

The Notch Meeting XII

1-5 October 2023 | Benaki Museum | Athens, Greece

Program & Poster Session



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CONFERENCE MANAGEMENT



3, Venizelou str. (Stoa Levi), GR-546 24 Thessaloniki
T. +30 2310 433099 • E. symvoli.thenotchmeeting@symvoli.gr

www.symvoli.gr

The Notch Meeting XII

1 – 5 October 2023
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 twelfth *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

Kim Dale, University of Dundee, UK; **Stacey Huppert**, University of Cincinnati, USA; **Vincent Luca**, Moffitt Cancer Center, USA; **Philippos Mourikis**, Paris-East University, France; **Francois Schweisguth**, Institut Pasteur, France; **David Sprinzak**, Tel Aviv University, Israel
Ex Officio: **Spyros Artavanis-Tsakonas**, Harvard Medical School, 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 **25** (20+5) minute and **15** (12+3) minute talks including discussions

SUNDAY, October 1

20:30 **Reception** – Divani Palace Acropolis Hotel, 19-25 Parthenonos Street

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, Oct.2nd departure at 7.45

MONDAY, October 2

08:00 – 09:00 **Registration**

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

09:10 – 10:00 **EMBO Keynote Speaker**
Sara Wickström (*Max Planck Institute for Molecular Biomedicine, Germany*)
“Coordination of cell states and tissue architecture by mechanical forces”

10:00 – 10:55 **I. Trafficking, processing & signal propagation**
Chair: Penny Handford (*University of Oxford, United Kingdom*)
Stephen Blacklow (*Harvard Medical School, USA*)
“Notch Signaling in Real Time” (20'+5')
Martin Baron (*University of Manchester, UK*)
“Role of endosomal membrane microdomains in defining distinct WT and gain of function mutant Notch activation mechanisms” (12'+3')
Oren Gozlan (*Tel Aviv University, Israel*), **Alina Airich** (*Heinrich-Heine-Universität Duesseldorf, Germany*)
“Neutralized-like proteins differentially activate Notch ligands” (12'+3')

10:55 – 11:25 **Coffee Break**

11:25 – 12:30 **I. Trafficking, processing & signal propagation (continued)**
Chairs: Kim Dale (*University of Dundee, United Kingdom*), **Lluís Espinosa Blay** (*IMIM-Hospital del Mar, Spain*)
Marc Vooijs (*Maastricht University, Netherlands*)
“The metal transporter DMT1 regulates Notch trafficking and activation in an isoform-specific manner” (20'+5')

Robert Haltiwanger (*University of Georgia, USA*)
“How does Lunatic Fringe inhibit Jagged1 activation of Notch1?” (20'+5')

Alexandre Martin (*Harvard Medical School, USA*)
“Dynamics of Notch Activation” (12'+3')

12:30 – 13:00 **Poster Teasers (odd numbers; 2')**

13:00 – 14:30 **Lunch Break**

14:30 – 15:40 **II. Processing in tissue morphogenesis**
Chair: Wendy Gordon (*University of Minnesota, USA*)

Yusuke Ono (*Kumamoto University, Japan*)
“Dll4-Notch2 axis: an emerging therapeutic target for muscle wasting diseases” (20'+5')

Samantha Cialfi (*Sapienza University of Rome, Italy*)
“Loss of atp2c1 function promotes trafficking and degradation of notch1: implications for hailey-hailey- disease” (12'+3')

Luisa Iruela-Arispe (*Northwestern University, USA*)
“Understanding functions and expression patterns for Notch ligands in the vasculature” (12'+3')

Daniel Antfolk (*Moffitt Cancer Center, USA*)
“Mechanistic studies of DLK1 reveal an unexpected link between the Notch and TGF-B pathways” (12'+3')

15:40 – 17:00 **Poster Session & Coffee Break**

17:00 – 18:45 **III. Transcriptional Dynamics**
Chair: Rhett Kovall (*University of Cincinnati, USA*)

Sarah Bray (*University of Cambridge, UK*)
“Transcriptional decoding of Notch signaling” (20'+5')

Nancy Papalopulu (*The University of Manchester, UK*)
“Emergent properties of Notch-mediated tissue level coupling of single cell transcription factor dynamics” (20'+5')

Philipp Hoffmeister (*University Medical Center Ulm, Germany*)
“Deciphering dynamics of Notch signaling components” (20'+5')

Aleksandar Necakov (*Brock University, Canada*)
“Self assembly of Notch1 transcriptional condensates drives target gene expression” (12'+3')

Harry Roussos (*University of Cambridge, UK*)
“Searching with a purpose - Effects of Notch activity on the behaviour of its transcription complex” (12'+3')

TUESDAY, October 3

09:00 – 10:15 **IV. Genetic Circuitries**
Chairs: David Sprinzak (*Tel Aviv University, Israel*), **Jon Aster** (*Brigham and Women's Hospital, USA*)

Ryoichiro Kageyama (*RIKEN Center for Brain Science, Japan*)
“Imaging and quantitative analysis of the mouse segmentation clock” (20'+5')

Hsuan-Te (Miriam) Sun (*Stanford University, USA*)

“Ramping it up a Notch: Injury accelerates stem cell differentiation by attenuating a fate-determining lateral inhibition circuit” (20'+5')

Anna Erzberger (*European Molecular Biology Laboratory, Germany*)

“Theoretical principles of Notch-dependent mechanochemical feedback” (20'+5')

10:15 – 10:40

Poster Teasers (even numbers)

10:40 – 11:10

Coffee Break

11:10 – 12:40

V. Signaling Dynamics and Oscillations

Chair: Francois Schweisguth (*Institut Pasteur-CNRS, France*)

Carmen Birchmeier (*Max-Delbrück-Centrum Berlin and Charité, Germany*)

“An oscillatory network controlling self-renewal of skeletal muscle stem cells” (20'+5')

Hedda Meijer (*University of Dundee, UK*)

“Regulation of NICD stability in hiPSC derived PSM” (12'+3')

Alexandre Aulehla (*European Molecular Biology Laboratory, Germany*)

“Cycles on cycles - temperature response of the medaka segmentation clock” (20'+5')

Ertugrul Ozbudak (*Cincinnati Children's Hospital Medical Center, USA*)

“Reengineering somite segmentation in vivo without the vertebrate segmentation clock”(20'+5')

12:40 – 14:00

Lunch Break

14:00 – 15:30

VI. Signaling dynamics and mechanosignaling

Chair: Anestis Tsakiridis (*University of Sheffield, UK*)

Ina Sonnen (*Hubrecht Institute, Netherlands*)

“Notch signalling dynamics in the control of embryonic development and tissue homeostasis” (20'+5')

Francis Corson (*Pasteur Institute, France*)

“Spatial and temporal order in the developing Drosophila eye” (20'+5')

Young-wook Jun (*University of California San Francisco, USA*)

“Size, force, and membrane compartmentalization of signaling interface for Notch activation” (20'+5')

Björn Högberg (*Karolinska Institute, Sweden*)

“Notch engagement by Jag1 nanoscale clusters indicates a mode of activation without pulling force” (12'+3')

15:30 – 17:00

Poster Session II (even) & Coffee break

17:30

Visit the Acropolis Museum

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

WEDNESDAY, October 4

09:00 – 10:35

VII. Stem cells and tissue homeostasis

Chair: Philippos Mourikis (*Mondor Institute, Créteil, France*)

Emma Anderson (*Karolinska Institute, Sweden*)

“Jag1 in liver maturation and periportal fibrosis in response to liver damage” (20'+5')

Laure Bally-Cuif (*Institute Pasteur, France*)

“Positioning Notch signaling events in the adult neural stem cell lineage in vivo” (20'+5')

Eleni Chrysostomou (*Univ. Paris Est Créteil, INSERM, IMRB, France*)

“Fibrillin-1 as a modulator of quiescence in skeletal muscle stem cells via Notch signalling” (12'+3')

Stephanie Telerman (*University of Cambridge, United Kingdom*)

"Regulation of vertebrate neurogenesis by the non-canonical Notch ligand Dlk2" (12'+3')

Mitsuru Morimoto (*RIKEN Center for Biosystems and Dynamics Research, Japan*)

"Role of Notch in developing lung epithelial stem cells" (12'+3')

10:35 – 11:05

Coffee Break

11:05 – 12:35

VIII. Disease and Therapeutics

Chair: Vince Lucas (*Moffitt Cancer Center, USA*)

Chris Siebel (*Genentech, USA*)

“Not Just Notch: Mindbomb1 Negatively Regulates Tumor-Suppressive BMP Signaling” (20'+5')

Thimios Mitsiadis (*University of Zurich, Switzerland*)

“One flew over the Notch's nest: the tooth as an example” (12'+3')

Jon Aster (*Harvard Medical School, USA*)

“Molecular Mechanism of PP2A Inhibition by IER5, a Notch target in epithelial cells” (20'+5')

Christos Delidakis (*University of Crete, Greece*)

“A Notch-induced brain tumour in Drosophila and its interaction with the host microenvironment” (20'+5')

12:35 – 14:00

Lunch Break

14:00 – 14:50

Keynote Speaker

Raphael Kopan (*Cincinnati Children's Hospital, USA*)

“How failure leads to success: Lessons from uncovering the mechanisms of Notch signaling”

14:50 – 16:20

Poster session (all) and Coffee break

16:20 – 17:15

IX. Solid Cancers

Chairs: Thomas Klein (*Heinrich-Heine Universitaet Duesseldorf, Germany*)

Sabrina Zema (*Sapienza University of Rome, Italy*)

“The multifaceted role of Maml1: not only a transcriptional cofactor. New insights in breast cancer biology” (12'+3')

Stacey Huppert (*Cincinnati Children's Hospital Medical Center, USA*)

“Notch regulation of hepatic cell identity and commitment” (12'+3')

Freddy Ratdke (*EPFL, Switzerland*)

“Yin and Yang of Notch and Sox positive triple negative breast cancer” (20'+5')

20:00

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

THURSDAY, October 5

09:00 – 10:35

X. Immune system, disease and therapy

Chairs: Kenji Matsuno (*Osaka University, Japan*)

Anna Bigas (*Hospital del Mar Research Institute, Spain*)

“Cis-inhibition of Notch by Jagged1 sustains embryonic hematopoietic stem cell fate”
(20'+5')

Nathalie Labrecque (*Université de Montréal, Canada*)

“Notch regulates early resident memory cd8 t cell differentiation in a context-dependent manner” (12'+3')

Andreas Fischer (*University Medical Center Göttingen, Germany*)

“Endothelial Notch signaling drives tumor progression and remodeling of distant organs”
(12'+3')

Lluc Mosteiro (*Genentech, USA*)

“Notch signaling in a novel thyrocyte subpopulation is essential for adult thyroid function and mammalian homeostasis” (12'+3')

Cecilia Sahlgren (*Åbo Akademi University, Finland*)

“Jagged is a mechanosensor in the vasculature” (20'+5')

10:35 – 11:15

Coffee Break

11:15 - 12:10

X. Immune system, disease and therapy (*continued*)

Chair: Stacey Huppert (*Cincinnati Children's Hospital Medical Center, USA*)

Ivan Maillard (*University of Pennsylvania, USA*)

“Positional regulation of B cell homeostasis by stromal Notch ligands” (20'+5')

Simeone Alessandra (*Sapienza University of Rome, Italy*)

“Role of Notch signaling pathway in G2 Damage checkpoint in T-cell acute lymphoblastic leukemia (T-ALL)” (12'+3')

Domenica Giannandrea (*University of Milan, Italy*)

“Notch pathway mediates the tumorigenic role of extracellular vesicles in multiple myeloma”
(12'+3')

12:10 – 13:00

Announcement Best Poster Winners & Closing Remarks

13:00 – 14:15

Lunch

POSTER SESSION

1. Anneka Allman (*University of Pennsylvania, USA*)

“Access to stromal Delta-like1 Notch ligands in splenic B cell follicles controls the positioning and function of marginal zone B cells”

Authors: Anneka Allman, Brian Gaudette, Chris Seibel, Luther Sanjiv, David Allman, Ivan Maillard

2. Marlene Assfalg (*Technical University Munich, Germany*)

“Modulating γ -Secretase Cleavage of Notch for Therapeutic Insights”

3. Beth Barnes (*University of Manchester, UK*)

“Identifying synthetic lethal candidates to target Notch-driven cancers via quantitative proteomics”

Authors: Bethany Barnes, Simon Woodcock, Martin Baron, Simon Hubbard

4. Zhihan Bo (*University of Oxford, UK*)

“Cell- and molecular-based studies of EGF20-33 in the Notch1 extracellular domain”

Authors: Zhihan Bo, Hilman Nurmahdi, Edward D.Lowe, Christina Redfield, Penny A. Handford

5. Zsófia Bujtár (*Max Delbrück Center for Molecular Medicine, Germany*)

“Computational modeling of the Hes1 oscillator for the self-renewal of muscle stem cells”

Authors: Zsófia Bujtár, Katharina Baum, Yao Zhang, Ines Lahmann, Carmen Birchmeier, Jana Wolf

6. Cristiana Caliceti (*University of Bologna, Italy*)

“The possible role of secondary bile acids in Notch signaling modulation in colorectal cancer”

Authors: Alessia Silla, Angela Punzo, Rossana Comito, Emanuele Porru, Silvana Hrelia, Cristiana Caliceti

7. Antonio Francesco Campese (*Sapienza, University of Rome, Italy*)

“Myeloid-Derived Suppressor Cells as A Potential Target of Immunotherapy In Notch-Dependent T-Cell Acute Lymphoblastic Leukemia”

Authors: Behnaz Abdollahzadeh, Aeo Noemi Martina Cantale, Maria Basciani, Giovanna Peruzzi, Isabella Screpanti, Antonio Francesco Campese

8. Lavinia Casati (*University of Milan, Italy*)

“A Notch-Message in a Bottle. Extracellular vesicles mediate Notch signaling and a protumoral behavior of pre-osteoblasts in multiple myeloma.”

Authors: Lavinia Casati, Valentina Citro, Domenica Giannandrea, Natalia Platonova, Nazanin Abazari, Rafella Chiaramonte

9. Niki Chalkidi (*BSRC “Alexander Fleming, Greece*)

“Notch3 expression characterizes intestinal tumor pericytes”

Authors: Niki Chalkidi, Athanasia Stavropoulou, Maria Sakkou, Christoforos Nikolaou, Vasiliki Koliaraki

10. Charisa Cottonham (*Genentech, USA*)

“A Novel Role for Mindbomb1 as a Negative Regulator of BMP Signaling”

Authors: Charisa Cottonham, Gloria Hernandez, Tommy Cheung, Chris Rose, Rajini Srinivasan, Chris Siebel

11. Arkadiusz Czerwonka (*Medical University of Lublin, Poland*)

“Influence of Notch signaling modulation on anticancer drugs sensitivity in 2D and 3D cell culture models for HNSCC”

Authors: Arkadiusz Czerwonka, Joanna Kalafut, Alinda Anameric, Alicja Przybyszewska-Podstawka, Shaoxia Wang, Matthias Nees

12. Francisco Javier de Haro Arbona (*University of Cambridge, UK*)

“From signalling to transcription of Notch targets: Live imaging reveals assembly and progression of transcription hubs.”

Authors: Francisco Javier De Haro Arbona, Harry Roussos, Sarah Baloul, Johnathan Townson, Maria J Gomez- Lamarca, Sarah Bray

13. Pavel Docshin (*World-Class Research Centre for Personalized Medicine, Russia*)

“Dysregulated Notch Signaling Pathway And Bmp2 Revealed In Total Anomalous Pulmonary Venous Connection Through Transcriptomic Analysis”

Authors: Pavel Docshin, Aleksandr Morozov, Arthur Aquino, Aleksandr Latypov, Anna Malashicheva, Anna Kostareva Anna

14. Daria Evensen (*University of Oslo, Norway*)

“Notch Signaling as a Resource for Managing Endothelial-to-Mesenchymal Transition of Primary Endothelial Cells”

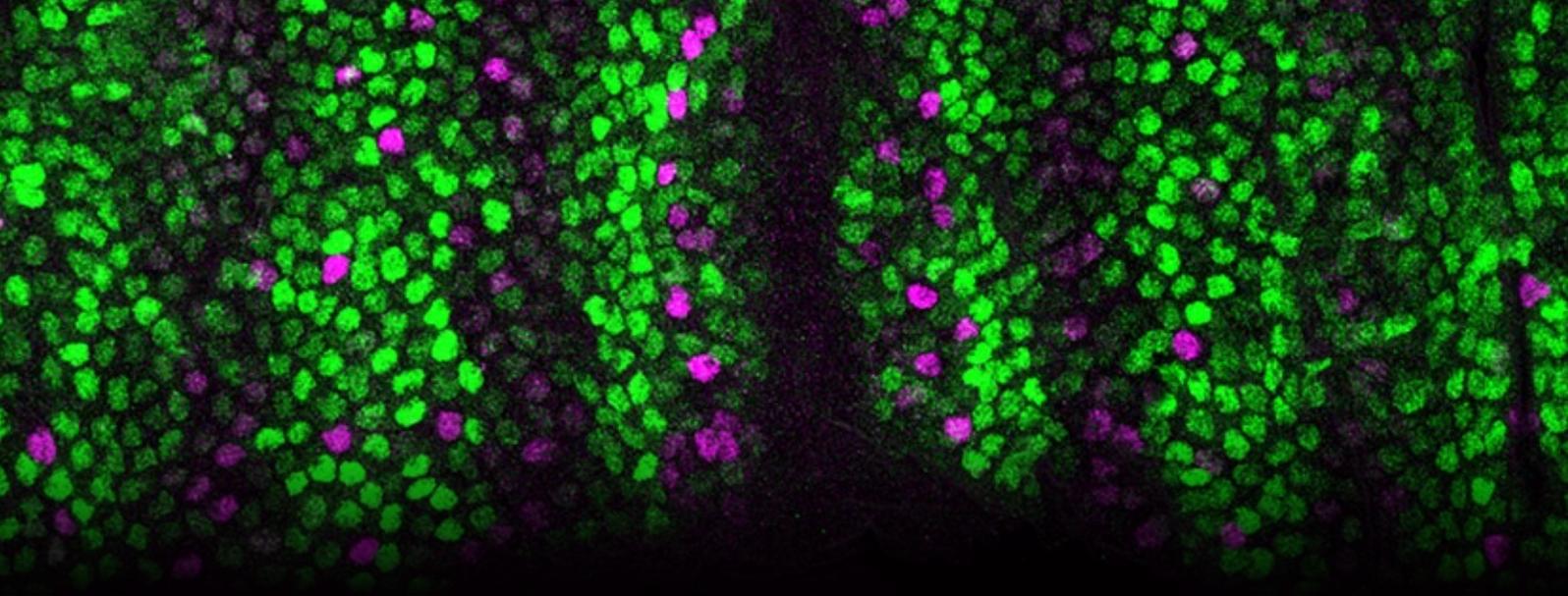
Authors: Daria Evensen, Luisa Marracino, Paola Rizzo, Jarle Vaage, Anna Malashicheva

- 15. Xinyi Feng** (*University of Oxford, UK*)
“Investigating the functional significance of lipid-binding properties of human Notch ligands in health and disease”
Authors: Xinyi Feng, Penny Hardford, Yao Meg, Oliver Webb
- 16. Masa Filipovic** (*University of Zagreb School of Medicine, Croatia*)
“Notch signaling negatively regulates osteoclast activity in the mouse model of rheumatoid arthritis”
Authors: Masa Filipovic, Ozana Jaksic, Tomislav Kelova, Novak Sanja, Kalajzic Ivo, Grcevic Danka
- 17. Gregory Foran** (*Brock University, Canada*)
“Interrogation of Human Notch transcriptional dynamics in live cells with super resolution microscopy”
- 18. Morgane Fournier** (*EPFL, Switzerland*)
“SOX2 drives resistance to Notch inhibitors by repressing NOTCH transcription, inducing EMT and stemness in triple negative breast cancer”
Authors: Morgane Fournier, Joaquim Javary, Nadine Fournier, Freddy Radtke
- 19. Christof Gebhardt** (*Institute of Biophysics, Ulm University, Germany*)
“Influence of DNA and cofactor binding on the in vivo binding free energy and activity of RBPJ”
Authors: Duyen Huynh, Philipp Hoffmeister, Tobias Friedrich, Tilman Borggrefe, Franz Oswald, Christof Gebhardt
- 20. Maria Valeria Giuli** (*Sapienza University of Rome, Italy*)
“Dissecting Pin1-Notch3 axis: a new “tunable” mediator of Platinum resistance in High-Grade Serous Ovarian Cancer”
Authors: Maria Valeria Giuli, Angelica Mancusi, Bianca Natiello, Diana Bellavia, Isabella Screpanti, Saula Checquolo
- 21. Antigoni Gogolou** (*The University of Sheffield, UK*)
“Exploring the role of Notch signalling pathway in human enteric nervous system progenitors”
Author: Antigoni Gogolou, Anestis Tsakiridis
- 22. Maria J Gomez-Lamarca** (*Universidad de Sevilla, Spain*)
“OptIC Notch reveals mechanism that regulates receptor interactions with CSL”
Authors: Jonathan M Townson, Maria J Gomez-Lamarca, Maria J Santa Cruz Mateos, Sarah J Bray
- 23. Danka Grcevic** (*University of Zagreb School of Medicine, Croatia*)
“Effect of Notch signaling modulation in human osteoclast progenitors induced by rheumatoid arthritis”
Authors: Sara Anicic, Zrinka Jajic, Marina Ikic Matijasevic, Mariastefania Antica, Alan Sucur, Danka Grcevic
- 24. Kirti Gupta** (*The Francis Crick Institute, UK*)
“Notch-Jag2b feedback guides trabecular ridge patterning during zebrafish heart development”
Authors: Rashmi Priya, Hector Sánchez-Iranzo, Kirti Gupta
- 25. Ryan Hallam** (*Brock University, Canada*)
“Endogenous tagging of Presenilin-1 and Nicastrin using CRISPR-Cas9 for subcellular visualization of γ -secretase in human cell culture”
Authors: Ryan D. Hallam, Natasha K. Fletcher, Greg Foran, Marvel Megaly, Anel Turgambayeva, Aleksandar Necakov
- 26. Simona Hankeova** (*Genentech, Inc, USA*)
“Developing synthetic Notch agonists to control cell fate switches and understand receptor activation mechanisms”
Authors: Simona Hankeova, Travis Morgenstern, Christopher Koo, Claudio Ciferri, James T Koerber, Christian W. Siebel
- 27. Fabienne Haslam** (*University of Manchester, UK*)
“Cross Talk Between the Tuberous Sclerosis Complex and Notch”
Authors: Fabienne Haslam, Raluca Revici, Hideyuki Shimizu, Simon Woodcock, Sue Kimber, Martin Baron
- 28. Josh Hawley** (*University of Manchester, UK*)
“Dynamic switching of lateral inhibition spatial patterns”
- 29. Gloria Hernandez** (*Genentech, USA*)
“Discovery of MIB1 as a negative regulator of BMP signaling in endothelial cells and a therapeutic target in Pulmonary Arterial Hypertension”
Authors: Gloria Hernandez, Charisa Cottonham, Chris Siebel
- 30. Samira Sadat Hosseini Alghaderi** (*University of Manchester, UK*)
“Extracellular Removal and Notch3 Activation in the Endocytic Pathway, and the Impact of CADASIL Mutants”
Authors: Samira Sadat Hosseini Alghaderi, Wei-hsiang Lin, Martin Baron

- 31. Maria Lydia Ioannides** (*University of Zurich, Switzerland*)
“Lineage tracing reveals the role of Notch signaling in dental epithelium reorganization during the formation of tooth-root”
Authors: Maria Ioannides, Anamria Balic, Thimios Mitsiadis
- 32. Joanna Kalafut** (*Medical University of Lublin, Poland*)
“Optogenetic modulation of Notch via TANGO-Light system”
Authors: Joanna Kalafut, Alicja Przybyszewska-Podstawka, Jakub Czapinski, Ha Ngo Thu, Arkadiusz Czerwonka, Adolfo Rivero-Müller
- 33. Motoo Kitagawa** (*International University of Health and Welfare School of Medicine, Japan*)
“TM2 domain containing 3 (Tm2d3) is required for Notch signal-dependent steps in vascular and lymphocyte development in vivo”
Authors: Takumi Itabashi, Toshifumi Umemiya, Atsushi Iwama, Wataru Masuda, Rieko Ajima, Yumiko Saga, Motoo Kitagawa
- 34. Argyro Lamprou** (*University of Zurich, Switzerland*)
“Role of Notch2 in the generation of labial-lingual asymmetry of the continuously growing rodent incisors (revised)”
Authors: Argyro Lamprou, Christina Porcheri, Thimios Mitsiadis
- 35. Sara Lazzari** (*Sapienza University of Rome, Italy*)
“Study of potential anti-leukemic properties of a novel curcumin derivative in Notch-dependent T-ALL”
Authors: Sara Lazzari, Eleonora Pace, Diego Caprioglio, Isabella Screpanti, Alberto Minassi, Rocco Palermo
- 36. Emma Leroux** (*Université de Rennes 1 - CNRS, France*)
“Decoding the transcriptional dynamics of muscle stem cells response to Notch signaling.”
Authors: Emma Leroux, Savannah Moinet, Thierry Pecot, Hadi Boukhatmi
- 37. Annie Lin** (*UCSF, USA*)
“Engineered Notch creates size-dependent specialized membrane microdomains with proteolytic hotspots”
Authors: Annie Lin, Iowis Zhu, Zihan Li, Harry Wu, Kole Roybal, Young-wook Jun
- 38. Anna Malashicheva** (*Institute of Cytology, Russian Academy of Sciences, Russia*)
“Notch as a tool to manage osteogenic differentiation”
- 39. Anna Malashicheva** (*Institute of Cytology, Russian Academy of Sciences, Russia*)
“Notch as a mediator of endothelial-mesenchymal cell communication during osteogenic differentiation”
Authors: Daria Perepletchikova, Irina Hovorova, Lobov Arseny, Anna Malashicheva
- 40. Anna Malashicheva** (*Institute of Cytology, Russian Academy of Sciences, Russia*)
“Notch suppression in endothelial cells as a tool to drive osteogenic differentiation”
Authors: Lubov Basovich, Daria Perepletchikova, Anna Muryleva, Anna Malashicheva
- 41. Angelica Mancusi** (*La sapienza University of Rome, Italy*)
“Post-Translational Modifications of Notch3 as a modus operandi to regulate its protein activity and stability”
Authors: Angelica Mancusi, Maria Valeria Giuli, Bianca Natiello, Saula Checquolo
- 42. Sandra Maréchal** (*Ugent-VIB Inflammation Research Centre, Belgium*)
“Notch signaling controls type 1 dendritic cell maturation.”
Authors: Sandra Maréchal, Victor Bosteels, Clint De Nolf, Sophie Janssens
- 43. Kenji Matsuno** (*Osaka University, Japan*)
“A neomorphic inhibitor secreted from pecanex mutant macrophages remotely suppresses Notch signaling”
Author: Kenji Matsuno, Tomoko Yamakawa
- 44. Dave Maurice De Sousa** (*Université de Montréal, Canada*)
“Notch Signaling Controls Cd8 T Cell Exhaustion”
Authors: Dave Maurice De Sousa, Frédéric Duval, Eric Perkey, Christian Siebel, Ivan Maillard, Nathalie Labrecque
- 45. Marvel Megaly** (*Brock University, Canada*)
“Investigating the role of Notch signalling in the development of the ventral mesoderm in *Drosophila melanogaster*”
Authors: Marvel Megaly, Gregory Foran, Aleksander Necakov

- 46. Bianca Natiello** (*Sapienza University of Rome, Italy*)
 “Uncovering the molecular mechanism governing Pin1-WWP2 antagonistic interplay on Notch3 in Ovarian Cancer”
 Authors: Bianca Natiello, Angelica Mancusi, Maria Valeria Giuli, Saula Checquolo
- 47. Kristýna Neffeová** (*Institute of Anatomy, Charles University, Prague*)
 “Investigating Cardiac Outflow Tract Changes in Conditional Jagged1 Mutant Mice”
 Authors: Kristýna Neffeová, David Sedmera, Hana Kolesova
- 48. Daniel Oliveira** (*Faculty of Science, Charles University, Czech Republic*)
 “Assessing the Jagged1 intracellular domain functions, using liver disease-causing mutations in mouse”
 Authors: Anna Maria Frontino, Daniel V. Oliveira, Eliška Trampotová, Hana Kolesova, Jan Mašek
- 49. Sara Ortica** (*Institut Pasteur, France*)
 “Establishment of the Notch3 signaling pattern within the neural stem cell population of the adult zebrafish telencephalon”
 Authors: Sara Ortica, Nicolas Dray, Laure Bally-Cuif
- 50. Franz Oswald** (*University Medical Center Ulm, Germany*)
 “RBPJ acts as a tumor suppressor in KRAS(G12D)driven pancreatic cancer initiation”
 Authors: Pan Leiling, Mulaw Medhanie, Min Guo, Seufferlein Thomas, Martin Wagner, Oswald Franz
- 51. Eleonora Pace** (*Sapienza University of Rome, Italy*)
 “The histone methyltransferase Enhancer of Zeste Homolog 2 (EZH2) suppresses Notch signaling in cervical cancer and acute myeloid leukemia”
 Authors: Eleonora Pace, Sara Lazzari, Angela Capo, Luca Tottone, Isabella Screpanti, Rocco Palermo
- 52. Qin Pan** (*Ludwig-Maximilians-Universität München, Germany*)
 “Notch signalling is involved in Hydra head patterning and regeneration”
 Authors: Qin Pan, Alexander Kilmovich, Jörg Wittlieb, Angelika Böttger
- 53. Miranta Papadopoulou** (*University of Crete Medical School, Greece*)
 “Notch signaling empowers the immunosuppressive function of regulatory T cells in tumor microenvironment.”
 Authors: Miranta Papadopoulou, Myrto Mytletton, Matthieu Lavigne, Apostolos Klinakis, Panayotis Verginis
- 54. Marjaana Parikainen** (*Åbo Akademi University, Finland*)
 “Jagged1 regulates extracellular matrix in breast cancer”
 Authors: Marjaana Parikainen, Ujjwal Suwal, Pekka Rappu, Jyrki Heino, Cecilia Sahlgren
- 55. Shrina Patel** (*University of Cambridge - Dept of Genetics, UK*)
 “Role of the atypical Notch ligand Dlk2, and its relationship with Dlk1, in mammalian neurogenesis”
 Authors: Shrina Patel, Ariella Weinberg-Shukron, Stephanie Telerman, Anne Ferguson-Smith
- 56. Kseniya Perepelina** (*Institute of Cytology, Russian Academy of Sciences, Russia*)
 “LMNA R249Q mutation influence Notch functioning in the iPSC derived cardiomyocytes”
 Authors: Kseniya Perepelina, Anna Malashicheva
- 57. Raluca Revici** (*University of Manchester, UK*)
 “Understanding the role of Deltex in stem cell contexts”
 Authors: Raluca Revici, Herbert Shane, Sudipto Roy, Martin Baron
- 58. Prachi Richa** (*PDN, University of Cambridge, UK*)
 “Lateral inhibition in real-time: Notch-signalling dynamics in proneural-clusters during neurogenesis”
 Authors: Prachi Richa, Harry Roussos, Julia Faló-Sanjuan, Sze Mai
- 59. Julia Rogers** (*Harvard Medical School, USA*)
 “Dynamic heterogeneity of the Notch transcriptional response”
 Authors: Julia Rogers, Claudia Mimoso, Benjamin Martin, Jon Aster, Karen Adelman, Stephen Blacklow
- 60. Sami Sanlidag** (*Åbo Akademi University, Finland*)
 “The Jagged1-Notch2 axis is important for vascular smooth muscle cell differentiation and 3D lateral induction”
 Authors: Sami Sanlidag, Amanda Norren, Marika Sjöqvist, Cecilia Sahlgren

- 61. Gustavo Scanavachi** (*Harvard Medical School / Boston Children's Hospital, USA*)
“Stoichiometry and Temporal Dynamics in Notch Signaling”
Authors: Lena Tveriakhina, Gustavo Scanavachi, Emily D Egan, Ricardo Bango Da Cunha Correia, Thomas L Kirchhausen, Stephen C Blacklow
- 62. Michael Schneider** (*University of Pennsylvania, USA*)
“A role for Notch agonism in anti-tumor immunity”
Authors: Michael Schneider, Puneeth Guruprasad, Katlyn Lederer, Christian Siebel, Marco Ruella, Ivan Maillard
- 63. Ilaria Sergio** (*University of Rome "La Sapienza", Italy*)
“Notch3 deregulates CXCR4 expression in immature thymocytes to sustain acute lymphoblastic leukemia progression”
Authors: Ilaria Sergio, Claudia Varricchio, Sandesh Kumar Patel, Giovanni Bernardini, Isabella Screpanti, Maria Pia Felli
- 64. Philip Seymour** (*Novo Nordisk Foundation Center reNEW, University of Copenhagen, Denmark*)
“Factors Modulating Hes1 Oscillation Parameters in Pancreatic Progenitor Cells”
Authors: Philip A. Seymour, Anuska la Rosa Egeskov-Madsen, Xiaochan Xu, Mette C.Jørgensen, Palle Serup
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