Heidelberg, Germany)

“SYNJ2BP is a novel modulator of DLL4-Notch signaling during angiogenesis”

Jessica Kast* (Institute for Stroke and Dementia Research Munich, Germany)

“Latent TGF beta-binding protein 1 (LTBP-1) accumulates in Notch3 aggregates in patients with Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy”

Kristina Preuße* (Institute for Molecular Biology, MHH, Germany)

“The Notch ligands DLL1 and DLL4 are functionally divergent”

Lauren LeBon* (Caltech, USA)

“Fringe modulation of Notch-ligand cis interactions leads to novel signaling states”

David Sprinzak (Tel-Aviv University, Israel)

“The dependence of Notch signaling on membrane diffusion and contact area”

TUESDAY, October 8

09:00 – 11:00

IV. Mechanistic Aspects

Chair: David Sprinzak

Stephen Blacklow (Dana Farber Cancer Institute and Brigham and Women's Hospital, Harvard Medical School, USA)

“Structure and Function of MIB1”

Francis Muganthia- Kobia* (IFOM, Istituto FIRC di Oncologia Molecolare, Italy)

“Pharmacologic inhibition of vacuolar H⁺ ATPase reduces physiologic and oncogenic Notch signaling”

Robert Haltiwanger (Stony Brook University, USA)

“Analyzing Molecular Mechanisms for Fringe-mediated Alterations in Notch Activity”

Chiara Collesi* (ICGEB, Trieste, Italy)

“Acetylation tunes Notch1 signaling in cardiomyocytes”

Aster Juan* (National Institutes of Health, USA)

“Notch impedes Polycomb repressive complex (PRC2) enzymatic activity to control histone methylation and gene expression”

Hugo Bellen (Baylor College of Medicine, USA)

“Drosophila Tempura, a Novel Protein Prenyltransferase alpha Subunit, Regulates Notch Signaling via Rab1 and Rab11”

Andreas Kraemer* (Leibniz Institut for Age Research, Germany)

“A microscope-based high-throughput screen identifies novel compounds/proteins interfering with Notch trafficking/processing”

Marta Ibañes* (University of Barcelona, Spain)
“Competition for Notch signaling and its effects on patterning”

11:00– 11:30 **Coffee Break**

11:30 – 12:30 **Thomas Walz** (Harvard Medical School, USA)
“Pushing the limits of molecular electron microscopy”

12:30 – 13:30 **Poster Session**

13:30 – 15:00 **Lunch Break**

15:00 – 17:00 **IV. Mechanistic Aspects** (*continued*)
Chair: David Sprinzak

Hamed Jafar-Nejad (Baylor College of Medicine, USA)
“Regulation of Notch signaling by O-glycans”

Kenji Matsuno (Osaka University, Japan)
“A novel role of *O*-fucose monosaccharide on *Drosophila* Notch in the activation of Notch signaling”

Robert Fleming* (Trinity College, USA)
“Defining Sequences for Notch Activation Using Serrate Minigenes”

Patrizia Hanecker* (Institute for Stroke and Dementia Research, Germany)
“Identification of small-molecule inhibitors of Notch3 aggregation in vitro”

Marc Hammarlund (Yale School of Medicine, USA)
“Notch signaling regulates axon regeneration by controlling intracellular trafficking”

Kazuuya Hori* (Harvard Medical School, USA)
“Regulation of Notch signal by a lysosomal associated transmembrane protein”

Nikos Giagtzoglou (Baylor College of Medicine, USA)
“Exploring the role of Notch signaling pathway in neuronal function and maintenance”

WEDNESDAY, October 9

09:00 – 11:00 **V. Immunology**
Chair: Lan Zhou

Iannis Aifantis (NYU School of Medicine, USA)
“Genome-wide mapping and functional characterization of novel NOTCH-regulated long non-coding RNAs (LncRNAs) in acute leukemia”

Ivan Maillard* (University of Michigan, USA)
“Notch signaling regulates T cell accumulation and function in the central nervous system during experimental autoimmune encephalomyelitis”

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

Barbara Osborne (University of Massachusetts, USA)
“Non-canonical Notch signaling regulates CD4+ T cell function”

Manuel Coutaz* (University of Lausanne, Switzerland)
“Role of Notch receptor signaling in CD4 T helper 17 cell differentiation”

Lisa Minter (University of Massachusetts/Amherst, USA)
“Cytosolic NOTCH1 can interact with components of the T cell signalosome to mediate T cell activation”

Nathalie Labrecque* (University of Montreal, Canada)
“Notch signalling tunes the CD8 T cell effector response”

Dimitris Skokos* (Regeneron Pharmaceuticals, USA)
“Notch Signaling at the Crossroad of Immuno-Metabolism”

11:00 – 11:30

Coffee Break

11:30 – 13:30

VI. Stem Cells

Chair: Apostolos Klinakis

Christos Delidakis (IMBB, FoRTH, Greece)
“Target gene analysis in larval neuroblasts reveals tissue specificity in the Notch response”

Benjamin Ohlstein (Columbia University Medical Center, USA)
“Precise regulation of stem cell number in the Drosophila adult midgut: Implications for regulation of Notch signaling”

Allison Bardin (Institut Curie, France)
“Regulation of Notch signaling in the Drosophila intestine”

Amir Orian* (Technion-IIT, Israel)
“Notch-dependent and independent roles of dHey in gut homeostasis”

Shan Sockanathan (Johns Hopkins University, USA)
“Regulating neurogenesis: novel enzymatic control of Notch signaling”

Silvia Fre (Institut Curie, France)
“Notch lineages in the mouse mammary gland”

Erika Lopez-Arribillaga* (Fundació IMIM, Spain)
“Essential regulation of Bmi1 downstream of Notch and β -catenin in intestinal stem cells”

13:30 – 15:00

Lunch Break

15:00 – 17:00

VII. Haematopoiesis/Blood Tumors

Chair: Lisa Minter

Andrew Weng (BC Cancer Agency, Canada)
“Notch Induces Differential Leukemogenic Programs in Fetal and Adult Hematopoietic Progenitors”

Justine Roderick* (University of Massachusetts Medical School, USA)
“Targeting NOTCH1 and C-MYC in humanized models of relapsed and induction failure pediatric T-ALL”

Anna Bigas (IMIM, Spain)
“The importance of Wnt/ β -catenin signaling in Notch leukemogenic activity in T-cells”

Elena Farmaki* (University of Athens Medical School, Greece)
“Non-Cell-Autonomous Induction of Lymphoproliferative Disorder by Activation of Notch Signaling in Stromal Fibroblasts”

Lan Zhou (Case Western Reserve University, USA)
“Hematopoietic suppression and microenvironment alterations by leukemia-mediated Notch Activation”

Antonio Francesco Campese* (La Sapienza University of Rome, Italy)
“Notch 3 signaling deregulation induces proliferative diseases with lympho/myeloid features”

Warren Pear (University of Pennsylvania Perelman School of Medicine, USA)
“Long range regulation of transcription by Notch”

17:00 – 18:00

Poster session

Coffee Break

18:00 – 19:10

VII. Haematopoiesis/Blood Tumors *(continued)*

Chair: Lisa Minter

Jon Aster (Brigham and Women’s Hospital, and Harvard Medical School, USA)
“Notch1/RBPJ complexes drive target gene expression through dynamic interactions with super-enhancers”

Maria Toribio* (Centro de Biología Molecular Severo Ochoa.CSIC.UAM, Spain)
“Novel targeted therapies against Notch-dependent human T-ALL”

Irv Bernstein (University of Washington School of Medicine, The Fred “Hutchinson Cancer Research Center, USA)
“Notch signal strength requirements for target gene activation are dictated by chromatin states”

Fernando Anjos-Afonso* (Cancer Research UK)
“The primitive status of human CD34neg Hematopoietic Stem Cells (HSCs) is regulated by Notch signalling”

Charles Eberhart* (Johns Hopkins, USA)
“In Vivo Notch Blockade Causes Prolonged Effects On Glioblastoma Growth Which Can Persist After Treatment Ends”

THURSDAY, October 10

09:00 – 10:00

Poster Session

10:00 – 12:30

VIII. Solid Tumors

Chair Nikos Giagtzoglou

Claudio Talora* (La Sapienza University of Rome, Italy)
“p21Waf1/Cip1 determines the outcome of Notch1 signaling: by promoting tumorigenesis while suppressing Autophagy”

Chris Siebel (Genentech, USA)
“Constitutive Notch3 Signaling Promotes Basal Breast Tumor Growth”

Jan Theys* (University Maastricht, Netherlands)
“High Notch activity induces radiation resistance in non-small cell lung cancer (NSCLC)”

Lorna Wilkinson* (University of Manchester, UK)
“RBP-Jk-dependent Notch signalling is sufficient to induce tumour formation in the mammary gland”

Lucio Miele (University of Mississippi Cancer Institute, USA)
“Paralog-specific effects of Notch1 and Notch4 in endocrine-resistant, ER α + breast cancer cells: therapeutic implications”

Ahmed Raafat* (National Cancer Institute, USA)
“The ANK repeats of Notch4/Int3 activate NF-KB/p50 in absence of Rbpj and cause mammary tumorigenesis”

Apostolos Klinakis (Biomedical Research Foundation of the Academy of Athens, Greece)
“Roles for Notch pathway in urothelial cancer”

Marina Badenes* (University of Lisbon, Portugal)
“Blockage of Dll4/Notch signaling inhibits the development of chronic colitis-associated CRC in mice”

Mark Taketo* (Kyoto University, Japan)
“Colon cancer metastasis stimulated by Notch signaling”

Bharvin Patel* (Eli Lilly, USA)
“Novel inhibitor of Notch signaling for the treatment of cancer”

Closing Remarks

Spyros **Artavanis-Tsakonas** (Harvard Medical School, USA)

12:45

Lunch

15:00

Guided Tour of the Acropolis Museum

The Notch Meeting VIII

focusing on

Notch Signalling in the Nervous System

will be held in Athens, Greece

28 September – 1 October 2014

Organizing Committee:

Spyros Artavanis-Tsakonas, Harvard Medical School, USA, **Hugo Bellen**, Baylor College of Medicine, HHMI, TMC, USA, **Ryoichiro Kageyama**, Kyoto University, Japan, **Angeliki Louvi**, Yale University, USA.

www.TheNotchMeeting.org

POSTER SESSION

1- Furkan Ayaz (University of Massachusetts, Amherst, USA)

“Notch1 and Notch3 signaling differentially regulate polarization of T helper subsets involved in the development of Multiple Sclerosis”

Authors: Furkan Ayaz, Reem Suleiman, Rebecca Lawlor, Barbara A. Osborne

2- Marina Badenes (

“Blockage of Dll4/Notch signaling inhibits the development of chronic colitis-associated CRC in mice”

Authors: Marina Badenes, Alexandre Trindade, Joana Quaresma Gigante, Dusan Djokovic, Ana Rita Pedrosa, Catarina Carvalho, Ana Carina Fernandes, Liliana Mendonça, Parkash S. Gill and António Duarte

3- Charlotte Bailey (University of Dundee, UK)

“Investigating the propagation of segmentation clock oscillations during vertebrate somitogenesis”

Authors: Charlotte S. L. Bailey and J. Kim Dale

4- Diana Bellavia (La Sapienza University of Rome, Italy)

“Notch3 and Jagged1 cis-interaction reinforces Notch signaling and sustains T-ALL development”

Authors: Maria Pelullo, Roberta Quaranta, Saula Checquolo, Maria Pia Felli, Rocco Palermo, Alberto Gulino, Isabella Screpanti and Diana Bellavia

5- Sugela Blancas (IPICYT, AC, Mexico)

“Protein expression study for the detection of molecular markers in human cervical cancer by tissue microarrays”

Authors: Sugela Blancas and Leticia Santos

6 - Cristiana Caliceti (University of Ferrara, Italy)

“17-beta-Estradiol activates VEGF-A-Delta like ligand 4-Notch1 axis and modulates angiogenic sprouting in Human Endothelial Cells

Authors: Cristiana Caliceti, Giorgio Aquila, Micaela Pannella, Marco Bruno Morelli, Antonio Pannuti, Lucio Miele, Paola Rizzo and Roberto Ferrari

7 - Diogo Castro (Instituto Gulbenkian de Ciencia, Portugal)

“Function of the zinc-finger factor Myt1 in vertebrate neurogenesis”

Authors: Francisca Vasconcelos, Alessandro Sessa, Vera Teixeira, Alexandre Raposo, Vania Broccoli and Diogo S. Castro

8 - Iree Chang (FLI-Leibniz Institute for Age Research, Germany)

“Notch signalling in mammalian axonal pathfinding”

Authors: Malle Soom, Iree Chang & Christoph Kaether

9 - Jooho Chung (University of Michigan, USA)

“ Investigating the kinetics of Notch activation and the cellular sources of delta-like Notch ligands in graft-versus-host disease”

Authors: Jooho Chung, Christen L Ebens, Ute Koch, Ivy T Tran, Ashley R Sandy, Ann Friedman, Minhong Yan, Christian W Siebel, Freddy Radtke, Ivan Maillard

10 - Keiko Doi (Graduate School of Medicine, Kyoto University, Japan)

“Rap G protein signal is essential for Notch activation in T-ALL”

Authors: Keiko Doi, Takahiko IFmai, Joe Inoue, Hideo Yagita, Marc Vooijs, Yasutoshi Agata, Nagahiro Minato

11 - Shiyun Feng (University of Cambridge, UK)

“Investigating novel notch targets in Drosophila neural stem cells”

Authors: Shiyun Feng, Eva Zacharioudaki, Burcu Babaoglan, Christos Delidakis and Sarah Bray

12 - Maria J. Gomez-Lamarca (Cambridge University, UK)

“Rme-8 regulates retrograde Notch trafficking”

Authors: Maria Gomez-Lamarca, Laura Snowdon, Thomas Klein and Sarah Bray

13 - Arjan Groot (Maastricht University, Netherlands)

“Notch3 receptor signaling is regulated by Adam metalloproteinases”

Authors: Arjan J. Groot, Roger Habets, Sanaz Yahyanejad, Caroline M. Hodin, Jan Theys, Marc Vooijs

14 - Takuma Gushiken (Osaka University, Japan)

“Identification of novel maternal genes that are potential components of Notch signaling in *Drosophila*”

Authors: Takuma Gushiken, Kenjiroo Matsumoto, Ryo Hatori, Tomoko Yamakawa, Takeshi Sasamura, Kenji Matsuno

15- Roger Habets (Maastricht University, Netherlands)

“A Disintegrin and metalloproteinase 10 (ADAM10) is required for NOTCH2 S2 receptor cleavage and activity”

Authors: Roger Habets, Arjan J. Groot, Sanaz Yahyanejad, Caroline M. Hodin, Jan Meeldijk, Karina Reiss, Paul Saftig, Jan Theys and Marc Vooijs

16 - Marta Ibañes (University of Barcelona, Spain)

“Ligand expression ahead neurogenic wavefronts can help robust neurogenesis”

Authors: Pau Formosa-Jordan, Marta Ibanes, Saul Ares, Jose M. Frade

17 - Onur Kaya (IMBA- Institute of Molecular Biotechnology, Austria)

“dNkap is a Notch signaling regulator in *Drosophila* stem cells”

Authors: Onur Kaya and Juergen Knoblich

18 - Shiori Kubo (Osaka University, Japan)

“Identification of genetic modifiers that interact with *pecanex*, encoding a Notch signaling component in *Drosophila*”

Authors: Shiori Kubo, Tomoko Yamakawa, Yu Atsumi, Kenji Matsuno

19 - Christina Kuksin (University of Massachusetts/Amherst, USA)

“Notch1 and PKC θ interact physically and functionally to drive pathogenesis of Aplastic Anemia”

Authors: Christina Arieta Kuksin,* Justine E. Roderick,* Gabriela Gonzalez Perez, Hyun Mu Shin, Mulualem Tilahun, Emily R. Roberts, Barbara A. Osborne, and Lisa M. Minter

20 - Cátia Laranjeira (Intituto Gulbenkian Ciência –IGC, Portugal)

“Investigating a cross-talk between Proneural and Notch pathways in vertebrate neurogenesis”

Authors: Cátia Laranjeira, Alexandre Raposo, Mark Borromeo, Jane Johnson, Diogo S. Castro

21 - Michael Karl Leverentz (University of Manchester, UK)

“Notch signalling imparts apoptotic resistance to breast epithelial cells through AKT activation by a paracrine factor in vitro and in vivo”

Authors: M. K. Leverentz, L. Wilkinson, O. Meurette, S. Stylianou and K. Brennan

22 - Erika López Arribillaga (Fundació IMIM, Spain)

Essential regulation of *Bmi1* downstream of Notch and β -catenin in intestinal stem cells

Authors: Erika Lopez-Arribillaga, Veronica Rodilla, Anna Bigas and Lluís Espinosa

23 - Dieter Maier (University of Hohenheim, Germany)

“The C-terminal domain of *Su(H)* passively regulates Notch signaling in *Drosophila*”

Authors: Dieter Maier, Heiko Praxenthaler, Adriana Schulz, Anette Preiss

24 - Marco Bruno Morelli (University of Ferrara, Italy)

“ Differential expression of Notch pathway components in distinct regions of endothelium of mouse aorta”

Authors: Marco Bruno Morelli, Giorgio Aquila, Cristiana Caliceti, Massimo Bonora, Patrizia Nigro, Paola Rizzo e Roberto Ferrari

25- Aubin Moutal (Centre de Recherche en Neurosciences de Lyon, France)

“Mechanism of glioblastoma proliferation by CRMP5 controlling Notch signaling pathway”

Authors: Aubin Moutal, Caroline Bertrand, Céline Malleval, Chantal Watrin, Naura Chounlamountri, Marie-Eve Mayeur, Roger Besançon, Jérôme Honnorat, David Meyronet, Nicole Thomasset

26- Rocco Palermo (Istituto Italiano di Tecnologia, Italy)

“The oncogenic role of miR-223 in T Cell Acute Lymphoblastic Leukemia is regulated by Notch3.”

Authors: Palermo R., Kumar V., Talora C., Campese AF., Checquolo S., Bellavia D., Ferretti E., Gulino A., Vacca A. and Screpanti I.

27 - Raquel Perez-Gomez (Instituto de Neurociencias de Alicante (UMH/CSIC), Spain and University of South Czech Republic)

“A Serrate-Notch-Canoe complex mediates glial-neuroepithelial cell interactions essential during Drosophila optic lobe development”

Authors: Raquel Pérez-Gómez, Jana Slováková, Noemí Rives-Quinto, Alena Krejci and Ana Carmena

28 - Anette Preiss (University of Hohenheim, Inst. of Genetics, Germany)

“Genome engineering at the Suppressor of Hairless and Hairless loci in Drosophila melanogaster

Authors: Heiko Praxenthaler, Dieter Maier, Anette Preiss

29- Veronica Rodilla Benito (Institut Curie, France)

“Notch1 receptor as a marker of alveolar progenitors”

Authors: Veronica Rodilla, Daniel Lafkas, Mathilde Huyghe, Silvia Fre

30 - Jean-Francois Rual (University of Michigan, USA)

“Characterization of Notch molecular network in brain tumors”

Authors: Tao Xu, Sung Soo Park, Kim Ha, Eléna Milon, Rita Ching Ting Chao, Jean-Francois Rual

31- Elisa Sala (Università Vita- Salute San Raffaele, Italy)

“Role of Epsin in Notch Activation and Cancer”

Authors: Sala Elisa, Ruggiero Luca, Cardano Marina, Di Giacomo Giuseppina, Cremona Ottavio

32 - Ankur Sharma (Indian Institute of Science, India)

“Notch signaling in cancer stem cells: implications in tumor heterogeneity and therapeutic targeting”

Authors: Ankur Sharma, Annapoorni Rangarajan, Rajan R. Dighe

33- Altar Sorkac (Brown University, USA)

“Notch signaling regulates synaptic transmission at the C. elegans neuromuscular junction”

Authors: Sorkac A, DiIorio MA, Graham HK, Singh K, Hart AC

34- Magdalena Stasiulewicz (University of Dundee, UK)

“Regulation of cell fate choice in neuroectoderm progenitors by crosstalk between Notch and Sonic Hedgehog pathways”

Authors: Magdalena Stasiulewicz, Shona D. Gray, Kim J. Dale

35 - Kenji Tanigaki (Shiga Medical Center, Japan)

“Behavioral Analysis of Neuron-specific RBP-J knockout mice”

36 - Eleni Vasilaki (Biomedical Research Foundation Academy of Athens, Greece)

“Isolation and characterization of mouse mammary stem cells”

Authors: Eleni Vasilaki, Argiris Efstratiadis, Apostolos Klinakis

37- Brandon White (San Jose State University, USA)

“Functional Characterization of the Notch Response Element: Mastermind mediated activation requires a Sequence Paired Site”

Authors: J. Brandon White and Cassandra Ramos

38- Sanaz Yahyanejad (Maastricht University, Netherlands)

“Mechanism of Notch4 receptor proteolysis and activation”

Authors: Sanaz Yahyanejad, Arjan J. Groot, Roger Habets, Jan Theys and Marc Vooijs

39 - Ozden Yalcin-Ozuysal (Izmir Institute of Technology, Turkey)

“IRF6 as a downstream mediator of Notch signaling in breast epithelial cells”

Authors: Talip Zengin, Ozden Yalcin-Ozuysal

40-Tomoko Yamakawa (Osaka University, Japan)

“Functions of a neurogenic gene, *pecanex* in Notch signaling”

Authors: Tomoko Yamakawa, Yu Atsumi, Shiori Kubo, Kenji Matsuno

41- Shinya Yamamoto (Baylor College of Medicine, USA)

“Identification and characterization of new mutations in *Drosophila* Notch that affect protein trafficking and stability”

Authors: Shinya Yamamoto, Hugo J. Bellen

42- Evanthia Zacharioudaki (University of Cambridge, UK)

“Genome wide analysis of aberrant Notch response in *Drosophila* larval neuroblasts”

Authors: Evanthia Zacharioudaki, Ben Housden, Sarah Bray and Christos Delidakis

43- Wei Xin (Case Western Reserve University, USA)

“Prion protein cross-talks with Notch to promote pancreatic cancer progression”

Authors: Wei Xin, Yiwei Wang, Dan Huang, Lan Zhou



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