

November 4th - 8th, 2019 · Berlin - Germany

nanoGe
Fall
Meeting

Exciup 19_Excitonic up-downconversion

Symposium organizers:



Bruno Ehrler
FOM Institute AMOLF



Akshay Rao
University of
Cambridge

Topics:

- Fundamentals of singlet fission
- Multi-exciton interactions in nanocrystals and other low-dimensional materials
- Spin-dependent exciton dynamics in nanomaterials
- Theoretical treatments of excitonic conversion and energy transfer
- Multi-photon schemes for solar fuel generation
- Understanding and controlling triplet transport and annihilation for upconversion
- Novel organic and inorganic materials for up-conversion and singlet fission
- Device implementations for photovoltaics, solar fuels, and photon detection.

Invited speakers:

Artem Bakulin Imperial College London, GB

Luis Campos Department of Chemistry, Columbia University, US

Jenny Clark

Richard Friend University of Cambridge, GB

Ferdinand Grozema Delft University of Technology, NL

Timothy Schmidt Department of Chemistry, UNSW, AU

Mark Wilson University of Toronto, CA

Xiaoyang Zhu Columbia University, US

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