Preliminary program for the mini-symposium "Non-equilibrium dynamics and information processing in biology"

Tuesday 6th February:

19:00 Dinner (Seaside House)

Wednesday 7th February:

9:00 - 9:15 Welcome

9:15 - 10:15 K. Kaneko: "Universality in Phenotypic Adaptation and Evolution: Fluctuation-response, Genetic Assimilation, and Dimension Reduction"

10:15 - 10:45 Coffee Break

10:45 - 11:15 T. Ahamed: "Capturing the Continuous Complexity of Animal Behavior"

11:15 - 12:15 N. Mitarai: "Phage vs. Bacteria: Art of war among the unseen majority"

12:15 - 14:30: Lunch + free time

14:30 - 15:30 T. Tlusty: "Green functions of correlated genes and the mechanical evolution of protein"

15:30 - 16:00 A. Shen: "Stability of stagnation point flows of Newtonian and complex fluids"

16:30 - 18:30 Free discussion (Seaside House)

19:00 Banquet (Seaside House)

Thursday 8th February

9:00 - 10:00 T. Sagawa: "Thermodynamics of autonomous Maxwell's demons"

10:00 - 10:30 D. Chiuchiù : "Mapping of uncertainty relations between continuous and discrete time"

10:30 - 11:00 Coffee break

11:00 - 12:00 S. Vaikuntanathan : "Self assembly and robustness driven by non-equilibrium forces"

12:00 - 13:30 Lunch

13:30 - 14:00 S. Still : TBA

14:00 - 15:00 L. Tang : "Dynamic quorum sensing in cell populations"

15:20 - 18:10 Excursion (Nakijin Castle Ruins)

19:00 Dinner (Sakae, Ishikawa)

Friday 9th February

9:00 - 10:00 L. Peliti: “Selection dynamics in transient compartmentalization”

10:00 - 10:30 M. Bandi: “Geometry and Mechanics of Feet and Fins”

10:30 - 11:00 Coffee break

11:00 - 12:00 M. Sano : “When active matter could become intelligent?”

12:00 - 12:30 Final discussion

12:30 - 14:00 Lunch + free time

14:00 - 15:00 OIST tour

15:00 - 17:00 Free discussion

19:00 Dinner