

The Notch Meeting X

1-5 OCTOBER 2017 ♦ ATHENS, GREECE

Program

List of Participants

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FONDATION SANTÉ

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The Notch Meeting X

1– 5 October 2017
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 tenth *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 are supported by the generosity of additional sponsors.

Organizing Committee

Anna **Bigas**, IMIM Hospital del Mar Medical Research Institute, Spain; Ralf **Adams**, Max Planck Institute for Molecular Biomedicine, Germany; Ioannis **Aifantis**, NYU School of Medicine, USA; Spyros **Artavanis Tsakonas**, Harvard Medical School, USA; Stephen **Blacklow**, Harvard Medical School, USA; Sarah **Bray**, Cambridge University, UK; Laure **Bally-Cuif**, ZFIN, France; Lluís **Espinosa**, IMIM Hospital del Mar Medical Research Institute, Spain; Angeliki **Louvi**, Yale School of Medicine, USA.



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www.TheNotchMeeting.org

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

SUNDAY, October 1

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 2

09:00 – 09:15 **Opening Remarks**
Anna Bigas (*IMIM Hospital del Mar Medical Research Institute, Spain*)
Spyros Artavanis-Tsakonas (*Harvard Medical School, USA*)

09:15 – 10:40 **I. Mechanisms of Notch Activation**
Chairs: Penny Handford and Benedetto Daniele Giaimo

Steve Blacklow (*Harvard Medical School, USA*)
“Structural Basis for Regulated Proteolysis by the alpha-Secretase ADAM10”

Vincent C. Luca* (*Moffitt Cancer Center & Research Institute, USA*)
“Catching’ Notch signaling in the act: structural and mechanical perspectives on Notch-ligand engagement”

Lena Tveriakhina* (*Hannover Medical School, Germany*)
“Characterisation of the functional divergence of DLL1 and DLL4 in the mouse”

Rhett Kovall (*University of Cincinnati College of Medicine, USA*)
“Structure and Function of the RBPJ-SPEN Corepressor Complex”

10:40 – 11:15 **Coffee Break**

11:15 – 12:10 **I. Mechanisms of Notch Activation** (*continued*)

Wendy Ryan Gordon (*University of Minnesota, USA*)
“Regulation of dystroglycan proteolysis: Kicking it up a Notch”

John Ngo* (*Boston University, USA*)
“Probing and Programming Mechanosensation with SynNotch Receptors”

Motoo Kitagawa* (*International University of Health and Welfare, Japan*)
“TM2 domain containing 3, a mammalian homologue of Drosophila neurogenic gene product Almondex, activates Notch1”

12:10 – 13:00

Keynote Speaker:
Edith Heard (*Institut Curie, Paris & Collège de France, France*)

13:00 – 14:30

Lunch Break

14:30 - 16:05

II. Transcriptional Control and Epigenetics
Chairs: Maria Dominguez and Alena Krejci

Rafi Kopan (*University of Cincinnati College of Medicine, USA*)
“Towards quantitative analysis of Notch nuclear actions”

David Sprinzak (*Tel Aviv University, Israel*)
“Modeling the Notch transcriptional response”

Anja Nagel* (*University of Hohenheim, Genetics Institute (240), Germany*)
“Context-specific regulation of Notch signalling activity by phosphorylation of Suppressor of Hairless in Drosophila”

Jean Francoise Rual* (*University of Michigan, USA*)
“The RBPJ/L3MBTL3 axis promotes the repression of Notch signaling by the histone demethylase KDM1A”

Benedetto Daniele Giaimo* (*University of Giessen, Institute of Biochemistry, Germany*)
“Histone Variant H2A.Z Deposition and Acetylation directs the Notch signaling response”

16:05 – 16:35

Coffee Break

16:35 – 17:55

II. Transcriptional Control and Epigenetics (*continued*)

Tilman Borggrefe (*Institute of Biochemistry, University of Giessen, Germany*)
“Dynamic acetylation of the Notch intracellular domain directs amplitude and duration of the Notch-response”

Cecilia Sahlgren* (*Åbo Akademi University, Finland*)
“Tuning Notch activity by posttranslational modifications”

Jing Du* (*University of Illinois in Chicago, USA*)
“Transcriptomic analysis reveals endothelial Rnd1 as a Notch signaling effector that regulates angiogenesis”

Sarah Bray (*Cambridge University, UK*)

TUESDAY, October 3

09:00 – 10:40

III. Notch Signal Integration: Crosstalk, Genetic Circuitries
Chairs: Anna Bigas and Cecilia Sahlgren

Maria Dominguez (*Instituto de Neurociencias, CSIC-UMH, Spain*)
“Inflammation links PI3K/Akt and Notch in tumorigenesis”

Javier Robles Valero* (*Instituto Biologia Molecular y Celular del Cancer, Spain*)
“A paradoxical tumor suppressor role for the Vav1 proto-oncogen in T cell acute lymphoblastic leukemia”

Carlo De Blasio* (*Sapienza University of Rome, Italy*)
“Plk1 controls the intensity of Notch1 signaling by regulating degradation of the proteolytically activated form of Notch1”

Diana Ho* (*Harvard Medical School, USA*)
“Disco suppresses apoptosis induced by Notch-Src synergy in *Drosophila*”

Freddy Radtke (*École Polytechnique Fédérale de Lausanne, Switzerland*)
“Tcf7: essential mediator of Notch-driven T-ALL”

10:40 – 11:15

Coffee Break

11:15 – 12:35

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

Warren Pear (*University of Pennsylvania, USA*)
“The Notch: Myc signaling axis in T-ALL and beyond”

Alena Krejci* (*Biology Centre, University of South Bohemia, Czech Republic*)
“Cellular metabolic status as a regulator of Notch signaling in *Drosophila* wing disc”

Kim Dale* (*University of Dundee, UK*)
“Mechanics of NICD turnover”

Urban Lendhal (*Karolinska Institut, Sweden*)
“A role for Notch dephosphorylation in cranial placode development”

12:35 - 13:30

Poster Session

13:30 – 14:30

Lunch Break

14:30 – 16:05

IV. Influence of Trafficking on Cellular Cell Fate

Chairs: Anette Preiss and John Ngo

Francois Schweisguth (*Institut Pasteur, France*)
“Self-organized Notch dynamics generate stereotyped patterns in *Drosophila*”

Kenji Matsuno* (*Osaka University, Japan*)
“A novel role of Numb prevents embryo from twisting though the inhibition of Notch signaling”

Maithreyi Narasimha* (*Tata Institute of Fundamental Research, Mumbai, India*)
“Stochastic alterations in Notch receptor trafficking influence cell delamination and pattern epithelial rosettes in the amnioserosa during *Drosophila* dorsal closure”

Martin Baron* (*University of Manchester, UK*)
“Understanding how the flux balance in a Notch endocytic network tunes signalling”

Roland Le Borgne (*Université de Rennes 1, France*)
“Interplay between tensile forces and Notch activation during epithelial cytokinesis”

16:05 – 16:35

Coffee Break

16:35 – 17:55

V. Functional Roles of Notch in Stem Cells and Cell Fate

Chairs: Angeliki Louvi and Vincent Luca

Deepak Srivastava (*Gladstone Institutes and University of California, San Francisco, USA*)
“NOTCH Dysregulation in Human Heart Disease”

Mara E. Pitulescu* (*Max Planck Institute for Molecular Biomedicine, Germany*)
“Coupling of sprouting angiogenesis and artery formation through DLL4-Notch signaling”

Rob Driessen* (*Eindhoven University of Technology, The Netherlands*)
“Fluid shear stress induces Jagged1 clustering in endothelial cells”

Rui Benedito (*Spanish National Center for Cardiovascular Research-CNIC, Spain*)
“Dual ifgMosaic: A New Method for Multispectral and Combinatorial Mosaic Notch-Function Analysis”

WEDNESDAY, October 4

09:05 – 10:40

V. Functional Roles of Notch in Stem Cells and Cell Fate (*continued*)

Chairs: Angeliki Louvi and Vincent Luca

Verdon Taylor (*University of Basel, Switzerland*)
“Notch signalling in the control of neural stem cell activation and quiescence”

Philippos Mourikis* (*Mondor Institute, France*)
“Notch-induced collagen V maintains muscle stem cells by reciprocal activation of the Calcitonin Receptor”

Feng Liu* (*Institute of Zoology, Chinese Academy of Sciences, China*)
“Epigenetic Regulation of Hematopoietic Stem cell Development”

Cristina Porcheri* (*IMIM, Spain*)
“Visualizing the hematopoietic emergence in the mouse embryo”

Didier Stainier (*Max Planck Institute for Heart and Lung Research, Germany*)
“Organ development and regeneration in zebrafish”

10:40 – 11:15

Coffee Break

11:15 – 12:45

V. Functional Roles of Notch in Stem Cells and Cell Fate (*continued*)

Chairs: Lluís Espinosa and Kim Dale

Ryoichiro Kageyama, (*Kyoto University, Japan*)
“Oscillatory control of neural stem cells”

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

Laure Bally-Cuif (*Institut Pasteur, France*)
“Spatio-temporal control of neural stem cell activation events within the adult telencephalic niche”

12:45 – 14:30

Poster Session - Lunch Break

14:30 – 16:15

V. Functional Roles of Notch in Stem Cells and Cell Fate (*continued*)

Xiling Shen (*Duke University, USA*)

“Spatial regulation of intestinal homeostasis by Notch signaling”

Sarah McCallum* (*The Francis Crick Institute, UK*)

“Progenitor Populations in the Vertebrate Enteric Nervous System”

Bethan Lloyd-Lewis* (*Institut Curie, France*)

“Dynamics of branching morphogenesis and lineage specification during mammary gland development and cellular transformation by 4-dimensional in vivo imaging”

Irv Bernstein (*Fred Hutchinson Cancer Research Center, Seattle, USA*)

“Cell autonomous regulation of Notch signaling strength by cis-expressed ligand maintains hematopoietic stem cells.”

Wellington Cardoso (*Columbia University Medical Center, USA*)

“Notch Control of Expansion and Differentiation of the Stem Cell Pool in Airways”

16:15 – 16:45

Coffee Break

16:45 – 18:05

VI. Roles of Notch in Cancer

Chairs: Maria L. Toribio and Andreas Fisher

Iannis Aifantis (*New York University -NYU, USA*)

“Single cell mapping of tumor micro environments: a role for Notch ligands”

Christos Delidakis* (*Inst. of Molecular Biology & Biotechnology, FORTH, Greece*)

“High Notch/Hes activity causes neural stem cell tumours in Drosophila”

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

“Notch control over major oncogenic pathways in bladder cancer”

Adolfo A. Ferrando (*Columbia University, USA*)

“Synergistic targeting of protein translation and inhibition of NOTCH signaling in T-ALL”

20:00

Dinner - To Steki tou Ilia (5 Eptachalkou St., Thiseio)

THURSDAY, October 5

09:00 – 10:40

VII. Human Disease and Therapeutics

Chairs: Spyros Artavanis-Tsakonas and Apostolos Klinakis

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

“Notch signaling in blood vessels: more than control of angiogenesis”

Michela Colombo* (*Università degli Studi di Milano, Italy*)

“Jagged-directed therapy in multiple myeloma: a new approach to interrupt the crosstalk between the tumor cell and the bone marrow microenvironment”

Keith Brennan* (*University of Manchester, United Kingdom*)

“Notch regulates apoptosis in breast cancer cells through IL1 α ”

Delphine Harduin-Tardivon* (*EPFL SV ISREC, Switzerland*)

“Notch Promotes Initiation and Disease Progression in Chronic Lymphocytic Leukemia”

Jon Aster (*Brigham and Women's Hospital, USA*)
“Oncogenic Notch signaling in B cell tumors: New Insights”

10:40– 11:15

Coffee Break

11:15 – 12:35

VII. Human Disease and Therapeutics (*continued*)

Luis Espinosa (*IMIM Hospital del Mar Medical Research Institute, Spain*)
“Notch and Jagged in Colon Cancer and the importance of talking to each other”

Lucio Miele* (*LSU School of Medicine, USA*)
“Jagged blockage as a new strategy for cancer immunotherapy”

Maria L. Toribio* (*Centro de Biología Molecular Severo Ochoa. CSIC-UA, Spain*)
“Notch signaling in thymic epithelial cell homeostasis and thymus involution”

Chris Siebel (*Genentech Inc., USA*)
“Notch-Controlled Cell Fate Switches in Normal and Malignant Tissues”

12:35 – 13:00

Closing remarks

13:00

Lunch

POSTER SESSION

1- Paula Alexandre (UCL GOS Institute of Child Health, United Kingdom)

“Protrusion activity regulates neuronal spacing in the zebrafish spinal cord”

Authors: Rebecca McIntosh, Zena Hadjivasiliou, Rachel Moore, Jon Clarke, Paula Alexandre

2- Daphne Antoniou (Biomedical Research Foundation Academy of Athens)

“The role of Chaperone Mediated Autophagy in Central Nervous System development”

Authors: Daphne Antoniou, Xilouri Maria, Stefanis Leonidas, Politis Panagiotis

3- Chooyoung Baek (IBENS, France)

“Sustained Mib1-dependent Notch activity in prospective neurons is required to maintain neuroepithelial integrity in the neural tube”

Authors: Chooyoung Baek, Lucy Freem, Helen Sang, Xavier Morin, and Samuel Tozer

4- Dimitris Beis (Biomedical Research Foundation Academy of Athens, Greece)

“Re-activation of Notch signaling is required for cardiac valve regeneration”

Authors: Panagiotis Kefalos, Manto Agalou, Koichi Kawakami, Dimitris Beis

5- Udi Binshtok (Tel Aviv University, Israel)

“Cell-cell contact area affects Notch signaling and Notch-dependent patterning”

Authors: Udi Binshtok, Oren Shaya, Micha Hersch, Dmitri Rivkin, Sheila Weinreb, Liat Amir-Zilberstein, Bassma Khamaisi, Olya Oppenheim, Ravi A. Desai, Richard Goodyear, Guy Richardson, Christopher S. Chen, and David Sprinzak

6- Antonio Francesco Campese (Sapienza University of Rome, Italy)

“Notch-dependent induction of Myeloid Derived Suppressor Cells in T-cell Acute Lymphoblastic Leukemia”

Authors: Paola Grazioli, Andrea Orlando, Claudia Noce, Giovanna Peruzzi, Zein Mersini Besharat, Isabella Screpanti, Antonio Francesco Campese

7- Francesca Anna Carrieri (University of Dundee, United Kingdom)

“It’s all a matter of (top-NOTCH) balance”

Authors: Francesca A. Carrieri, Paul Davies, J. Kim Dale

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

“The transcription factor MyT1 counteracts the Notch transcriptional program to promote vertebrate neurogenesis”

Authors: Francisca F. Vasconcelos, Alessandro Sessa, Cátia Laranjeira, Alexandre A.S.F. Raposo, Daniel W. Hagey, Jonas Muhr, Vania Broccoli and Diogo S. Castro

9-Beatrice Charreau (CRTI, INSERM UMR1064, Nantes, France)

“DLL4 conveys Notch-dependent signals achieving selective macrophage differentiation or death”

Authors: Pagie S, Pabois A., Gérard N., Laboisie C., Pattier S., Hulin P., Nedellec S., Toquet C. and Charreau B.

10- Francesca Ferrandino (Sapienza University of Rome, Italy)

“Notch3-sustained CXCR4 expression in acute T cell lymphoblastic leukemia progression”

Authors: Francesca Ferrandino, Georgia Tsaouli, Giovanni Bernardini, Paola Grazioli, Antonello Campese, Diana Bellavia, Saula Checquolo, Isabella Screpanti and Maria Pia Felli

11-Eleni Foteinou (University of Manchester, United Kingdom)

“The functional diversity of the Notch ligand binding domain and the mechanisms of Notch misregulation in cancer”

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

12- Maria Valeria Giuli (Sapienza University of Rome, Italy)

“Juglone induces apoptosis in Notch3-overexpressing leukemia cells via perturbation of ER/UPR pathway”

Authors: Maria Valeria Giuli, Giulia Diluvio, Eugenia Giuliani, Luca Tottone, Rocco Palermo, Claudio Talora, Diana Bellavia, Isabella Screpanti and Saula Checquolo

13- Ohad Golan (Tel Aviv University, Israel)

“Development of a quantitative model of the Notch transcriptional module”

Authors: Ohad Golan, Yi Kuang, Raphael Kopan, Brian Gebelein, David Sprinzak

14- Brandon Hadland (Fred Hutchinson Cancer Research Center, USA)

“Tracking Notch receptor and ligand expression during hematopoietic stem cell formation at the single cell level”

Authors: Brandon K. Hadland, Barbara Varnum-Finney, Cristina Porcheri, Anna Bigas, Irwin D. Bernstein

15- Björn Högberg (Karolinska Institutet, Sweden)

“Studying Receptor Signaling using DNA Origami Nanocalipers”

Authors: Hannah Litwin, Ioanna Smyrlaki, Ana Teixeira, Björn Högberg

16- Hosseini Alghaderi (University of Manchester, United Kingdom)

“Studying consequences of vascular dementia CADASIL Notch3 mutations in cell culture and iPS derived in vitro differentiated tissue models”

Authors: Samira Hosseini Alghaderi, Tao Wang, and Martin Baron

17- Zhi Huang (University of Manchester, United Kingdom)

“Mutational analysis of the regulation of Notch endocytic trafficking and signalling in *Drosophila melanogaster*”

Authors: Zhi Huang, Hideyuki Shimizu, Martin Baron

18- Guillaume Jacquemin (Institut Curie, France)

“Characterization of the direct paracrine interactions between healthy and tumor intestinal epithelia”

Authors: Guillaume Jacquemin, Florent Dingli, Damarys Loew, Silvia Fre

19- Bassma Khamaisi (Tel- Aviv university, Israel)

“Elucidating the roles of ubiquitylation and ligand-receptor affinity in regulating the membrane distribution and activity of the Notch ligands Dll1 and Dll4”

Authors: Bassma Khamaisi, Liat Amir-Zilberstein, Vince Luca, K. Christopher Garcia, Stephen C. Blacklow, David Sprinzak

20- Ute Koch (EPFL - SV – ISREC, Switzerland)

“Tcf-1 Potential Lineage Repressor and Putative Pioneering Factor in Notch-Driven T-ALL”

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

21- Aleksandra Kostina (Almazov Federal Medical Research Centre, Russia)

“Notch pathway is attenuated in aortic endothelial cells of patients with thoracic aortic aneurysm”

Authors: Aleksandra Kostina, Hanna Bjork, Vladimir Uspensky, Giuseppe Faggian, Anna Kostareva, Per Eriksson, Anna Malashicheva

22- Daniel Antfolk (Turku Center for Biotechnology, Finland)

“Vimentin regulates Notch signaling during angiogenesis”

Authors: Daniel Antfolk, Marika Sjöqvist, Fang Chen, Kimmo Isoniemi, Camille Duran, Adolfo Rivero-Muller, Christian Antila, Rasmus Niemi, Sebastian Landor, Carlijn Bouten, Kayla Bayless, John Eriksson and Cecilia Sahlgren

23- Rajwinder Lehal (Cellestia Biotech AG, Switzerland)

“Non-clinical pharmacology, pharmacokinetics and safety profiling of CB-103: A novel first-in-class small molecule inhibitor of the NOTCH pathway

Authors: Rajwinder Lehal, Viktoras Frimantas, Charlotte Urech, Jean-Pierre Bourquin, Freddy Radtke

24- Hannah Litwin (Karolinska Institutet, Sweden)

“Nanoscale spatial regulation of Notch signaling in neural stem cells”

Authors: Hannah Litwin, Ioanna Smyrlaki, Toon Verheyen, Anna Falk, Björn Högberg, Ana Teixeira

25- Dieter Maier (University of Hohenheim, Genetics Institute (240), Germany)

“In vivo levels of Suppressor of Hairless protein depend on engagement with transcription regulator complexes”

Authors: Maier D, Nagel AC, Praxenthaler H, Schulz A, Preiss A

- 26- Anna Malashicheva** (Almazov Federal Medical Research Centre, Russia)
“Notch signaling in differentiation: through fundamental mechanisms to understanding cardiovascular pathology”
Authors: Anna Malashicheva, Anna Kostareva
- 27- Veronika Mamaeva** (Abo Akademi and Turku Centre for Biotechnology, Finland)
“Distinctive role of Notch receptors in the neoplasia of endocrine pancreas”
Authors: Mamaeva V., Paramonov V., Kronqvist P., Paramonova N.B., Sahlgren C.
- 28- Amitai Menuchin** (Tel Aviv University, Israel)
“Elucidating the role of the interaction between Notch signaling and cadherins during angiogenesis”
Authors: Amitai Menuchin, Liat Amir-Zilberstein, Fabian Tetzlaff, Andreas Fischer, and David Sprinzak
- 29- Giulia Monticone** (University of Manchester, United Kingdom)
“Cancer-associated mutations affect Notch endocytic trafficking”
Authors: Giulia Monticone, Hideyuki Shimizu, Marian Wilkin, Martin Baron
- 30- Daniel Oliveira** (Karolinska Institutet, Sweden)
“Detecting aggregation of Notch3 and matrisome proteins in a CADASIL mouse model”
Authors: Daniel V. Oliveira, Kirsten G. Coupland, Julie W. Rutten, Johan Lundkvist, Urban Lendahl, Saskia A. J. Lesnik Oberstein, Helena Karlström
- 31- Olya Oppenheim** (Tel Aviv University, Israel)
“Elucidating how MIB1 regulates Notch ligand activity, dynamics and distribution”
Authors: Olya Oppenheim, Liat Amir-Zilberstein, Stephen Blacklow, David Sprinzak
- 32- Franz Oswald** (University of Ulm, Center for Internal Medicine, Sweden)
“Notch signaling as a novel target of AML1/ETO”
Authors: Verena Thiel, Benedetto Daniele Giaimo, Peggy Schwarz, Lars Bullinger, Tilman Borggreffe, Hartmut Geiger, Franz Oswald
- 33- Mahmud Panahi** (Karolinska Institute, Sweden)
“Altered glucose uptake in CADASIL driven VSMC”
Authors: Panahi et. al.
- 34- Elsa Papadimitriou** (Hellenic Pasteur Institute, Greece)
“Characterization of the molecular mechanism through which miRNA-124 directs neuronal reprogramming of astrocytes in vitro”
Authors: Elsa Papadimitriou, Paraskevi N. Koutsoudaki, Argyro Lamprou, Dimitra Thomaidou
- 35- Varvara Paraskevopoulou** (Biomedical Research Foundation Academy of Athens, Greece)
“The role of Notch pathway in bladder stem cell homeostasis”
Authors: Varvara Paraskevopoulou, Evangelia Chavdoula, Apostolos Klinakis
- 36- Anette Preiss** (University of Hohenheim, Genetics Institute (240), Germany)
“Nucleo-cytoplasmic shuttling of Hairless, the major Notch antagonist in *Drosophila*”
Authors: Smylla TK, Reichmuth J, Preiss A, Maier D
- 37- Erin Sanders** (Stanford University, USA)
“Long-term live imaging of the adult *Drosophila* midgut reveals the spatiotemporal kinetics of Notch-controlled fate decisions”
Authors: Erin N. Sanders, Judy Martin, Lucy Erin O'Brien
- 38- Bjoern Schnute** (Institute of Genetics, University Düsseldorf, Germany)
“Functional analysis of a lysine free *Drosophila* Notch receptor”
Authors: Bjoern Schnute, Thomas Klein

- 39- Daria Semenova** (Saint Petersburg State University, Almazov Centre, Russia)
“The role of Notch signaling pathway in osteogenic differentiation of mesenchymal stem cells”
Authors: D. Semenova, A. Golovkin, A. Malashicheva
- 40- Alexandra Smith** (University of Manchester, United Kingdom)
“Investigating the impact of cysteine mutants upon the flux of Notch between distinct endocytic trafficking routes.”
Authors: Alexandra Smith, Hideyuki Shimizu, Marian Wilkin, Martin Baron
- 41- Ioanna Smyrlaki** (Karolinska Institutet MBB, Sweden)
“Investigating Notch signaling utilizing DNA origami nano patterns”
Authors: Ioanna Smyrlaki, Hannah Litwin, Ana I. Teixeira and Björn Högberg
- 42- Oscar Stassen** (Eindhoven University of Technology, The Netherlands)
“Mechanosensitivity of Jagged-Notch signaling can explain differentiation and mechanical homeostasis of muscular arteries”
Authors: Sandra Loerakker, Oscar Stassen, Fleur ter Huurne, Marcelo Boareto, Carlijn Bouten, Cecilia Sahlgren
- 43- Umesh Tharehalli Mathada** (Ulm University, Sweden)
“Role of Hippo Signaling in Liver Regeneration after Rbpj Deletion Induced Cholestasis”
Authors: Umesh Tharehalli, Michael Svinarinko, Andre Burkovski, Ute Kiesle, Annika Scheffold, Johann M. Kraus, Hans A. Kestler, Thomas Seufferlein, Franz Oswald, Sarah-Fee Katz, André Lechel
- 44- Laura Tiemeijer** (Åbo Akademi & Eindhoven University of Technology, The Netherlands)
“Spatial patterning of the Notch ligand Dll4 controls endothelial sprouting in vitro”
Authors: L. A. Tiemeijer, J-P. Frimat, O. M. J. A. Stassen, C. V. C. Bouten, C. M. Sahlgren
- 45- Aoife Waters** (UCL Great Ormond Street Institute of Child Health, United Kingdom)
“Podocyte Notch Activation Mediates Wt1 Glomerulopathy”
Authors: Rowan Asfahani, Eve Miller Hodges, Peter Hohenstein, Peter Scambler, Aoife Waters
- 46- 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
- 47- Sabrina Zema** (Sapienza University of Rome, Italy)
“Maml1 acts cooperatively with Gli proteins to regulate Sonic hedgehog signaling pathway”
Authors: Sabrina Zema, Roberta Quaranta, Maria Pelullo, Francesca Nardoza, Saula Checquolo, Lucia Di Marcotullio, Isabella Screpanti, Diana Bellavia
- 48- Nadezda Zhdanovskaya** (Sapienza University of Rome, Italy)
“Molecular mechanisms underlying Notch inhibition by chalcone 8”
Authors: Nadezda Zhdanovskaya, Luca Tottone, Mattia Mori, Isabella Screpanti, Rocco Palermo
- 49- Lauren Webb** (Cornell University, USA)
“The Notch signaling pathway controls basophil responses during helminth-induced type 2 inflammation”
Authors: Lauren M. Webb, Seth A. Peng, Rebecca L. Cubitt, Mark C. Siracusa and Elia D. Tait Wojno

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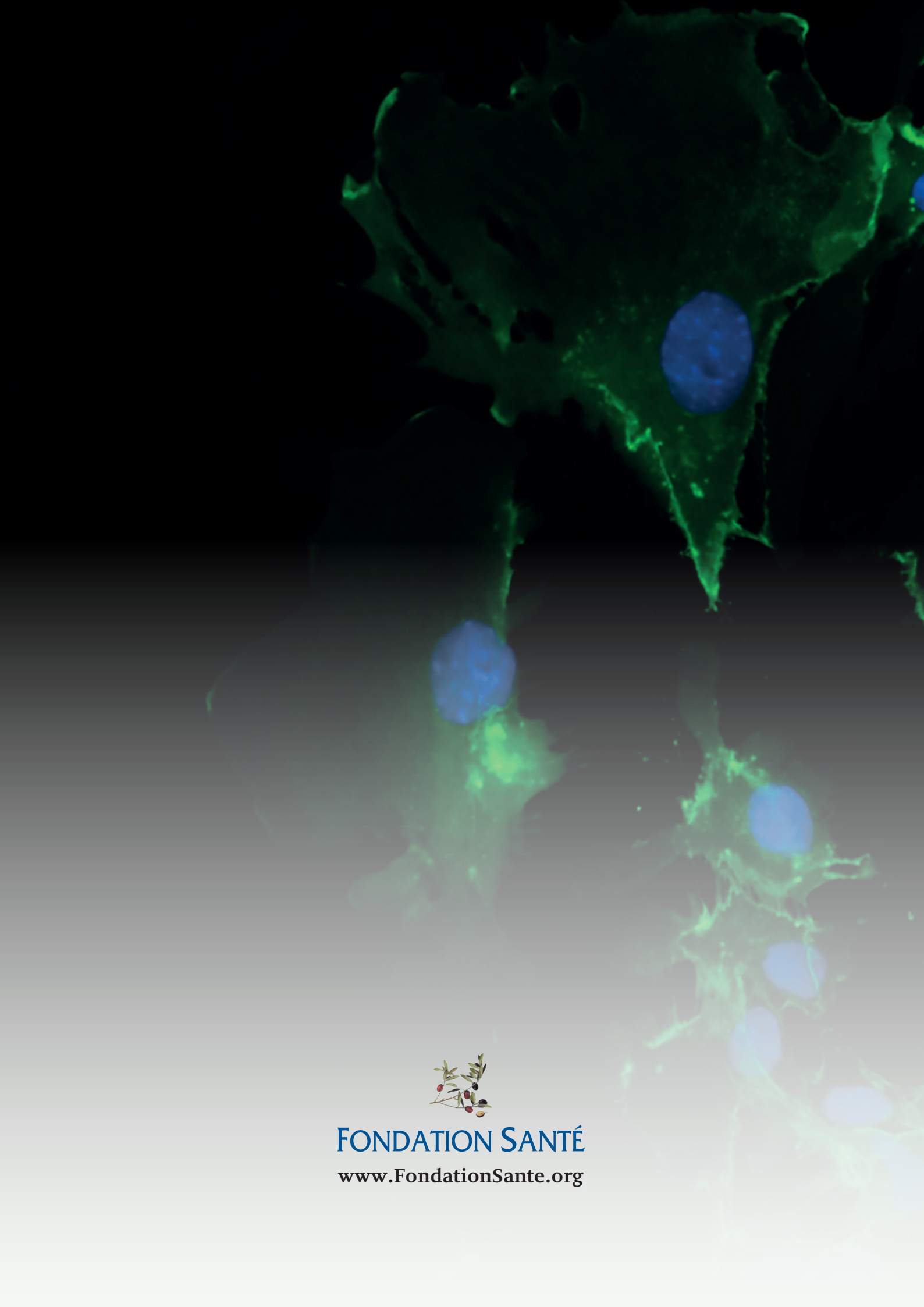
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