

## Meeting Agenda

Venue for Talks: Mr. & Mrs. Lee Siu Lun Lecture Theater (Lecture Theater K)

Venue for Posters: Outside Lecture Theater K

**Tuesday, 8th December, 2009**

### **Session 1 : The Foundations of Evolution**

<b>Time</b>	<b>Speaker</b>	<b>Subject</b>
09:15-10:00	Sun Kwok	Synthesis of Organic Matter By Stars And Its Effect On The Origin Of Life On Earth
10:00-10:45	Masatoshi Murase	What Is Evolution? Towards A New Synthesis
10:45-11:00	Tea Break	
11:00-12:00	Nigel Goldenfeld	Collective And Nonlinear Phenomena In Evolution
12:00-13:00	Michael Deem	Spontaneous Emergence Of Modularity In An Evolving System
13:00-14:00	Lunch	Poster Viewing

### **Session 2A : Moving Beyond Classic Darwinian Evolution**

14:00-15:00	Herbert Levine	Darwinian Evolution As Front Propagation In Fitness Space
15:00-16:00	Susan Rosenberg	Mutation As A Stress Response And The Regulation Of Evolvability
16:00-16:30	Tea Break	Poster Viewing
16:30-17:30	Lynn Caporale	A Genomic Synthesis For Evolutionary Theory: Mutation Is Not Random

**Wednesday, 9th December, 2009**

**Session 2B : Moving Beyond Classic Darwinian Evolution**

<b>Time</b>	<b>Speaker</b>	<b>Subject</b>
09:00-10:00	Carl Woese	Understanding Evolution Without Darwin (Web link)
10:00-11:00	Laura Landweber	RNA-mediated Epigenetic Inheritance In Oxytricha (Web link)
11:00-11:15	Tea Break	Poster Viewing

**Session 3 : The Role of Evolution in Biology: Mostly Bacteria**

<b>Time</b>	<b>Speaker</b>	<b>Subject</b>
11:15-12:15	Terence Hwa	Rapid Evolution Of Drug Resistance Mediated By Global Feedback
12:15-13:00	Cees Dekker	Biophysics And Adaptation Of Bacteria In Nanofabricated Landscapes
13:00-14:00	Lunch	Poster Viewing
14:00-15:00	Guillaume Lambert	E.Coli As A Model System For Cancer
15:00-16:00	J. D. Huang	Can Bacteria Be Programmed To Cure Cancer?
16:00-16:15	Tea Break	Poster Viewing

**Session 4 A: The Role of Evolution in Biological Disease: Cancer**

16:15-17:00	Carlo Maley	Evolution In Cancer
17:00-17:45	Thea Tlsty	Cancer And Evolution
17:45-18:30	Larry Nagahara	Physical Sciences In Oncology Initiative

**Thursday, 10th December, 2009**

**Session 4 B: The Role of Evolution in Biological Disease: Cell Dynamics**

<b>Time</b>	<b>Speaker</b>	<b>Subject</b>
09:00-9:45	Pascal Silberzan	Leader Cells In Collective Migration
9:45-10:15	Liyu Liu	Mechanical Stress On Cancer Cells And Passage With Hydrodynamic Forces
10:15-10:30	Tea Break	Poster Viewing
10:30-11:15	Robert Getzenberg	The Physical Aspects Of Stress In The Evolution of Cancer
11:15-12:00	Josh Weinstein	The Dynamics Of The Immune Repertoire Of An Organism
12:00-13:00	Nancy Sung	Catalyzing Interdisciplinary Science: Who Will Fund th High-Risk Projects in Life Sciences?
13:00-18:00	Box Lunch	Bus tour of Hong Kong Island
18:15-19:00		Star Ferry to TST; walk to New World Centre
19:00-22:00	Banquet	East Ocean Seafood Restaurant, 3 <sup>rd</sup> Floor, New World Centre, TST. Tel: 2367-1133