2022 Big Quantum Bio Meetings

Every Thursday via Zoom

https://ucla.zoom.us/j/6177105261

7 am PST | 10 am EST | 11 am Brazil | 3 pm UK time | 4 pm South Africa | 12 am Japan

	Speaker	Title
January		
13	Sharon Hammes-Schiffer *Yale University, US*	Proton-Coupled Electron Transfer in Enzymes and Photoreceptor Proteins
20	Henrick Mouritsen *University of Oldenburg, Germany*	The quantum robin: a cryptochrome-based magnetic compass in migratory birds?
27	Hasim Al-Hashimi *Duke University, US*	What are the roles of proton transfer and tunneling in DNA replication errors?
February		
3	Allison Dennis *Boston University, US*	Designing Semiconductor Quantum Dots for Biosensing and Bioimaging Applications
10	Christian Kerskens *Trinity College Dublin, Ireland*	Could the brain be a topological quantum computer?
17	Keith Kasunic *University of North Carolina at Charlotte, US*	No divergence, no curl, no problem! Phase shifts (and forces?) from the vector potential in the Aharonov-Bohm effect
24	Allen M. Orville *Diamond Light Source, UK*	Tilting at windmills? -or- Quest for the holy grail! High valent iron-oxo intermediates revealed during metalloenzyme catalysis
March		
3	Marco Sacchi *University of Surrey, UK*	Quantum and classical effects in DNA point mutations
10	Sara H. Sohail *National Institutes of Health, US*	Fluence-dependent transient absorption spectroscopy reveals long-range hopping between PSI red chlorophyll pools in intact cyanobacterial thylakoids
17	Peter beim Graben *Brandenburg University of Technology, Germany*	Quantum cognition and bounded rationality
24	Hyeongjun Kim *University of Texas Rio Grande Valley, US*	How quantum dots, fluorescence, and force can be used in single-molecule biophysics research?
31	Jonathan R. Woodward *University of Tokyo, Japan*	Through a glass brightly: radical pairs under the microscope

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A joint effort:

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