























The QuBiT Lab at UCLA and  
the Quantum Biology Doctoral Training Centre at the University of Surrey present



## Big Quantum Biology Meetings

Calendar invite: Thursdays 7am PST/10am EST/11am BRT/3pm UK/4pm SAST, CEST/11pm JST, Zoom 617 710 5261

Mailing list: [groups.google.com/g/bigquantumbiologymeetings](https://groups.google.com/g/bigquantumbiologymeetings)

- March 2 Thomas Ebbesen, University of Strasbourg  **Manipulating matter by strong coupling to the vacuum field**
- March 9 Carolyn Ott, Janelia Research Campus  **Primary cilia: unique sensors in the brain**
- March 16 & 23 **Online Pre-GRC School and GRC Quantum Biology!!!**
- March 30 Lev G. Murokh, City University of New York  **Mitochondria: role in the evolution, physical principles of operations, and inspirations for future research**
- April 13 Benoit Darquie, Sorbonne-Paris North University  **High-resolution mid-infrared molecular spectroscopy for precision measurements and tests of fundamental physics**
- April 20 Youshinobou Baba, Nagoya University  **Quantum life science: nanoscale quantum biosensors, quantum hyperpolarized MRI, and quantum biology/biotechnology**
- April 27 Thomas Middelmann, Physikalisch-Technische Bundesanstalt  **Quantum sensors for neurology: non-invasive measurement of brain currents and muscle functions**
- May 4 Vikram Mulligan, Flatiron Institute  **Enhancing macromolecular design approaches with quantum computing and quantum chemistry**
- May 11 Ron Walsworth, University of Maryland  **Quantum diamond NMR at the scale of single cells**
- May 18 Vlatko Vedral, University of Oxford  **Schrodinger's bacteria: implications for physics and biology**
- May 25 Dimitri Labat, Chipiron  **Make MRI accessible to all with an ultrasensitive SQUID detection system**
- June 1 Lewis Antill, Saitama University  **Investigation of magnetic field-sensitive flavin photochemistry with high-sensitivity microspectroscopy**
- June 8 Peter Maurer, University of Chicago  **Interfacing coherent qubits with biological targets**
- June 15 Seigei Vinogradov, University of Pennsylvania  **Magnetic control of emissivity in multichromophoric molecular systems**
- June 22 Sabre Kais, Purdue University  **TBA**
- June 29 Franco Nori, Riken University  **Giant atoms: a new frontier in quantum optics**
- July 6 Kelly Tseng, University of Nevada  **Weak magnetic fields in vertebrate development and regeneration**
- July 13 One Pagan, Westchester University  **The nicotine/cotinine interaction in planarians: simple antagonism, regulatory site, or (perhaps) a quantum effect?**
- July 20 Murphy Niu, University of Maryland  **Curious effects of non-Markovian dynamics and how it can be important for quantum sensing in biological systems**
- July 27 Amy S. Gladfelter, University of North Carolina  **TBA**
- August 3 Alfredo Franco-Obregon, National University of Singapore  **TBA**
- August 10 Katherine Wright, American Physical Society  **Building an equitable physics community**