

Agenda

Venue : *Monto Ho* Auditorium, Uni-President Health Research Building, National Cheng Kung University

| September 26 (Monday) | |
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| 08:30-09:00 | Symposium registration |
| 08:50-09:00 | Opening Remarks: 蔡少正 Shaw-Jenq Tsai (科技部生命科學司) |
| I. Small non-coding RNA Moderator: 張典顯 Tien-Hsien Chang (中央研究院 基因體研究中心) | |
| 09:00-10:00 | Haruhiko Siomi (Department of Molecular Biology, Graduate School of Medicine, Keio University, Japan) Transposon silencing by the Piwi-piRNA pathway |
| 10:00-10:30 | Break |
| 10:30-11:00 | 呂昱瑋 Yu-Wei Leu (國立中正大學 生命科學系) Loss of PIWIL4 and piRNAs lowers the credibility of cancer biomarkers |
| 11:00-11:30 | 洪良宜 Liang-Yi Hung (國立成功大學 生物科技與產業科學系) Clinical role of epigenetic silencing of <i>miR-137</i> in early colorectal carcinogenesis |
| 11:30-12:00 | 洪瑞鴻 Jui-hung Hung (國立交通大學 生物科技系所) Revisiting mammalian Argonaute-miRNA sorting with in silica analysis |
| 12:00-12:20 | Discussion |
| 12:20-13:30 | Lunch |
| II. RNA in diseases Moderator: 曾大千 Joseph Tseng (國立成功大學 生物科技與產業科學系) | |
| 13:30-14:30 | Laising Yen (Department of Pathology & Immunology/Department of Molecular and Cellular Biology, Baylor College of Medicine) Building designer RNA nanostructures in human cells |
| 14:30-15:00 | Break |
| 15:00-15:30 | Norihiro Okada (Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, Midori-ku, Yokohama, Kanagawa, Japan) Fighting fish (<i>Betta splendens</i>) provides an excellent platform for investigating the neurogenomic state of aggression |
| 15:30-16:00 | 許書豪 Shu-hao Hsu (國立台灣大學 解剖學暨細胞生物學研究所) MiRNA-122 in Liver Cancer: Biological Functions and Therapeutic Application |
| 16:00-16:30 | 陳琮明 Tsung-Ming Chen (國立高雄海洋科技大學 水產養殖系暨研究所) Hypoxia-induced FGF9 overexpression in colon cancer tumorigenesis is through hnRNPM-mediated cap-independent translation |
| 16:30-16:50 | Discussion |

| September 27 (Tuesday) | |
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| 08:30-09:00 | Symposium registration |
| III. RNA Regulon | |
| Moderator: 譚婉玉 Woan-Yuh Tarn (中央研究院 生物醫學科學研究所) | |
| 09:00-10:00 | Tetsuro Hirose (Institute for Genetic Medicine Hokkaido University, Sapporo, Hokkaido, Japan) Functional characterization of architectural RNA species toward noncoding RNA taxonomy |
| 10:00-10:30 | Break |
| 10:30-11:00 | Akila Mayeda (Institute for Comprehensive Medical Science, Fujita Health University, Japan) Considerable implications in unexpectedly prevalent multi-step splicing |
| 11:00-11:30 | 譚賢明 Bertrand Tan (長庚大學 生物醫學系) A-to-I RNA editing as a fitness factor in cell survival and differentiation |
| 11:30-12:00 | 莊樹諱 Trees-Juen Chuang (中央研究院 基因體研究中心) Investigation of <i>trans</i>-splicing and <i>cis</i>-backsplicing (circular RNA) in the human transcriptome |
| 12:00-12:20 | Discussion |
| 12:20-13:30 | Lunch |
| IV. Translational regulation | |
| Moderator: 孫孝芳 H.Sunny Sun (國立成功大學 分子醫學研究所) | |
| 13:30-14:30 | Thomas Preiss (Department of Genome Sciences, John Curtin School of Medical Research, Australian National University) RNA-binding proteomes and translation cycle dynamics |
| 14:30-15:00 | Break |
| 15:00-15:30 | 曾大千 Joseph Tseng (國立成功大學 生物科技與產業科學系) Application of Ribosome Profiling technology in identifying the actionable biomarker for clinical diagnosis |
| 15:30-16:00 | 賴銘志 Ming-Chih Lai (長庚大學 生物醫學系) Hypoxia induces autophagy through translational up-regulation of lysosomal proteins in human colon cancer cells |
| 16:00-16:30 | 黃怡萱 Yi-Shuian Huang (中央研究院 生物醫學科學研究所) CPEB2-controlled translation and oxidative stress |
| 16:30-16:50 | Discussion |