

The Physics of Information Transfer in Biological Systems

Thursday, March 25	SESSION	SPEAKER	TITLE	INSTUTION		
	A	Shahid Khan	OPENING REMARKS	MBC-Lawrence Berkeley National Lab (MBC@LBNL). USA	8:00	8:30
		Ghanim Ullah (C)	Nanomaterial Physics	University of South Florida, USA	8:40	9:00
		Talat Rahman	Polypeptide nanostructures at surfaces	University of Central Florida, USA	9:00	9:40
		Qasim Mehmood	Engineered flat nanodevices for optical bio-imaging	IT University, Lahore Pakistan	9:40	10:20
		Zahir Iqbal	Nanodevices for biosensing and bone engineering	GIK Institute, Topi, Pakistan	10:20	11:00
			BREAK			
	B	Ata Ulhaq	Quantum dot design and application to mechanobiology	SBASSE, LUMS, Pakistan	11:20	12:00
				Q&A	12:00	12:30
		Sriram Ramaswamy (C)	Active Matter Self-organization	Indian Institute of Science, India	13:00	13:50
		Ammar Ahmed Khan	Liquid crystal self-assembly	SBASSE, LUMS, Pakistan	13:50	14:30
			BREAK			
		Sabieh Anwar	Avian navigation explained by quantum mechanics	SBASSE, LUMS, Pakistan	14:40	15:20
		Junhua Yuan	Collective motions enhance bacterial swarm chemotaxis	University of Science and Technology, China	15:20	16:00
			END DAY-1	Q&A	16:00	16:30
	C	Padmini Rangamani (C)	Physical Design of Neuronal Signal Circuits	University of California (UCSD). USA	8:00	8:50
		Suhita Nadkarni	Energy-Information prescription for synapses	Indian Institute of Science Education & Research, Pune, India	8:50	9:30
		Khaled Machaca	Calcium tunneling: a tightly coupled calcium signaling modality	Weil Cornell Medicine. Qatar	9:30	10:20
			BREAK			
		Ghanim Ullah	Investigating the calcium hypothesis of Alzheimer's disease	University of South Florida. USA	10:30	11:10
Friday, March 26				Q&A	11:10	11:40
	D	w Linda Kenney / Shahid Khan	Biophysics - from Quantum Biology to Mechanobiology	U.T. Galveston. USA / MBC@LBNL. USA	12:00	13:00
	E	Gautam Menon	Active matter and large-scale nuclear architecture (KEYNOTE)	Institute of Mathematical Sciences. India	14:00	15:00
	F	w Ghanimu Ulah/Ata-ul-Haq (C's)	Biophysics Education & Research in Pakistan and the Region (Round Table)	University of Central Florida. USA, SBASSE, LUMS, Pakistan	15:00	16:30
		Organizers	CLOSING REMARKS		16:30	17:00
			END DAY-2			

* All timings are in Pakistan Standard Time (+5:00 GMT)