



BRANDEIS – NCBS COLLABORATIVE MEETING

June 12-13, 2012  
NCBS, NLC Auditorium

**Tuesday, June 12**

Time	Title	Speaker
9:00-9:05	Welcome Note	
9:05-9:35	Title: To be announced	Madan Rao
9:35-10:05	Counting genomes: the lysis-lysogeny decision in temperate bacteriophage	Sandeep Krishna
10:05-10:35	Role of Intrinsic Noise on Pattern Formation in Reaction-Diffusion Systems	Bulbul Chakraborty
10:35-11:05	From molecular motors to synthetic cilia and beyond	Zvonimir Dogic
11:05-11:30	<b>Tea at Hortus Malabaricus Garden</b>	
11:30-12:00	Soft matter under shear--instabilities and fluctuations	Ajay Sood
12:00-12:30	Mechanisms of Viral Capsid Assembly	Michael Hagan
12:30-1:00	Chaos in the Rheology of Complex Fluids	Chandan Dasgupta
1:00-2:00	<b>Lunch at First Floor Canteen</b>	
2:00-2:30	Jamming and void space in particle packings: From glasses to globular proteins	Srikant Sastry
2:30-3:00	Pattern Formation and Coupled Oscillators in Structured Media	Irving R. Epstein
3:00-3:30	Tumour suppressor mechanisms controlling genome integrity	Ashok Venkitaraman
3:30-4:00	<b>Tea at Hortus Malabaricus Garden</b>	
4:00-4:30	A new paradigm for understanding the mosaicism of components in living cell membranes	Satyajit Mayor
4:30-5:00	The evolution of compartmentalized cells	Mukund Thattai
5:00-5:30	Regulation of larval growth by a novel lipid kinase	Raghu Padinjat

7:00	<b>Dinner in town</b>	
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### Wednesday, June 13

Time	Title	Speaker
9:00-9:30	Insights into <i>Drosophila</i> Circadian Rhythms from RNA Sequencing and Neuronal Firing	Michael Rosbash
9:30-10:00	Dopaminergic neurons of the <i>Drosophila</i> flight central pattern generator require intracellular calcium signaling	Gaiti Hasan
10:00-10:30	Integration of environmental and internal signals determines sleep/wake state	Leslie Griffith
10:30-11:00	Stem-cell lineages specified by the transcription factors Ems and Otd play key roles in generation of neuronal diversity in the antennal lobe of <i>Drosophila</i> .	K VijayRaghavan
11:00-11:30	<b>Tea at Hortus Malabaricus Garden</b>	
11:30-12:00	Population dynamics underlying taste perception	Donald Katz
12:00-12:30	Slow changes with fast neurons: stochastic transitions in models of taste-processing and decision making	Paul Miller
12:30-1:00	Switches, triggers, and learning rules	Upinder Bhalla
1:00-2:00	<b>Lunch at First Floor Canteen</b>	
2:00-2:30	Activity-dependent signaling pathways that regulate neuronal connectivity	Suzanne Paradis
2:30-3:00	Neuromodulation of descending motor control in a developing vertebrate	Vatsala Thirumalai
3:00-3:30	Summary	K VijayRaghavan
3:30-4:00	MoU signing	
4:00-5:00	Breakout sessions, lab visits	
5:00-6:00	Clockwork Genes: Discoveries in Biological Time	Michael Rosbash
6:00-6:30	<b>High Tea at Hortus Malabaricus Garden</b>	
7:00pm	<b>Mixer and Dinner at First Floor Canteen</b>	

### Delegates Visiting

Paul Miller	Assistant Professor, Brandeis University
Bulbul Chakraborty	Professor, Physics, Brandeis University
Zvonimir Dogic	Associate Professor, Physics, Brandeis University
Irving R. Epstein	Professor, Chemistry, Brandeis University
Leslie Griffith	Professor, Biology, Brandeis University
Michael Hagan	Assistant Professor, Physics, Brandeis University

Donald Katz	Associate Professor, Psychology, Brandeis University
Suzanne Paradis	Assistant Professor, Biology, Brandeis University
Michael Rosbash	Professor, Biology, Brandeis University
Ashok Venkitaraman	Professor, Director, Hutchison/MRC Research Centre, Cambridge University; Institute for Stem Cell Biology and Regenerative Medicine (inStem)
Srikanth Sastry	Professor, Physics, TIFR Centre for Interdisciplinary Sciences
Chandan Dasgupta	Professor, Physics, Indian Institute of Science
Ajay Sood	Professor, Physics, Indian Institute of Science

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