

ICTS Workshop

Hong Kong – Korea Exchange of Multidisciplinary Scientific Research

21–22 June 2019 / Hong Kong Baptist University

Program

21 June 2019 (Friday, Venue: FSC1014)

- 12:55 – 13:00 Opening Remarks: Michel A. Van Hove (ICTS Director/HKBU)
- Session I Chair: Pan-Jun Kim (HKBU)
- 13:00 – 13:50 Hawoong Jeong (KAIST)
Almighty Google Knows Almost Everything! - Big-Data and Network Science
- 13:50 – 14:40 Lei-Han Tang (HKBU)
Emergence of Collective Oscillations in Adaptive Cells
- 14:40 – 15:00 Photo-taking and break
- Session II Chair: Lei-Han Tang (HKBU)
- 15:00 – 15:50 Cheol-Min Ghim (UNIST)
Fine-Tuning of Transcriptional Regulation by Monoallelic Gene Expression
- 15:50 – 16:40 Liang Tian (HKBU)
Organizational Principle and Stability of Human Microbial Communities
- 16:40 – 16:50 Break
- Session III Chair: Cheol-Min Ghim (UNIST)
- 16:50 – 17:40 Jue Shi (HKBU)
Cytotoxic Dynamics of Natural Killer Cell at the Single Cell Level
- 17:40 – 18:30 Allen K. L. Cheung (HKBU)
Characterising the Function of a Novel PD1 Isoform Delta42PD1
- 18:30 – 20:30 Dinner

22 June 2019 (Saturday, Venue: FSC1014)

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| Session IV | Chair: Hawoong Jeong (KAIST) |
| 09:10 – 10:00 | Kang-Hun Ahn and Nelli Boichenko (CNU) Toward Understanding Gene Expression Level Using Artificial Intelligence |
| 10:00 – 10:50 | Liang Lan (HKBU) How to Explain the Decision Made by Machine Learning Models |
| 10:50 – 11:00 | Break |
| Session V | Chair: Kang-Hun Ahn (CNU) |
| 11:00 – 11:50 | William K. Cheung (HKBU) Computational Phenotyping from EHR Data and Medical Ontologies for Predictive Analytics |
| 11:50 – 12:40 | Pan-Jun Kim (HKBU) Microbiome, Food, and Nutrients |
| 12:40 – 14:00 | Lunch |

Organizing Committee

Pan-Jun Kim, Leihan Tang, Roktaek Lim (HKBU)
Cheol-Min Ghim (UNIST)

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