

Institute for Protein Research(IPR) International Seminar and

Research meeting of National Institute of Genetics

Fine tuning of Notch signaling activity : its importance and mechanisms

Date: **October 5th and 6th, 2016**

Venue: National Institute of Genetics (静岡県三島市谷田 1111)

October 5

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| 13:00-13:10 | Opening remarks | Yumiko Saga (National Institute of Genetics) |
| 13:10-13:40 | TM2D3, a mammalian homologue of <i>Drosophila</i> neurogenic gene product Almondex, activates Notch1 | Wataru Masuda (Saitama Medical Univ.) |
| 13:40-14:10 | Oscillatory control of Delta-like1 in cell interactions regulates dynamic gene expression and tissue morphogenesis | Hiromi Shimojo (Kyoto Univ.) |
| 14:10-14:40 | Single-cell quantification of mouse segmentation clock | Kumiko Kobayashi (Kyoto Univ.) |
| 14:40-15:00 | – Coffee break – | |
| 15:00-16:00 | < Keynote > Regulation of Notch signaling by glycosylation | Robert S. Haltiwanger (Univ. of Georgia) |
| 16:00-16:30 | O-GlcNAc regulates Dll4-Notch signaling and vascular development in mammals | Mitsutaka Ogawa (Nagoya Univ.) |
| 16:30-16:50 | – Coffee break – | |
| 16:50-17:20 | Identification of domains for efficient Notch signaling activity in immobilized Notch ligand proteins | Liu Ledi (Chiba Univ.) |
| 17:20-17:50 | The role of Dll4 in the thymus and Peyer's patch | Katsuto Hozumi (Tokai Univ.) |
| 18:00 | – Poster Session Banquet – | |

October 6

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| 9:00- 9:30 | The Somitic Notch Signaling Regulates Hematopoietic Stem Cell Specification | Isao Kobayashi (Kanazawa Univ.) |
| 9:30-10:00 | The function of Notch signaling in intestinal stem cells | Nobuo Sasaki (Keio Univ.) |
| 10:00-10:30 | Regulation of Striatal Dopamine Responsiveness by Notch/RBP-J | Kenji Tanigaki (Shiga Medical Center Research Institute) |
| 10:30-10:50 | – Coffee break – | |
| 10:50-11:20 | Novel role of Notch signaling via cross-talk with Toll signaling in dorsal-ventral axis formation in <i>Drosophila</i> | Satoshi Kuwana (Osaka Univ.) |
| 11:20-11:50 | Epithelial Notch signaling integrates postnatal morphogenesis of the alveoli via epithelial-mesenchymal interactions. | Mitsuru Morimoto and Po-Nien Tsao (RIKEN) |
| 11:50-12:00 | – Closing Remarks – | Junichi Takagi / Kenji Matsuno (Osaka Univ.) |

オーガナイザー：相賀 裕美子（遺伝研）、松野 健治（阪大・理学研究科）、高木 淳一（阪大・蛋白研）

参加要領：参加費無料、事前登録不要、懇親会参加歓迎

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