

2022-2023 Big Quantum Bio meetings

Sept. 2022

- 1 Iulia Brumboiu (Nicolaus Copernicus Uni., Poland): [Theoretical X-ray spectroscopy for organic materials characterization](#)
- 8 Nicholas Kotov (Uni. of Michigan, US): [The chiral nano particles and their complexes with proteins](#)
- 15 Can Xie (Hefei Institutes of Physical Science, China): [Searching for unity in the diversity of animal magnetoreception: From biology to quantum mechanics and back](#)
- 22 Kirstin Gutekunst (Uni. of Kassel, Germany): [Photosynthetic hydrogen production with cyanobacteria](#)
- 29 Giuseppe Luca Celardo (Uni. of Florence, Italy): [How size can help coherence: large scale simulations of biological complexes](#)

Oct.

- 6 Kasturi Saha (Indian Institute of Technology Bombay, India): [Applications of diamond microscope for biological magnetic field imaging](#)
- 13 Nirosha Murugan (Algonia Uni., Canada): [Exploring parallel patterns of quantum physics in cancer, regenerative medicine, and neuroscience](#)
- 20 Grish Agarwal (Texas A & M Uni., US): [Subshot noise limited Brillouin bio-imaging with quantum light](#)
- 27 Iannis Kominis (Uni. of Crete, Greece): [Quantum vision: probing human vision with quantum optical tools](#)

Nov.

- 3 Aparajita Singha (Max Planck Institute for Solid State Research, Germany): [Non-invasive sensing and coherent control of surface-supported spin systems](#)
- 10 Eva-Mari Aro (Uni. of Turku, Finland): [Photoprotection mechanisms of photosynthetic light reactions](#)
- 17 David Waldeck (Uni. of Pittsburgh, US): [Is there a connection between Chiral Induced Spin Selectivity and Homochirality in Biology](#)

Dec.

- 1 Zoya Leonenko (Uni. of Waterloo, Canada): [Molecular mechanisms of neurodegeneration, Li and quantum neuroscience](#)
- 8 Wonjin Choi (Lawrence Livermore National Laboratory, US): [Terahertz circular dichroism spectroscopy and chiral phonons in biomaterials](#)
- 15 Romana Schirhagl (Uni. of Groningen, Netherlands): [Quantum sensing in living cells](#)

Jan. 2023

- 5 Town Hall Meeting
- 12 Barbara Goldstein (National Institute of Standards and Technology, US): [Quantum standards: from the physical to the geopolitical, and NIST on a Chip: revolutionizing metrology through quantum standards](#)
- 19 Fabrisia Ambrosio (Harvard Uni., US): [Towards a quantum biological mechanism underlying muscle stem cell regenerative potential](#)
- 26 Lucia Caspani (Uni. of Strathclyde, UK): [Towards quantum-enhanced nonlinear imaging](#)

Feb.

- 2 Alizée Malnoë (Umea Uni., Sweden): [Molecular mechanisms of photoprotection in plants](#)
- 9 Hartmut Neven (Google, US): [How to use quantum resources to give artificial intelligence novel abilities](#)
- 16 Susannah Bourne-Worster (Uni. of Bristol, UK): [Hosting chromophores: how antenna proteins promote light-harvesting](#)
- 23 Keisuke Goda (Uni. of Tokyo, Japan): [Controlling strong vibrational coupling toward quantum bioengineering](#)