

# The Notch Meeting V

## 2 – 6 October 2011

### Athens, Greece

#### Introduction

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 with the title Notch and Cancer was held in 2008. The second, with the title Notch and Stem Cells was held in Athens in October 2010.

This fifth 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](http://www.FondationSante.org)) and benefit from the generosity of additional sponsors.

#### Organizing Committee

**Iannis Aifantis**, New York University (NYU), USA, **Spyros Artavanis-Tsakonas**, Harvard Medical School, USA, **Hugo Bellen**, Baylor College of Medicine, HHMI, TMC, USA, **Irwin Bernstein**, Fred Hutchinson Cancer Research, USA, **Sarah Bray**, Cambridge University, School of the Biological Sciences, UK, **Robert Callahan**, National Cancer Institute, USA, **Tony Capobianco**, University of Miami, School of Medicine, USA, **Ryoichiro Kageyama**, Institute for Virus Research, Kyoto University, Japan, **Raphael Kopan**, Washington University, School of Medicine, USA, **Rhett Kovall**, University of Cincinnati College of Medicine, USA, **Warren S. Pear**, Abramson Family Cancer Research Inst., University of Pennsylvania, USA, **Freddy Radtke**, École Polytechnique Fédéral de Lausanne, Switzerland, **Thomas Rando**, Stanford University, School of Medicine, USA, **Yumiko Saga**, National Institute of Genetics, Japan, **Isabella Screpanti**, Sapienza University of Rome, Medical School, Italy, **Chris Siebel**, Genentech, Inc., USA, **Gerry Weinmaster**, David Geffen School of Medicine at UCLA, 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 15 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 2

17:00 - 20:30      **Registration** – Electra Palace Hotel, 18-20 Nikodimou Street, Plaka

20:30                **Reception** – Electra Palace Hotel

## MONDAY, October 3

Meeting Venue:      **The New Benaki Museum**, 138 Pireos Street (Buses will depart from Syntagma (Constitution) Square at 8:15 every morning)

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

09:10 - 11:00        **I. Mechanistic Aspects/Signal Integration**  
Chair: **Sarah Bray**

Stephen **Blacklow** (Dana Farber Cancer Institute and Brigham and Women's Hospital, Harvard Medical School, USA)  
**“Structure and Dynamics of Notch Nuclear Complexes”**

Rhett **Kovall** (University of Cincinnati College of Medicine, USA)  
**“Characterization of CSL-corepressor complexes”**

Doug **Barrick** (The John Hopkins University, USA)  
**“Molecular recognition of the Notch Ankyrin domain by Deltex”**

François **Schweisguth** (Institut Pasteur, France)  
**“A live imaging analysis of the regulation of Notch by Numb”**

Sarah **Bray** (Cambridge University, UK)  
**“Outcomes of Notch signaling”**

Keith **Brennan\*** (University of Manchester, UK)  
**“Crosstalk between Wnt and Notch signalling pathways in vertebrates”**

Dieter **Maier \*** (University of Hohenheim, Genetics Institute (240) Germany)  
**“The Notch repressor complex in Drosophila melanogaster”**

	Jelena <b>Vermezovic*</b> (IFOM Foundation, Italy) <b>“A novel evolutionary-conserved role of Notch in the control of DNA damage response”</b>
11:00 - 11:30	<b>Coffee Break</b>
11:30 – 12:30	<b>Mechanistic Aspects/Signal Integration</b> <i>continued</i> Chair: <b>Sarah Bray</b>
	Ajay <b>Chitnis</b> (National Institute of Health,, USA) <b>“How is center-biased Atoh1a expression established in neuromasts of the zebrafish lateral line system”</b>
	Spyros <b>Artavanis-Tsakonas</b> (Harvard Medical School, USA) <b>“Proteome analysis of the Notch signalling circuitry”</b>
	Manfred <b>Gessler*</b> (Wuerzburg University, Germany) <b>“Transcriptional regulation by Hey and Hes bHLH factors”</b>
	Sili <b>Liu*</b> (The Hospital For Sick Children, Canada) <b>“Investigating the role of the NHR2 domain of Neuralized in Notch Signaling”</b>
12:30 - 13:30	<b>POSTER SESSION</b>
13:30 - 15:00	<b>Lunch Break</b>
15:00 - 17:00	<b>II. Receptor /Ligands</b> Chair: <b>Gerry Weinmaster</b>
	Bob <b>Fleming</b> (Trinity College, USA) <b>“Identification and characterization of the Notch cis-inhibiting region in Drosophila Serrate”</b>
	Hamed <b>Jafar-Nejad</b> (University of Texas Health Science Center at Houston, USA) <b>“Regulation of Notch Signaling by Glucose and Xylose”</b>
	Kenji <b>Matsuno</b> (Tokyo University of Science, Japan) <b>“Functions of a neurogenic gene, <i>pecanex</i> in Notch signaling”</b>
	Alain <b>Israël</b> (Institut Pasteur, France) <b>“Trafficking of Notch and its Ligands”</b>
	Gerry <b>Weinmaster</b> (UCLA School of Medicine, USA) <b>“Ligand Endocytosis Requires Dynamin, Epsins and Actin to Generate Mechanical Force to Pull on Notch”</b>
	Achim <b>Gossler</b> (Medizinische Hochschule Hannover, Germany) <b>“(Non)equivalence of mouse DSL proteins”</b>
	Motoyuki <b>Itoh</b> (Nagoya University, Japan) <b>“Post-translational regulation of Notch signaling and their functions in development”</b>
17:00 - 17:30	<b>Coffee Break</b>

17:30 - 19:00

## **Receptor /Ligands *continued***

Chair: **Gerry Weinmaster**

Marco **Milán** (IRB Barcelona, Spain)

**“Notch mediated repression of bantam miRNA contributes to boundary formation in the Drosophila wing”**

Robert **Haltiwanger\*** (Stony Brook University, USA)

**“O-Glycosylation sites in the ligand binding domain and Abruptex region affect Notch1 activity”**

Andreas **Fischer\*** (Heidelberg University and DKFZ, Germany)

**“MPDZ promotes DLL1 endocytosis and Notch signaling. Critical roles for angiogenesis and barrier functions”**

Chrystelle **Montagne\*** (University of Geneva Sciences II, Switzerland)

**“Directional Delta and Notch trafficking during asymmetric intestinal stem cell division”**

David **Sprinzak\*** (Tel-Aviv University, Israel)

**“Mutual inactivation of Notch Receptors and ligands facilitates developmental patterning”**

Thomas **Vaccari\*** (IFOM, Italy)

**“Vacuolar ATPase, a regulated and conserved component of the Notch pathway”**

Yumiko **Saga** (National Institute of Genetics, Japan)

**“The regulation of Notch activity via clathrin - and caveolin-dependent endocytotic pathways”**

## **TUESDAY, October 4**

09:00 - 11:00

### **III. Stem Cells**

Chair: **Yumiko Saga**

David **Ish Horowicz** (London Research Institute, CR-UK)

**"Maternal genes required for Drosophila germline development"**

Julian **Lewis** (London Research Institute-Cancer Research UK)

**“Notch signalling dynamics and the control of developmental timing”**

Silvia **Fre** (Institut Curie, France)

**"Notch lineages in the mouse intestine"**

Thierry **Pedrazzini\*** (University of Lausanne Medical School, Switzerland)

**“The Notch Pathway Coordinately Regulates Cardiac Hypertrophy, Fibrosis and Precursor Recruitment in the Adult Heart”**

Celine **Souilhol\*** (Institute of Stem Cell Research, Edinburgh, UK)

**“Role of Notch1 in Hematopoietic Stem Cell development”**

11:00 - 11:30

**Coffee Break**

11:30 – 12:00

## **Stem Cells *continued***

Chair: **Yumiko Saga**

Thomas **Rando** (Stanford University School of Medicine, USA)

**“Foxo3 regulation of Notch signaling in stem cell quiescence”**

Benjamin **Ohlstein** (Columbia University Medical Center, USA)

**“Characterization of Notch Signaling in the Drosophila Intestine During Development”**

12:00 - 13:00

## **POSTER SESSION**

13:00 - 14:30

## **Lunch Break**

14:30 - 16:30

## **IV. Cell Fates**

Chair: **Barbara Osborne**

Sean **Egan** (The Hospital for Sick Children, Toronto, Canada)

**“Lunatic Fringe Deficiency Cooperates with the Met/Caveolin Gene Amplicon to Induce Basal-Like Breast Cancer”**

Shinya **Yamamoto\***(Baylor College of Medicine, USA)

**“An Evolutionally Conserved Valine Residue in EGF repeat 8 of Notch is involved in Ligand Specificity”**

Raphael **Kopan** (Washington University, School of Medicine, USA)

**“How vertebrate Notch receptors evolved to fulfill different functions”**

Ryoichiro **Kageyama** (Institute for Virus Research, Kyoto University, Japan)

**“The oscillator networks in the somite segmentation clock”**

Hugo **Bellen** (Baylor College of Medicine, HHMI, TMC, USA)

**“Novel proteins that affect Notch signaling in Drosophila”**

Masanori **Aikawa\*** (Brigham and Women's Hosp., Harvard Medical School, USA)

**“Dll4 promotes macrophage activation, atherosclerosis and metabolic disorders”**

Lluís **Espinosa\*** (IMIM-Hospital del Mar, Spain)

**“Intestinal stemness of normal and cancer cells depends on a common Notch and beta-catenin gene signature”**

Alex **Hajnal\*** (University of Zurich, Switzerland)

**“LIN-12 NOTCH signaling induces an actinomyosin-mediated pushing force during epidermal morphogenesis in C. elegans”**

Charles **Eberhart\*** (Johns Hopkins, USA)

**“Notch signaling promotes growth, invasion and Twist1 expression in uveal melanoma”**

## WEDNESDAY, October 5

09:00 - 11:00

### **Cell Fates** *continued*

Chair: **Barbara Osborne**

Jan **Kitajewski** (Columbia University, USA)

**“Notch functions in angiogenesis by diverse mechanisms”**

Ron **Wang** (University of California San Francisco, USA)

**“Notch in Angiogenesis: Arterial Venous Programming in Health & Disease”**

Anne C. **Hart\*** (Brown University, USA)

**“Notch signaling regulates stress response in *C. elegans*”**

Bassem **Hassan\*** (VIB, Belgium and Janelia Farm, HHMI, USA)

**“Mutual inhibition among neighboring neurons regulates individuality and robustness of developing neural circuits”**

Takeshi **Sasamura\*** (Tokyo University of Science, Japan)

**“The lipid metabolism enzymes SPT and ACC act as Wnt and Notch tumor suppressors in *Drosophila*”**

Kenji **Tanigaki\*** (Shiga Medical Center, Japan)

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

Taisuke **Tomita\*** (University of Tokyo, Japan)

**“Notch-Notch ligand interactions modulate the levels of synaptic vesicle proteins in neurons”**

Maria L. **Toribio\*** (Centro de Biología Molecular Severo Ochoa. CSIC-UA, Spain)

**“Stage- and ligand-specific regulation of dendritic cell development by Notch signaling in the human thymus”**

Hans **Clevers** (Hubrecht Institute, The Netherlands)

**“Intestinal stem cells lacking the *Math1* tumour suppressor are refractory to Notch inhibitors”**

Jose Luis **de la Pompa\*** (Centro Nacional de Investigaciones Cardiovasculares, Spain)

**“Defective NOTCH signaling causes abnormal Cardiac Valve Maturation and Left Ventricular Non-Compaction (LVNC) Cardiomyopathy”**

11:00 - 11:30

**Coffee Break**

11:30 - 12:30

### **V. Immunology**

Chair: **Katia Georgopoulos**

Dimitris **Skokos** (Regeneron Inc., USA)

**“Dll4-Notch Signaling in Alternative Cell Lineage Development and Autoimmunity”**

Ivan **Mailard** (University of Michigan, USA)

**“Therapeutic targeting of Notch signaling in T cell alloimmunity”**

Katia **Georgopoulos** (MGH, Harvard University, USA)

**“Harnessing of the Nucleosome Remodeling Deacetylase complex controls lymphocyte development and prevents leukemogenesis”**

Barbara **Osborne** (University of Massachusetts-Amherst, USA)  
“**Canonical and non-canonical Notch1 signaling in T lymphocytes**”

12:30 – 13:30

## **POSTER SESSION**

13:30 - 15:00

### **Lunch Break**

15:00 - 15:40

### **Immunology *continued***

Chair: **Katia Georgopoulos**

Franz **Oswald** (Universitätsklinik Ulm, Germany)

“**Dynamic H3K4 histone methylation at Notch target genes depends on the MLL (mixed-lineage leukemia)-complex**”

Iannis **Aifantis** (NYU School of Medicine, USA)

“**Notch and PRC2 interplay regulates epigenetic landscapes in leukemia**”

Philippe **Kastner\*** (IGBMC, France)

“**Ikaros interferes with RBPJ to control the repertoire of Notch target genes in T cells**”

15:40 – 17:00

## **VI. Haematopoiesis Blood Tumours**

Chair: **Anna Bigas**

Anna **Bigas** (IMIM-Hospital del Mar, Spain)

“**Understanding Notch functions during the generation of Hematopoietic Stem Cells**”

Irwin **Bernstein** (Fred Hutchinson Cancer Research, Seattle, USA)

“**Notch signaling directs hematopoietic differentiation by paralog specific, hierarchical activation of target genes**”

Warren **Pear** (University of Pennsylvania, USA)

“**Important functions for the Notch1 transcriptional activation domain (TAD) in cardiac and hematopoietic development**”

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

“**Oncogenic and transcriptional programs in NOTCH1 induced leukemias**”

Jon **Aster** (Brigham and Woman’s Hospital-Harvard Medical School, USA)

“**Conserved and Divergent Features of Notch1/RBPJ Binding to Human and Murine T Lymphoblastic Leukemia Cell Genomes**”

17:00 – 17:30

### **Coffee Break**

17:30 – 18:45

David **Traver**, (University of California, San Diego, USA)

“**Wnt16 specifies hematopoietic stem cells through environmental regulation of Notch signaling**”

Nadia **Carlesso\*** (Indiana University School of Medicine, USA)

“**Loss of CSL-dependent Notch signaling in the hematopoietic microenvironment leads to a lethal myeloproliferative disorder**”

Isabella **Screpanti** (University “La Sapienza”, Italy)

“**A non-univocal role of acetylation in the regulation of Notch signaling**”

Ronan O'Hagan\* (AVEO Pharmaceuticals, Inc, USA)

**“Monoclonal antibodies to Notch receptors may enable targeting of tumor autonomous and tumor micro-environmental processes”**

Ahmad Yatim\* (INSERM U955 and CNRS-UPR1142, France)

**“NOTCH1's partners in the control of human T-cell acute lymphoblastic leukemia”**

Chris Siebel (Genentech, Inc., USA)

**“Precise Therapeutic Targeting of the Notch Pathway by Engineering Antibody Drugs Against Individual Ligands and Receptors”**

20:30

**Dinner**

## **THURSDAY, October 6**

09:00 - 11:00

### **VII. Solid Tumors**

Chair: **Isabella Screpanti**

Robert Callahan (National Cancer Institute, USA)

**“The effect of Notch signaling on mammary gland development and tumorigenesis”**

Gian Paolo Dotto (University of Lausanne, Switzerland)

**“Loss of mesenchymal Notch/CSL signaling leads to field cancerization and pithelial tumor development”**

Ahmed Raafat (National Cancer Institute, USA)

**“Notch4/Int3; NFKB/p50 and mammary tumorigenesis”**

Lucio Miele (University of Mississippi Cancer Institute, Jackson, USA)

**“Combination of  $\gamma$ -secretase Inhibitor MK-0752 and Endocrine Therapy for Early Stage ER $\alpha$ + Breast Cancer in a Presurgical Window Pilot Study”**

Julien Sage (Stanford University, USA)

**“Notch signaling inhibits hepatocellular carcinoma initiated from mouse liver progenitors following inactivation of the RB pathway”**

Jens Siveke (Klinikum rechts der Isar der Technischen Universität München, Germany)

**“Multifaceted role of the Notch pathway in pancreatic cancer development”**

Giannino Del Sal\* (National Laboratory CIB - AREA Science Park, Italy)

**“Pin1 enhances Notch1 and Notch4 oncogenic gain of function in breast cancer by interfering with Fbxw7 function”**

Xing Fan\* (University of Michigan, USA)

**“Notch regulates Glioblastoma propagation and invasion through H miR-338-3p”**

11:00 - 11:30

**Coffee Break**

11:30 – 12:30

**POSTER SESSION**



12:30 – 13:55

**Solid Tumors** *continued*

Chair: **Isabella Screpanti**

Barry **Chestnut** (National Institute of Health National Cancer Institute, USA)

**“The Notch intracellular-domain is targeted by GSK3  $\beta$  for proteasomal degradation, in response to Imatinib mesylate (Gleevec) in HC11-Int3 mouse mammary epithelial cells”**

Tony **Capobianco** (University of Miami School of Medicine, USA)

**“NACK is an essential cofactor for Notch induced tumorigenesis”**

Freddy **Radtke** (École Polytechnique Fédéral de Lausanne, EPFL/ISREC Switzerland)

**“Notch Deficiency in the Skin: from Inflammation to Cancer”**

Makoto Mark **Taketo\*** (Kyoto University, School of Medicine, Japan)

**“Colon cancer metastasis suppressor Aes inhibits Notch signaling”**

13:55

**Closing Remarks**

14:00

**Lunch**

15:30

**Guided Tour of the Acropolis Museum**

The next Notch Meeting focusing on

**Notch Trafficking**

will be held in Athens, Greece

**30 September – 3 October 2012**

**Organizing Committee:** **Spyros Artavanis-Tsakonas**, Harvard Medical School, USA, **Martin Baron**, Faculty of Life Sciences, University of Manchester, UK, **Hugo Bellen**, Baylor College of Medicine, HHMI, TMC, USA, **Mark Fortini**, Kimmel Cancer Center, Thomas Jefferson University Medical College, USA, **Kenji Matsuno**, Tokyo University of Science, Japan, **Thomas Vaccari**, IFOM, Italy, **Gerry Weinmaster**, David Geffen School of Medicine at UCLA, USA.

**[www.TheNotchMeeting.org](http://www.TheNotchMeeting.org)**

# POSTER SESSION

- 1- Daniel Antfolk** (*Åbo Akademi and Turku Centre for Biotechnology, Finland*)  
**“Atypical PKC phosphorylates Notch ICD and regulates Notch intracellular trafficking”**  
Authors: Saima Ferraris, Daniel Antfolk\*, Marika Sjoqvist\*, Cecilia Granqvist, Anders Mutvei, Susumu Imanishi, Urban Lendahl, John E. Eriksson & Cecilia Sahlgren
- 2- Christian Antila** (*Turku Centre for Biotechnology, Finland*)  
**“Stress induced sumoylation regulates the activity of the Notch signaling pathway”**  
Authors: Christian Antila, Henri Blomster, Lea Sistonen, Cecilia Sahlgren
- 3- Hans Bakker** (*Hannover Medical School, Germany*)  
**“Xylosyltransferases of the Notch O-glycosylation pathway”**  
Authors: Maya K. Sethi, Falk F. Buettner, Rita Gerardy-Schahn, Hans Bakker
- 4- A. Bonfini** (*University of Manchester, UK*)  
**“Regulation of Notch signalling in the Drosophila Ovary GSC niche”**  
Authors: A. Bonfini, H. Shimizu, S. Woodcock, Y. Hung, M. Wilkin, M. Baron
- 5 - A.F. Campese** (*Sapienza, University of Rome, Italy*)  
**Deletion of NF-kappaB/p50 influences the outcome of NOTCH3-dependent T cell leukemia**  
Authors: A.F. Campese, P. Grazioli, C. Mari, G. Scafetta, C. Noce, S. Verkhovskaia, S. Checquolo, A. Gulino and I. Screpanti
- 6 - S. Checquolo** (*University Sapienza of Rome, Italy*)  
**“The Prolyl-Isomerase PIN1 represent a regulator of Notch3 activity”**  
Authors: S. Checquolo, R. Palermo, G. Franciosa, M. Pelullo, D. Bellavia, Alberto Gulino, Isabella Screpanti
- 7 - Indira V. Chivukula** (*Karolinska Institutet, Sweden*)  
**“Characterization of a Jagged1 Mutant Mouse as a Novel Model of Alagille Syndrome”**  
Authors: Emma R. Andersson, Indira V. Chivukula, Urban Lendahl
- 8 - Kelly Collins** (*University of Cincinnati, USA*)  
**“Structure Function Studies of the CSL-KyoT2 Complex: molecular insights into the Notch transcriptional switch, CSL”**  
Authors: Kelly Collins and Rhett Kovall
- 9 - M. Colombo** (*Università degli studi di Milano, Italy*)  
**“Notch affects ovarian cancer cell migration and proliferation”**  
Authors: N. Platonova, E. Vigolo, M. Colombo, L. Apicella, M. Chiriva-Internati, P. Comi and R. Chiamonte.
- 10 - Swati Dabral** (*Max-Planck Institute for heart and lung research, Germany*)  
**“Role of Notch Signaling in Pulmonary Hypertension”**  
Authors: Swati Dabral, Soni Savai Pullamsetti, Michaela Lang, Hossein Ardeschir Ghofrani, Norbert Weissmann, Friedrich Grimminger, Werner Seeger, Ralph Theo Schermuly
- 11 - Kim J. Dale** (*Dundee University, UK*)  
**“Notch regulates contribution of chick stem-like cells from the node to the floor plate and notochord”**  
Authors: Kim J. Dale, Shona Gray, Helen Sang

- 12 - Teresa D'Altri** (*IMIM, Spain*)  
**“Characterizing the mechanisms downstream of Notch in T-ALL”**  
 Authors: Teresa D'Altri, LLuis Espinosa, Anna Bigas
- 13 - Anushka Dongre** (*University of Massachusetts-Amherst, USA*)  
**“Identifying the function of Notch in T cell activation”**  
 Authors: Anushka Dongre, Rebecca Lawlor and Barbara A. Osborne
- 14 - Ferres-Marco, D** (*Intituto de Neurociencias CSIC-UMH, Spain*)  
**“Unsuspected liaisons of Notch in tumorigenesis”**  
 Authors: Ferres-Marco, D., Da Ros, VG., Dominguez, M.
- 15 - Andrés Garelli** (*CSIC, Spain*)  
**“Micromanaging Notch”**  
 Authors: Andrés Garelli, Diana Vallejo, Elke Bayha, María Dominguez
- 16 - Garroni, M.K** (*The Hospital For Sick Children, Canada*)  
**“The Role of Phosphorylation on Neuralized Activity”**  
 Authors: Garroni, M.K., Boulianne, G.L.
- 17 - Gupta-Rossi N** (*Pasteur Institute, France*)  
**“The Adaptor-Associated kinase 1, AAK1, is a positive regulator of the Notch pathway”**  
 Authors: Gupta-Rossi N., Ortica S., Meas-Yedid V., Heuss S., Moretti J., Olivo-Marin J-C. & Israël A.
- 18 - Henshall, T** (*Karolinska Institutet, Sweden*)  
**“Notch3 and VSMC in development and disease”**  
 Authors: Armulik, A., Jin, S., Henshall, T., Mae, M., Betsholtz, C and Lendahl, U.
- 19 - Hidalgo-Sastre A** (*The University of Manchester, UK*)  
**“Crosstalk between Notch and Wnt signalling pathways in vertebrates”**  
 Authors: Hidalgo-Sastre A., and Brennan K.
- 20 - Katsuto Hozumi** (*Tokai University School of Medicine, Japan*)  
**“Redundant Notch ligand functions of Delta-like 1 and Jagged1 in pancreas development”**
- 21 - Akira Ishio** (*Tokyo University of Science, Japan*)  
**“Monosaccharide O-fucose modification of Notch receptor is required for Notch signaling in Drosophila”**  
 Authors: Akira Ishio, Tomonori Ayukawa, Naoki Aoyama, Kenjiroo Matsumoto, Hiroyuki O. Ishikawa, Minoru Nakayama, Tetsuya Okajima, Takeshi Sasamura, and Kenji Matsuno
- 22 - Christopher R. Jenkins** (*BC Cancer Research Centre, Canada*)  
**“Collaboration between RUNX and NOTCH in T-cell Acute Lymphoblastic Leukemia”**  
 Authors: Christopher R. Jenkins, Olena O. Shevchuk, Sonya Lam, Andrew P. Weng
- 23 - Katarzyna Jesien** (*Clinical Research Institute of Montreal, Canada*)  
**“The Role of Notch1 in Mammary Tumor Progression and Metastasis”**  
 Authors: Katarzyna Jesien, Xiujie Li, Paul Jolicœur
- 24 - Yun-Jin Jiang** (*National Health Research Institutes, Taiwan*)  
**“A New Allele of mind bomb gene with a Unique Cell Death Phenotype”**  
 Authors: Chia-Hao Hsu, Ji-Sheng Lin, William Da Fai Tse, Yun-Jin Jiang

- 25 - Thaned Kangsamaksin** (*Columbia University, USA*)  
**“Notch Signaling in Tumor Angiogenesis”**  
Authors: Thaned Kangsamaksin, Jan Kitajewski
- 26 - Marika Kapsimali** (*INSERM, France*)  
**“Fgf signaling controls pharyngeal taste bud formation through miR-200 and Delta-Notch activity”**  
Authors: Marika Kapsimali, Anna-Lila Kaushik, Guillaume Gibon, Sylvain Ernest, Frederic M. Rosa
- 27 - Hyun-A Kim** (*Seoul National University, Seoul, South Korea*)  
**“Notch signaling suppresses the progression of colorectal cancer through the chromatin modification of Tcf4/b-catenin binding sites”**  
Authors: Hyun-A Kim, Bon-Kyoung Koo, Ji-Hoon Cho, Hee Jin Chang, Yoon-Young Kim, Jin-Woo Seong, Young-Min Oh, Daniel E. Stange, Hyoung-Soo Lim, Jae-Gahb Park, Daehee Hwang and Young-Yun Kong
- 28 - Koch U** (*EPFL ISREC, Switzerland*)  
**“Hes1 – a crucial downstream mediator of canonical Notch signaling in physiological and pathological conditions of lymphocyte development”**  
Authors: Koch U, Wendorff A, Wirth S, Wunderlich FT, Dubey C, Brüning JC, MacDonald HR, Radtke F.
- 29 - Karina Kristoffersen** (*Copenhagen National University Hospital, Denmark*)  
**“Active Notch signaling is pivotal for maintaining the features of brain cancer stem-like cells”**  
Authors: Karina Kristoffersen, Marie-Thérèse Stockhausen and Hans Skovgaard Poulsen
- 30 - Daniel Lafkas** (*University of Athens - Medical School, Greece*)  
**“Determination of Notch3 cell lineages of the mouse mammary gland”**  
Authors: Daniel Lafkas, Sanja Sale, Silvia Fre, Hippokratris Kiaris, Spyros Artavanis-Tsakonas
- 31 - Sebastian Landor** (*Karolinska Institutet, Sweden*)  
**“Hypo- and hyperactivated Notch signaling induce a glycolytic switch in breast tumor cells through distinct mechanisms”**  
Authors: Sebastian Landor, Veronika Mamaeva, Anders P. Mutvei, Shaobo Jin, Morten Busk, Ronald Borra, Tove Grönroos, Pauliina Kronqvist, Urban Lendahl, and Cecilia Sahlgren
- 32 - J. Li** (*Cambridge University, UK*)  
**“Decoding the Notch response in Drosophila blood cells”**  
Authors: A. Terriente-Felix, **J. Li**, S. Collins, A. Mulligan, F. Bernard and S. Bray
- 33 - Antonio Maraver** (*CNIO, Spain*)  
**“ $\gamma$ -secretase inhibition in a mouse model of lung cancer”**  
Authors: Antonio Maraver, Manuel Serrano
- 34 - Satoshi Maruyama** (*The University of Tokushima, Japan*)  
**“Notch signaling deficiency in dendritic cells spontaneously induces autoimmune diseases”**  
Authors: Satoshi Maruyama, Yoichi Maekawa, Naozumi Ishimaru, Yoshio Hayashi, Koji Yasutomo
- 35 - Jérôme Mastio** (*IGBMC, FRANCE*)  
**“Oncogenic activation of the Notch1 gene by deletion of its promoter in Ikaros-deficient T-ALL”**  
Authors: Robin Jeannet, Jérôme Mastio, Alejandra Macias-Garcia, Attila Oravecz, Todd Ashworth, Anne-Solen Geimer Le Lay, Bernard Jost, Stéphanie Le Gras, Jacques Ghysdael, Thomas Gridley, Tasuku Honjo, Freddy Radtke, Jon C. Aster, Susan Chan, Philippe Kastner
- 36 - Kenjiroo Matsumoto** (*Tokyo University of Science, Japan*)  
**“Mater effect removed screen to find out new neurogenic genes in Drosophila”**  
Authors: Kenjiroo Matsumoto, Naoki Aoyama, Takahiro Seto, Takuma Gushiken, Takeshi Sasamura, and Kenji Matsuno

- 37 - Laurence Meloty-Kapella** (*David Geffen School of Medicine at UCLA, USA*)  
**“Ligand Ubiquitylation Induced by Notch Recruits Epsins into a Force Generating Endocytic Complex”**  
 Authors: Laurence Meloty-Kapella, Bhupinder Shergill, Jane Kuon, Elliot Botvinick and Gerry Weinmaster
- 38 - Melanie Metrich** (*University of Lausanne Medical School, Switzerland*)  
**“Investigation of Jagged1-mediated signaling pathways”**  
 Authors: Melanie Metrich, Mohamed Nemir, April Bezdek-Pomey, Corinne Berthonneche, Alexandre Sarre and Thierry Pedrazzini
- 39 - Lisa M. Minter**  
**“Aberrant Notch signaling promotes disease progression during immune-mediated bone marrow failure”**  
 Authors: Justine Roderick, Gabriela Gonzalez-Perez, Anushka Dongre, Emily Roberts, Christina Arieta, Chester Andrzejewski, Jr., Abdul H. Fauq, Todd E. Golde, Lucio Miele, Barbara A. Osborne, and Lisa M. Minter
- 40 - Mirandola L** (*University of Milan, Italy*)  
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 Authors: Mirandola L, Apicella L, Colombo M, Berta D, Comi P, Chiriva-Internati M, and Chiaramonte R
- 41 - Fiona Murphy** (*ISCR, CRM, University of Edinburgh, UK*)  
**“The role of Jagged1 in HSC development”**  
 Authors: Fiona Murphy, Céline Souilhol, Alexander Medvinsky
- 42 - Yulia Nefedova** (*H. Lee Moffitt Cancer Center and Research Institute, USA*)  
**“Gamma-secretase inhibitor enhances cytotoxic effect of bortezomib in multiple myeloma cells”**  
 Authors: Feng Chen, Ming Li, Yulia Nefedova
- 43 - Rocco Palermo** (*Sapienza University, Rome, Italy*)  
**“Acetylation controls Notch3 stability and function”**  
 Authors: **Rocco Palermo**, Saula Checquolo, Vivek Kumar, Dieter Laurer, Gianluca Canettieri, Maria Eugenia Schininà, Alberto Gulino, Alessandra Vacca and Isabella Screpanti.
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 Authors: Piskulak K., Henneke I., Bellusci S., Seeger W., Günther A, Ruppert C.
- 45 - Loredana Puca** (*Institut Pasteur, France*)  
**“Role of Beta arrestins in Notch pathway in mammals”**  
 Authors: Loredana Puca, Patricia Chastagner, Alain Israël and Christel Brou
- 46 - Rossella Rota** (*Ospedale Pediatrico Bambino Gesù, Italy*)  
**“Notch3 signaling inhibition induces p21Cip1 expression and decreases SKP2 expression and ERK1/2 phosphorylation inhibiting cell growth of human rhabdomyosarcoma cells”**  
 Authors: Roberta Ciarapica, Lavinia Raimondi, Federica Verginelli, Marie Gueguen, Thao P. Dang, Stefano Stifani, Nadia Carlesso, Lucio Miele, Isabelle Limon, Franco Locatelli, Rossella Rota
- 47 - Rustighi A 1** (*Laboratory CIB and Dept. of Life Sciences at the University of Trieste, Trieste, Italy*)  
**“Pin1 enhances Notch1 and Notch4 oncogenic gain of function in breast cancer by interfering with Fbxw7 function”**  
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**48 - Daniela Salat** (*University of Wuerzburg, Biocenter, Germany*)

**“Characterization of novel Hey interacting proteins”**

Authors: Daniela Salat, Eva Englberger, Traudel Schmitt, Henning Urlaub, Manfred Gessler

**49 - AR Sandy** (*University of Michigan, USA*)

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Authors: AR Sandy, J Chung, I Tran, GT Shan, A Friedman, P King, Y Zhang, I Maillard

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**“Mind bomb-1 regulates Notch activation for peripheral T cell immunity”**

Authors: Jin-Woo Seong, Hyun-Woo Jeong, Ji-Hoon Kim, and Young-Yun Kong,

**51 - Ankur Sharma** (*Indian Institute of Science, India*)

**“A cryptic ligand binding site in Human Notch1 Receptor”**

Authors: Ankur Sharma, Annapoorni Rangarajan, Rajan R Dighe

**52 - Devon Sheppard** (*University of Oxford, UK*)

**“Characterising the Binding Interface of Serrate and Notch”**

Authors: Devon Sheppard, Shaoyan Liang, Penny Handford, Susan Lea

**53 - Komudi Singh** (*Brown University, USA*)

**“Notch signaling regulates the sleep-like quiescent behavior in *C. elegans*”**

Authors: Komudi Singh, Altar Sorkac, Heather L. Bennett, Michael A. Dilorio, Jennifer Y. Ju, Anne C. Hart

**54 - Cristian Soza-Ried** (*Cancer Research UK, United Kingdom*)

**“The Notch ligands DeltaC and DeltaD interact to maintain synchronisation of the zebrafish segmentation clock”**

Authors: Cristian Soza-Ried, Gavin J. Wright, François Giudicelli, Anja Hanisch, Linda Ariza-McNaughton, Julian Lewis

**55 - Terriente-Felix A** (*University of Cambridge, United Kingdom*)

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Authors: Terriente-Felix A., Li L., Collins S., Mulligan A., Bernard F., and Bray S.

**56 - María L.Toribio** (*Centro de Biología MOlecular Severo Ochoa.CSIC-UAM, Spain*)

**“Spatio-temporal characterization of Notch ligand expression in the human thymus”**

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**57 - Tim van Groningen** (*AMC department of Oncogenomics, Netherlands*)

**“JAGGED1 mediated Trans-activation and cis-inhibition generates divergent signalling states to control tumour cell migration”**

Authors: Tim van Groningen, Marloes Broekmans, Nurdan Akogul, Rogier Versteeg, Johan van Nes

**58 - Paula van Tijn** (*Netherlands Institute for Neuroscience, The Netherlands*)

**“Neural stem cells and Notch signaling in zebrafish models for mutant *presenilin*”**

Authors: Paula van Tijn, Carina van Rooijen, Judith T. Paridaen, Dana Zivkovic and Elly M. Hol

**59 - Sreedevi Vasudevan** (*National Centre for Biological Sciences*)

**“TGFbeta interacts with Notch signaling to maintain CD66+ cancer stem-like subset in cervical cancer”**

Authors: Sreedevi. M.V, Jeevisha Bajaj , G.V.Giri, M.Radhakrishna Pillai, Sudhir Krishna, Tessy Maliekal

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**“Large-scale production and purification of human Delta1-extracellular domain-Fc fusion”**  
Authors: Wong, S., Kershaw, N.J., Adams, T., Burgess, A.W.

**61 - Evanthia Zacharioudaki** (*IMBB, FORTH-HELLAS, Greece*)  
**“The role of Dpn, Espl and Notch in Drosophila neuroblast maintenance and proliferation”**  
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