

1st Be-Light School and Mid-term meeting, 01.-04.10.2024

Georg-August-University, Göttingen, Germany

01.10. Lecture Hall 5, Physics Department

8:30 - 9:00 Registration

9:00 – 9:10 Welcome remarks

9:10 – 9:50 Ireneusz Grulkowski (NCU), Bio-optics and light-tissue interaction

9:50 – 10:30 Maciej Wojtkowski (NCU), Basics of biomedical optical imaging

10:30 – 11:00 Coffee break

11:00 – 11:40 Jörg Enderlein (UGOE), Basics of super-resolution fluorescence microscopy

11:40 – 12:20 Laura González (IMO), Understanding the EU MDR (European Union Medical Device Regulation)

12:20 – 14:00 Lunch (MPS)

14:00 – 15:00 Birgit Schmidt, Part I: Research Data Management. UGOE Library

15:00 – 16:00 Timo Henne, Part II: Research Data Management. UGOE Library

16:00 – 16:30 Coffee break

16:30 – 18:00 Panel discussion: outreach and public engagement activities

18:30 - Dinner (Athen)

02.10. Lecture Hall 5, Physics Department

9:00 – 9:40 Jacek Ruminski (PG), Shallow and deep neural networks in image processing

9:40 – 10:20 Matthew Chalk (SU), Introduction to probabilistic and Bayesian methods for machine learning

10:20 -10:50 Coffee break

10:50 – 11:30 Ulrich Parlitz (MPI), Processing temporal data using reservoir computing

11:30 – 12:10 Silvio Rizzoli (UMG), Imaging synaptic function: assays and limitations

12:10 – 13:10 Lunch (MPS)

13:10 – 13:40 Supervisory board meeting

13:40 – 14:20 Ali Shaib (UMG), ONE microscopy: using conventional microscopes for nanometer resolution

14:20 – 15:00 Donatus Krah (UMG), High-resolution imaging in Parkinson's Disease

15:00 – 16:30 Coffee break and poster session

16:30 – 17:10 Cristina Masoller (UPC), New indicators for early detection of critical transitions

17:10 – 17:50 Oleksii Nevskyi (UGOE), Super-resolved fluorescence lifetime imaging

18:30 - Dinner (Mazzoni)

03.10. For students: Two workshops, together with SFB 1286 (SR16, F.02.125, Physics Department)

9:00 – 10:30 Effective Communication for Successful Projects, Part 1

10:30 - 11:00 Coffee break

11:00 – 12:30 Effective Communication for Successful Projects, Part 2

12:30 – 13:30 Lunch

13:30 – 15:00 Responsible Research and Open Science, Part 1

15:00 – 15:30 Coffee break

15:30 – 17:00 Responsible Research and Open Science, Part 2

03.10. For Pls

10:15 – Excursion, Forum Wissen, <https://www.forum-wissen.de>

Meeting point: at 9:15 next to the Best Western Hotel reception

04.10. Lecture Hall 5, Physics Department

9:15 – 10:40 Mid-term meeting

10:40 – 11:00 Coffee break

11:00 – 13:00 Mid-term meeting

13:00 – 14:30 Lunch + restricted session with the fellows

14:30 – 15:00 Mid-term meeting

16:00 – 18:00 Excursion (Scientific history of Göttingen: ingenious discoveries, technical revolutions, and Nobel Prizes OR Around the Gänselesel - highlights of Göttingen's old town)

18:00 - Dinner (Kartoffelhaus)

AGENDA OF THE PROJECT MID-TERM CHECK, 04.10.2024

9:15 – 9:30 Introduction: Short introduction by the REA Project Officer and the Project Coordinator on the purpose of the meeting.

9:30 – 9:50 Tour de table: All scientists-in-charge should briefly present their research team and describe their role within the network. Introduction of the Partner Organisations (if any).

9:50 – 10:00 REA Project officer presentation: Q&A on the presentation.

10:00 - 10:40 Coordinator's report: Presentation of the Network and the progress covering the following aspects: **Management:** Recruitment report; Deliverables; Milestones; Ethical issues, if applicable; Management meetings (activities of the Supervisory board, etc.); Financial aspects (if necessary); Critical implementation risks and mitigation actions; Any proposed re-orientations of the networks' activities. Document management and Open Research Data, if applicable.

10:40 – 11:00 Coffee break

11:00 – 13:00 Fellows' individual presentation: Every fellow funded by the project will present herself/himself, his background and present his/her individual research project (foreseen research, training, secondments, etc.) (5min max. each). Scientific results are not expected in the presentations at this stage of the project.

13:00 – 14:30 Lunch + restricted session with the fellows

14:30 – 14:45 Restricted session: Meeting between coordinator and Project Officer to discuss any issue.

14:45 – 15:00 Feedback and open discussion: Feedback from the REA Project Officer on the output of the network so far, on possible training areas for future exploitation or the impact on fellows' future careers development.