



2nd ASHBi Workshop for

Mathematical Human Biology

November 18th, 2022 *Hybrid Meeting*
Kyoto University | Shirankaikan or Zoom Online Meeting



The time schedule shown below is **JST /Japan Standard Time**

Friday, 18 November 2022

Opening Remarks

9:30-9:40 **Mitinori Saitou** (ASHBi Director, Kyoto University)

Plenary Session

9:40-10:30 **Human Immunology**

Hideki Ueno (Kyoto University)

10:30-10:40 Q & A

10:40-10:50 Break

Session A Immunology and Data

10:50-11:30 **Quantitative biology for T cell biology: From Development to Repertoire**

Tetsuya J. Kobayashi (The University of Tokyo)

11:30-11:40 Q & A

11:40-12:20 **A new reconstruction of Waddington's landscape via optimal transport theory**

Toshiaki Yachimura (Kyoto University)

12:20-12:30 Q & A

12:30-14:00 Lunch Break

Session B Immunology and Model

14:00-14:40 **Mathematical modeling of immune evasion in colon cancer**

Hiroshi Haeno (Tokyo University of Science)

14:40-14:50 Q & A

14:50-15:30 **Multidisciplinary approach to reveal autoimmune skin diseases by eruption shapes**

S. Seirin-Lee (Kyoto University)

15:30-15:40 Q & A

15:40-16:00 Break

Session C Ethics and Mathematical Science

16:00-16:40 **Ethics in Mathematics**

Tsutomu Sawai (Hiroshima University)

16:40-17:00 Q & A / discussion

Networking **[On-Site ONLY]**

18:00-20:30 Networking and discussion

20:30 Closing