

The Notch Meeting



Athens, Greece 2007

23 – 27 September

PROGRAM

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The Notch Meeting 2007

23-27 September 2007
Athens-Greece

PROGRAM

Talks will be 20 minutes and 10 (*) minutes long, including discussions.

SUNDAY, September 23

16:00 - 22:00 Registration (The Athens Plaza Hotel)

20:30 Reception (The Athens Plaza Hotel)

MONDAY, September 24

POSTER SESSION

09:00 - 09:10 Opening Remarks

09:10 - 11:00 **I. Molecular Aspects of Signaling**

Chairs: **K. Irvine** / **G. Weinmaster**

Francois **Schweisguth** (Ecole Normale Supérieure, France)
"Spatial Regulation of Neuralized-mediated Delta Signalling by the Bearded"

Marc **Muskavitch** (Boston College, USA),
"Functional genomic analysis of the roles of the vesicle trafficking machinery
in Notch pathway function in Drosophila"

Janice **Fischer*** (The University of Texas at Austin, USA)
"The roles of epsin and auxilin in Delta signaling"

Gerry **Weinmaster** (David Geffen School of Medicine at UCLA, USA),
"DSL ligand endocytosis in Notch activation"

Achim **Gossler***(Medizinische Hochschule Hannover, Germany)
"Divergent functions and localization of the Notch ligands DLL1 and DLL3 in vivo"

Alain **Israel** (Institut Pasteur, France)
"Trafficking of Notch and its ligands"

11:00 - 11:30 Coffee Break

11:30 - 13:30 **I. Molecular Aspects of Signaling** (continued)

Chairs: **K. Irvine** / **G. Weinmaster**

Martin **Baron** (University of Manchester, UK)
"Endocytic regulation of Notch signalling"

Thomas **Klein*** (Institute of Genetics, Germany),
"Regulation of endosomal trafficking and activity of Notch by the tumour suppressor gene Igd"

Sarah **Bray** (Cambridge University, UK)

Masayasu **Okochi*** (Osaka University Graduate School of Medicine, Japan)
"Regulation of Notch signaling by dynamic changes I"

Ken **Irvine** (Rutgers / HHMI, USA)
"A fringe story"

Hugo **Bellen** (BCM/HHMI Baylor Texas CM, USA)
"Rumi, an O-glucosyl transferase required for Notch signaling"

Kenji **Matsuno** (Tokyo University of Science, Japan)
"Genetic analysis of the Notch O-fucosylation pathway and its roles in Notch signaling"

13:30 - 16:00

Lunch Break

16:00 - 17:30

I. Molecular Aspects of Signaling (continued)

Chairs: **K. Irvine** / **G. Weinmaster**

Raphael **Kopan** (Washington University, USA)
"Unintended consequences: non autonomous response to loss of Notch signaling"

Anne C. **Hart*** (Massachusetts General Hospital and Harvard Medical School, USA),
"Identification of conserved Notch co-ligands that regulate *C. elegans* development & adult behavior"

Tasuku **Honjo** (Kyoto University, Graduate School of Medicine, Japan)
"Evolutionary conservation of the regulatory mechanism for Notch signaling"

Edward **Giniger*** (NIH, USA)
"The molecular basis of non-Su(H) Notch signaling and its role in axon patterning in *Drosophila*"

Weimin **Zhong** (Yale University, USA)
"The Enigma of the Numb-Notch Relationship in Mammalian Embryogenesis"

17:30 - 18:00

Coffee Break

18:00 - 19:30

II. Structural Studies, Biochemistry

Chairs: **S. Blacklow** / **Diane Hayward**

Stephen **Blacklow** (Brigham & Women's Hospital and Harvard Medical School, USA)
"Mechanistic insights into normal and pathogenic Notch signaling"

Penny **Handford*** (University of Oxford, UK)
"Structural and functional analysis of a Notch-Binding fragment of human jagged-1"

Bob Lake* (Harvard Medical School, USA)
"The Notch Receptor: In Shape And With Cleavage"

Doug **Barrick** (John Hopkins University, USA)
"Molecular recognition events and conformational heterogeneity in intracellular Notch signaling"

TUESDAY, September 25

POSTER SESSION

09:00 - 10:00

II. Structural Studies, Biochemistry (continued)

Chairs: S. **Blacklow** / Diane **Hayward**

Rhett **Kovall** (University of Cincinnati , College of Medicine, USA)
"Structure, Energetics, and Function of the Notch RAM domain interaction with CSL"

David **Ish-Horowicz** (London Research Institute, UK)
"Structural basis of repressor recognition by Groucho/TLE"

Chiaki **Takahashi*** (Kyoto University Graduate School of Medicine, Japan)
"RECK regulates Notch signaling during cortical development by directly interacting with ADAM10"

10:00 - 11:00

III. Developmental Regulation, Cell Fates in Specific Systems

Chairs: A. **Bigas** / O. **Pourquie**

Anna **Bigas** (Institut d' Investigacio Biomedica de Bellvitge, IDIBELL, Spain)
"Deciphering the role of Notch in the embryonic development of hematopoietic stem cells"

Holger **Gerhardt** (London Research Institute - Cancer Research UK)
"VEGF and Notch - the Yin and Yang of angiogenic sprouting"

Mark **Mercola** (Burnham Institute for Medical Research, USA)
"Notch function in developing and adult cardiac muscle"

11:00 - 11:30

Coffee Break

11:30 - 13:30

III. Developmental Regulation, Cell Fates in Specific Systems

(continued)

Chairs: A. **Bigas** / O. **Pourquie**

Nick **Gaiano** (Johns Hopkins University, School of Medicine, USA)
"Differential Notch signaling distinguishes neural stem cells from intermediate progenitors"

Olivier **Pourquie** (Howard Hughes & Stowers Institute for Medical research, USA)
"Notch signaling and the vertebrate segmentation clock"

Yumiko **Saga** (National Institute of Genetics, Japan)
"The spatio-temporal regulation of somitogenesis" Benjamin **Ohlstein*** (Carnegie Institution, USA)
"Drosophila intestinal stem cells specify daughter cell fates by differential Notch signaling"

Julian **Lewis** (CR-UK London Reserach Institute, UK)
"The zebrafish segmentation clock: dynamics of Notch signalling and some things Notch does not do"

Domingos **Henrique** (Instituto Medicina Molecular, Portugal)
"Notch Ligands and Mammalian Neurogenesis"

Andreas **Fischer*** (Biocenter- University of Wuerzburg, Germany)
"Notch signaling via Hey genes: Essential regulation of endothelial cell differentiation"

13:30 - 16:00

Lunch Break

- 16:00 – 17:30 **III. Developmental Regulation, Cell Fates in Specific Systems**
(continued)
Chairs: **A. Bigas / O. Pourquie**
- Christos **Delidakis** (Institute of Molecular Biology & Biotechnology FoRTH & University of Crete, Greece)
“Hey, a new Notch target gene in Drosophila”
- Ajay **Chitnis** (Sunnybrook Research Institute- National Institute of Child Health and Human Development, USA)
“Mosaic Eyes and the Genetic Circuit that Maintains Wnt Signaling Centers at Rhombomere Boundaries”
- Benjamin **Ohlstein*** (Carnegie Institution, USA)
“Drosophila intestinal stem cells specify daughter cell fates by differential Notch signaling”
- Michael Gho** (University of Paris VI-CNRS, France)
“S-phase favours cell responsiveness for Notch activation in the Drosophila bristle lineage”
- 17:30 - 18:00 Coffee Break
- 18:00 - 19:30 **IV. Notch Immunology**
Chairs: **I. Screpanti / B. Osborne**
- Tannishtha **Reya** (Duke University Medical Center, USA)
“Imaging asymmetric division in stem cells and cancer”
- Iannis **Aifantis** (New York University, USA)
“Regulation of Hematopoiesis by the Notch1 ubiquitin ligase Fbw7”
- Irwin **Bernstein** (Fred Hutchinson Cancer Research, USA)
- Barbara **Osborne** (University of Massachusetts, USA)
“Notch modulation of peripheral T cell function”
- Brian **Champion*** (Celldex Therapeutics Ltd., UK)
“Regulation of Peripheral CD4 T-Cell Responses In Vitro and In Vivo by Notch Ligands”

WEDNESDAY, September 26

POSTER SESSION

- 09:00 - 10:30 **IV. Notch Immunology** (continued)
Chairs: **I. Screpanti / B. Osborne**
- Motoo **Kitagawa*** (Chiba University Graduate School of Medicine, Japan)
“Mastermind-1 is required for Notch signal-dependent steps in lymphocyte development in vivo”
- Koji **Yasutomo*** (The University of Tokushima, Japan)
“Notch2 controls T cell cytotoxicity integrating RBP-jk and CREB-1 mediated signal”
- Apurva **Sarin** (National Center for Biological Sciences, India)
“Notch signaling integrates pathways controlling T-cell homeostasis”

Isabella **Screpanti** (Sapienza University of Rome, Italy)
“Combinatorial interaction among Notch and pre-TCR/TCR pathways differentially regulate T cell development, function and leukemogenesis”

Shigeru **Chiba*** (University of Tokyo Hospital, Japan)
“Activating mutations and copy number gains of Notch2 in diffuse large B-cell lymphoma”

Harald **von Boehmer** (Harvard Medical School, USA)
“How does intracellular Notch1 overexpression result in malignant transformation?”

10:30 - 11:00

V. Notch Signal Integration: Crosstalk, Genetic Circuitries

Chairs: **N. Baker / M. Sundaram**

Alfonso **Martinez-Arias** (University of Cambridge, UK)
“Ligand independent endocytosis of Notch regulates Wnt signalling in Drosophila”

Marie-Clotilde **Alves Guerra*** (The Wistar Institute, USA)
“Mastermind is a specific co-activator of b-catenin transcription activation”

11:00 - 11:30

Coffee Break

11:30 - 13:30

V. Notch Signal Integration: Crosstalk, Genetic Circuitries

(continued)

Chairs: **N. Baker / M. Sundaram**

Silvia **Fre*** (Institut Curie, France)
“Integration of Notch and Wnt signals in intestinal homeostasis and tumorigenesis”

Lluís **Espinosa*** (IDIBELL, Spain)
“Wnt and Notch cooperate in activating a common set of genes in colorectal cancer cells”

Meera **Sundaram** (University of Pennsylvania-School of Medicine, USA)
“Interactions between Notch and Ras in *C. elegans*”

Nick **Baker** (Albert Einstein College of Medicine, USA)
“A Notch target gene for R7 development in the Drosophila eye”

Spyros **Artavanis-Tsakonas** (Harvard Medical School, USA)
“Notch signaling network and its crosstalk with ras”

13:30 - 16:00

Lunch Break

16:00 - 17:00

V. Notch Signal Integration: Crosstalk, Genetic Circuitries

(continued)

Chairs: **N. Baker / M. Sundaram**

Urban **Lendahl** (Karolinska Institute, Sweden)
“Cross-talk between Notch and the cellular hypoxic response”

Lavinia **Aberi*** (Johns Hopkins Medicine, Neuroscience, NeuroICE, USA)
“Notch signaling is activated in neurons by synaptic activity.”

Cedric **Wesley*** (University of Vermont, USA)
“Auto-regulation of Notch Signaling and the 3' UTRs”

17:00 - 17:30

Coffee Break

17:30 - 19:30

VI. Notch Diseases and Notch Disease Models

Chair: **N. Spinner**

Freddy **Radtke** (Ecole Polytechnique Federation de Lausanne, Switzerland)
"Unexpected consequences of loss of Notch signaling in the skin"

Gabrielle L. **Boulianne*** (The Hospital for Sick Children & University of Toronto, Canada)
"The Role of Presenilins in Notch Signaling & Alzheimer's disease"

Ryoichiro **Kageyama** (Kyoto University, Japan)
"The role of Hes1 in brain development"

Jose Luis **de la Pompa*** (Centro Nacional de Biotecnologia, CNB-CSIC, Spain)
"Notch signaling and cardiac chamber identity"

Nancy **Spinner** (The Children's Hospital of Philadelphia, The University of Pennsylvania School of Medicine, USA)
"Developmental Consequences of Notch Pathway Mutations in Humans"

THURSDAY, September 27

POSTER SESSION

09:00 - 11:00

VII. Oncogenesis, Cell Proliferation

Chairs: **J. Aster / M. Dominguez**

Jon **Aster** (Brigham and Woman's Hospital)
"Role of Notch Signal Dose in Mouse Models of T-ALL"

Michelle **Kelliher** (UMass Medical School, USA)
"Notch1-regulated genes and the effects of Notch inhibitors in a Mouse Model of T-ALL"

Warren **Pear** (University of Pennsylvania, USA)
"Notch signaling at the interface of T cell development and leukemia"

Tony **Capobianco** (The Wistar Institute, USA)

Philippe **Kastner*** (Institut de Genetique et de Biologie Moleculaire et Cellulaire (IGBMC), France)
"Convergence of Ikaros and Notch functions during T cell leukemogenesis"

Charles **Eberhart*** (Johns Hopkins, USA)
"Notch Signaling in Stem-Like Brain Tumor Cells"

11:00 - 11:30

Coffee Break

11:30 - 13:30

VII. Oncogenesis, Cell Proliferation (continued)

Chairs: **J. Aster / M. Dominguez**

Sudhir **Krishna** (National Centre for Biological Sciences –TIFR-, India)
"Blocking Notch signalling inhibits growth of putative human cervical cancer stem cells"

Hippokratis **Kiaris** (University of Athens medical School, Greece)
"Notch1 and breast cancer: Modeling the transition to malignancy"

Lucio **Miele** (Cardinal Bernardin Cancer Center, Loyola University Chicago, USA)
"Cross-Talk Between Notch And The Estrogen Receptor In Breast Cancer Suggests New Therapeutic Approaches"

Bob **Callahan** (National Cancer Institute, USA)
“RBPJK Conditional Knockout Reveals Distinct Functions For Notch4 /Int3 on Mammary Development and Tu”

Jieun **Yun*** (Cardinal Bernardin Cancer Center, Loyola University Chicago, USA)
“Protein Kinase C alpha upregulates Notch-4 signaling via AP-1 in tamoxifen resistant breast cancer”

Keith **Brennan*** (University of Manchester, UK)
“Notch signalling regulates apoptosis in breast epithelial cells through Akt”

Gian-Paolo **Dotto*** (University of Lausanne, Switzerland)
“Notch1 is a p53 target gene involved in human keratinocyte tumor suppression”

13:30 - 15:30 Lunch Break

15:30 - 16:10 **VII. Oncogenesis, Cell Proliferation** (continued)
Chairs: **J. Aster / M. Dominguez**

Marco **Milan** (IRB Barcelona, Spain)
“A linear pathway controlling G1/S in the Drosophila wing primordium”

Maria **Dominguez-Castellano** (Instituto de Neurociencias de Alicante, CSIC-UMH, Spain)
“Collaboration of Notch Signalling and Epigenetic Silencers in Cancer”

16:10 - 18:00 **VIII. Notch Disease Targets and Therapeutic Approaches:
Translational Biology/ Drug Development**
Chair: **L. Miele**

Todd **Golde** (Mayo Clinic Jacksonville, USA)
“Substrate targeting by gamma-secretase modulators, applications to targeting Notch.”

Chris **Siebel** (Genetech, Inc., USA)
“Notch Antibody Antagonists for Cancer Therapy”

Bin-Bing Stephen **Zhou** (Tanox, Inc., USA)
“Modulation of Notch signaling by antibodies specific for the Notch extracellular negative regulatory region”.

Adolfo **Ferrando*** (Columbia University, USA)
“Mechanisms of Sensitivity and Resistance to Gamma-Secretase Inhibitors in T-ALL”

18:00 Closing Remarks

POSTER SESSION

- Joseph **Arboleda-Velasquez** (Harvard Medical School, USA) **1**
 “Linking Notch3 Signaling to Ischemic Stroke”
 Authors: Joseph F. Arboleda-Velasquez, Angeliki Louvi & Spyros Artavanis-Tsakonas
- Jeevisha **Bajaj** (National Centre for Biological Sciences, Tata Institute for Fundamental Research, India) **2**
 “Notch Signaling in Cervical Cancer Stem Cells”
 Authors: Jeevisha Bajaj, Deepa Subramanyam, Tessa Maliekal and Sudhir Krishna
- Isabelle **Becam** (Parc científic de Barcelona IRB, Spain) **3**
 “Role of Notch in Dorso-Ventral compartmentalization of the wing disc”
 Authors: Becam I.E., Milan M.
- Regis **Blaise** (Pierre & Marie Curie university / CNRS UMR7079, France) **4**
 “Notch Pathway is involved in Murine Articular Chondrocyte Dedifferentiation”
 Authors: Blaise R, Mahjoub M, Salvat C, Brou C, Corvol MT, Savouret JF, Rannou F, Berenbaum F, Bausero P
- Maurizio **Bocchetta** (Loyola University Chicago Medical Center, Oncology Institute, U.S.A.) **5**
 “Oxygen concentration determines the biological effects of NOTCH-1 signaling in lung cancer”
 Authors: Y. Chen, M. A. De Marco, I. Graziani, A. F. Gazdar, P. R. Strack, Lucio Miele, M. Bocchetta
- Juliana **Callaghan** (University of Oxford, UK) **6**
 “Molecular Analysis of Notch-Ligand Binding”
 Authors: J Callaghan, J Cordle, M Stacey, A van der Merwe, B Champion, S Lea, PA Handfor
- Antonio Francesco **Campese** (University `La Sapienza` Rome, Italy) **7**
 “pTalpha/preTCR is required in Notch3-induced generation and function of peripheral Treg cells”
 Authors: A.F. Campese, P. Grazioli, D. Bellavia, M. Mecarozzi, S. Colantoni, A. Gulino, I. Screpanti
- Wellington **Cardoso** (Boston University School of Medicine, USA) **8**
 “Gamma-secretase activity through Notch is required for lung morphogenesis”
 Authors: Po-Nien Tsao, Felicia Chen, Konstantin Izvolsky, Jining Lu, and Wellington Cardoso
- Henry **Chang** (Purdue University, Department of Biological Sciences, USA) **9**
 “The role of auxilin-mediated ligand endocytosis in Drosophila Notch signaling”
 Authors: Henry Chang, Vasundhara Kandachar, Ting Bai, Jennifer Bayraktar
- Gavin **Chapman** (The Victor Chang Cardiac Research Institute, Australia) **10**
 “Protein expression of Notch signalling components during mouse somitogenesis”
 Authors: Gavin Chapman, Duncan Sparrow, Sally Dunwoodie
- Kelly **Chiang** (Paterson Institute for Cancer Research, UK) **11**
 “Notch signalling in early haematopoietic development”
 Authors: Kelly Chiang, Georges Lacaud, Valerie Kouskoff
- Giovanna **Collu** (University of Manchester, UK) **12**
 “Crosstalk between Notch and Wnt signaling”
 Authors: Giovanna M. Collu, Keith R. Brennan
- Chiara **Collesi** (ICGEB, International Center for Genetic Engineering and Biotechnology, Italy) **13**
 “Notch-1 signaling regulates postnatal cardiomyocyte proliferation”
 Authors: Chiara Collesi, Lorena Zentilin, Giulia Felician and Mauro Giacca
- Louis **Dang** (Johns Hopkins University, USA) **14**
 “The role of Deltex in the development of the mouse telencephalon”
 Authors: Louis Dang, Amalia Londono, S. Pablo Sardi, Gabriel Corfas, Nicholas Gaiano
- Debashish **Das** (Karolinska Institute, Sweden) **15**
 “Notch regulates embryonic stem cell proliferation during initial stages of differentiation”
 Authors: Debashish Das, Frederik Lanner, Cecilia Sahlgren, Heather Main, Emil Hansson, Urban Lendahl
- Cristina **Del Bianco** (Brigham & Women's Hospital and Harvard Medical School, USA) **16**
 “Biophysical characterization of the Notch transcriptional activation complex”
 Authorst: Cristina Del Bianco, John Aster, Stephen C. Blacklow
- Giannino **Del Sal** (Molecular Oncology Unit-National Laboratory CIB, Italy) **17**

- "Notch1 and Pin1 establish a positive feed back loop to enhance cell proliferation and tumor growth"
 Authors: Giannino Del Sal, Alessandra Rustighi, Luca Tiberi, Alessia Soldano
- Alexandre **Djjane** (University of Cambridge, UK) **18**
 "Role of Polychaetoid, the drosophila ZO-1, in regulating adherens junctions and Notch signaling"
 Authors: Alexandre Djiane, Sarah J. Bray
- Jean-Philippe **Dullin** (UMR CNRS 8080, France) **19**
 "RNA-binding protein of the Musashi family and neural stem cells"
 Authors: J-P. Dullin, M. Locker and M. perron
- Alexis **Dumortier** (ISREC/EPFL, Switzerland) **20**
 "Loss of Notch signaling in murine epidermis : A model for Atopic Dermatitis"
 Authors: Alexis Dumortier, Andrea Durham, Sophie Vauclair, Andrew Farr and Freddy Radtke.
- Andre-Dante **Durham** (ISREC-EPFL, Switzerland) **21**
 "Corneal cell fate is maintained during repair by N1 signaling via the regulation of VitA metabolism"
 Authos: S. Vauclair, F. Majo, AD. Durham, N.B. Ghyselinck, Y. Barrandon and F. Radtke
- Gregory **Emery** (IRIC - University of Montreal, Canada) **22**
 "Endocytosis regulates self-renewal of neuroblasts"
 Authors: Gregory Emery, Joerg Betschinger, Juergen Knoblich
- Juliane **Feller** (MHH Molekularbiologie Guppe Gossler, Germany) **23**
 "Is Notch1 the generator of the segmentation clock?"
 Authors: Juliane Feller, Andr? Schneider, Karin Schuster-Gossler, Achim Gossler
- Adolfo **Ferrando** (Columbia University, USA) **24**
 "The ubiquitin protease DUB3 regulates NOTCH1 stability and function"
 Authors: Sasikala Pallikuppam, Jenny Shan, Wei Gu and Adolfo A. Ferrando
- Rita **Fior** (Instituto Gulbenkian Ciencia, Portugal) **25**
 "Real-time imaging of Notch signalling during chick neurogenesis"
 Authos: Rita Fior, Filipe Vilas-Boas and Domingos Henrique
- Romina **Fiorotto** (Yale University, USA) **26**
 "Analysis of liver repair mechanisms in Alagille Syndrome and Biliary Atresia reveals a role for Notch"
 Authors: L. Fabris, M. Cadamuro, M. Guido, C. Spirli, R. Fiorotto, L. Okolicsanyi, M. Strazzabosco
- Ulla-Maj **Fiuza** (University of Cambridge, UK) **27**
 "Regulation of Notch signalling activity"
 Authors: Ulla-Maj Fiuza, Alfonso Martinez Arias, Penny Hayward
- Maria Isabel **Franco** (Institute of Molecular Biology and Genetics. BSRC Alexander Fleming, Greece) **28**
 "Analysis of the activity of the neurogenic protein Neuralized in Long-Term Memory formation"
 Authos: Franco MI, Pavlopoulos E, Skoulakis E.
- Paola **Grazioli** (University `La Sapienza` - Rome, Italy) **29**
 "pTalpha/preTCR is required in Notch3-induced increased generation and function of Treg cells"
 Authors: A.F. Campese, P. Grazioli, D. Bellavia, M. Mecarozzi, S. Colantoni, A. Gulino and I. Screpanti
- Deepti **Gupta** (University of Cambridge, UK) **30**
 "Identification of a Notch ankyrin domain interaction hot spot"
 Authors: Deepti Gupta, Noha Abdel Rahman, Matthias T. Ehebauer, Tom L. Blundell and Alfonso Martinez Arias
- Neetu **Gupta-Rossi** (Signalisation Moleculaire et Activation Cellulaire, BCI, Pasteur Institute, France) **31**
 "Early molecular and cellular events involved in Notch receptor activation in mammalian cells"
- Thijs **Hagenbeek** (University of Amsterdam, Netherlands / Genentech Inc., USA) **32**
 "Notch-mediated activation of PI3K is needed for lymphomagenesis in T cell-specific Pten^{-/-} mice"
 Authors: Thijs J. Hagenbeek, Hergen Spits
- Chihiro **Hama** (RIKEN Center for Developmental Biology, Japan) **33**
 "Notch signal organizes the Drosophila olfactory map by diversifying the sensory neuronal lineages"
 Authors: Keita Endo, Tomoko Aoki, Yuka Yoda, Ken-ichi Kimura, Chihiro Hama
- Sophie **Hamel** (Ecole Normale Superieure, CNRS UMR8542, Paris, FRANCE) **34**
 "Genetic identification of regulators of Delta and Serrate signaling in Drosophila"
 Authors: S. Hamel and F. Schweisguth

Hua **Han** (Fourth Military Medical University, China) **35**

“Essential role of the Notch signaling pathway in maintaining the homeostasis of blood vessels in adu”
 Authors: GR Dou, YC Wang, XB Hu, CM Wang, LH Hou, W Li, Q Li, YS Wang, YM Liang, LB Yao, AG Yang, H Han

Penny **Hayward** (University of Cambridge, UK) **36**

“The Notch receptor regulates the activity of Armadillo/beta-catenin in Drosophila”
 Authors: Penelope Hayward, Tina Balayo, Alfonso Martinez Arias

Beatriz **Hernandez-Diaz** (The University of Manchester, UK) **37**

“Regulation of the Notch Pathway by the Ubiquitin ligase Deltex in Drosophila”
 Authos: Beatriz Hernandez-Diaz, Sylvaine Clemence, Marian Wilkin, Martin Baron

Hector **Herranz** (IRB-Parc Científic de Barcelona, Spain) **38**

“The gene regulatory network involved in DV boundary formation in the Drosophila wing”
 Authors: Hector Herranz, Oriol Canela-Xandri, Ramon Reigada, Francesc Sagues, Javier Buceta and Marco **Milan

Scott **Holley** (Yale University, USA) **39**

“Dissecting Zebrafish Segmentation and Axis Formation via Analysis of Different Delta Isoforms”
 Authors: Andrew Mara, Joshua Schroeder, Scott Holley

Kazuya **Hori** (Harvard Medical School, USA) **40**

“The non-visual beta-arrestin dependent regulation of Notch signaling”
 Authors: Kazuya Hori, Spyros Artavanis-Tsakonas

Ma. Xenia **Ilgan** (Washington University School of Medicine, USA) **41**

“Reporters for real-time monitoring of protein interactions during Notch signaling”
 Authos: Ma. Xenia G. Ilgan, Mary Blandford, David Piwnica-Worms and Raphael Kopan

Robin **Jeannet** (Institute of Genetics and Molecular and Cellular Biology, France) **42**

“Truncated Notch1 proteins display limited increases in protein stability in leukemic T cells”
 Authors: Robin Jeannet, Susan Chan, Philippe Kastner

Yun-Jin **Jiang** (Institute of Molecular and Cell Biology, Singapore) **43**

“Functions of Jagged-Notch Signaling in Zebrafish Pronephros Development”
 Authors: Ma, M. and Jiang, Y.-J.

Mark **Kankel** (Harvard Medical School, USA) **44**

“The use of genome wide approaches to elucidate the Notch genetic circuitry and signal integration”
 Authors: Mark W. Kankel, Gregory D. Hurlbut, Barry Yedvobnick and Spyros Artavanis-Tsakonas

Aly **Karsan** (British Columbia Cancer Research Centre, Canada) **45**

“Coordinated regulation of the Snail family of transcription factors by the Notch and TGF- β pathways”
 Authos: Kyle Niessen, YangXin Fu, Linda Chang, Fred Wong, Pamela Hoodless, Deborah McFadden, Aly Karsan

Petar **Kasherov** (Institut Jacques Monod (CNRS UMR 7592), France) **46**

“Notch pathway during adult myogenesis in Drosophila”
 Authors: Petar Kasherov, Frederic Bernard, Annie Dutriaux, Joel Silber, Alexis Lalouette.

Daichi **Kawaguchi** (Institute of Molecular and Cellular Biosciences, University of Tokyo, Japan) **47**

“Expression of Dll1 is a critical determinant of neurogenesis in the developing mouse telencephalon”
 Authors: Daichi Kawaguchi, Takeshi Yoshimatsu, Katsuto Hozumi, Norihisa Masuyama, Yukiko Gotoh

Evangelia **Koutelou** (¹Stowers Institute for Medical Research, Kansas City, Missouri 64110, USA; **48**

²Department of Biology, University of Crete, P.O. Box 2208, Heraklion, 71409, Crete, Greece; ³School of Medicine, University of Patras, University Campus 26500, Patra, Greece)

“Neuralized-like1 targeted to the plasma membrane by N-myristoylation regulates the Notch ligand Jagged1”
 Authors: Evangelia Koutelou^{1,2}, Shigeo Sato¹, Chieri Tomomori-Sato¹, Laurence Florens¹, Selene K. Swanson¹, Michael P. Washburn¹, Maria Kokkinaki², Ronald C. Conaway¹, Joan W. Conaway¹, Nicholas K. Moschonas^{2,3}

Luke **Krebs** (The Jackson Laboratory, USA) **49**

“Arteriovenous Malformations in Notch and Eph/Ephrin Pathway Mutants Resemble Those Observed In Alk1”
 Authors: Krebs, LT, Starling, C, Norton, CR, Chervonsky, A, and Gridley, T

Muthusamy **Kunnimalaiyaan** (UW School of Medicine and Public Health, USA) **50**

“Tumor Suppressor Role of Notch1 in Neuroendocrine Tumors”

Authors: Muthusamy Kunnimalaiyaan, Herbert Chen

Daniel **Lafkas** (University of Athens, Medical School, Greece) **51**

“Genetic interaction between Notch and non-homologous end joining in breast cancer”

Authors: Lafkas Daniel G., Christodoulou Constantina, Artavanis-Tsakonas Spyros, Kiaris Hippokratis

Fabiola **Leon** (Institute for Scientific and Technological Research of San Luis Potosi, Mexico) **52**

“Gene expression in cervical cancer of Mexican women and the participation of the Notch pathway”

Authors: Ma. Fabiola Leon-Galvan, Erika N. Marino-Marmolejo, Leticia Santos.

Olga **Lubman** (Washington University School of Medicine, USA) **53**

“Quantitative Dissection of the Notch:CSL Interaction: Insights into the Notch Transcriptional Switch”

Authors: Olga Y. Lubman^{1,2}, Ma. Xenia G. Ilagan², Raphael Kopan^{2*} and Doug Barrick^{1*}

Dieter **Maier** (University of Hohenheim, Genetics Institute, Germany) **54**

“Apis mellifera Hairless can replace its Drosophila counterpart despite a high degree of divergence”

Authors: Dieter Maier, Anna Chen, Manuela Ketelhut

Heather **Main** (Karolinska Institute, Sweden) **55**

“The Role of Hypoxia and Notch Signalling in Embryonic Stem Cell Differentiation”

Authors: Heather Main, Emil Hansson, Cecilia Sahlgren, Debashish Das, Urban Lendahl

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Authors: Pellerito S, DiSerio C, Paglierani M, Massi D, Masotti G, Degl'Innocenti D, Prudovsky I, Tarantini F

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Jieun **Yun** (Cardinal Bernardin Cancer Center, Loyola University Chicago, USA) **106**

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