XFEL Science:
From current Highlights to future Experiments

Annual meeting of the GDRi XFEL-Science
11 – 12 Decembre 2017, Campus Jussieu, Paris

Monday, 11 December 2017
9:30 – 10:00 Registration, Coffee

Workshop Introduction
10:00 – 10:10 Welcome and Introduction
Jan Luning (XFEL-Science coordiantor / LCPMR, Paris)

Session I  European XFEL
10:10 – 10:55 European XFEL: First Experiments and Next Steps towards Full Operation
Michael Meyer (European XFEL, Hamburg)

Session II  Instrumentation Projects
10:55 – 11:10 XFEL Science and the point of view of the INP@CNRS
Emmanuelle Lacaze (INP@CNRS, Paris)
11:10 – 12:00 Presentation of Instrumentation Projects in France
Workshop participants
12:00 – 13:00 Discussion

13:00 – 14:30 Poster Session & Buffet Lunch

Session III  Biology
14:30 – 14:55 Time-resolved serial crystallography at XFELs to watch proteins at work
Martin Weik (IBS, Grenoble)
14:55 – 15:20 Towards photoinduced experimental intrinsic dynamics within proteins and DNA strands
Jean-Christophe Poully (CIMAP, Caen)
15:20 – 15:45 Probing dynamics with X-ray scattering and absorption
Marco Cammarata (University of Rennes I, Rennes)
15:45 – 16:05 Coffee Break

Session IV  Structural Dynamics
16:05 – 16:30 Understanding the emergence of functions in photoactive molecular materials
by decoupling electronic and structural dynamics
Eric Collet (University of Rennes I, Rennes)
16:30 – 16:55 Dynamical fluctuations at Sn adatoms on the prototypical Ge(111)R3xR3 surface:
CELLA and FLASH experiments
Guy Le Lay (PIIM, Marseille)
16:55 – 17:20 contributed talk
TBD (TBD,TBD)
Session IV  GDRi XFEL-Science
17:20 – 18:30 Annual plenary meeting of the GDRi XFEL-Science

19:30 Dinner

Tuesday, 12 December 2017

Session V
9:00 – 9:45 Frontier Research at FERMI and Upcoming Developments
Filippo Bencivenga (FERMI@ELETTRA, Triest)

9:45 – 10:10 Probing Ultrafast Magnetization Dynamics with fs-short X-ray Pulses
Boris Vodungbo (LCPMR, Paris)

10:10 – 10:30 contributed talk
TBD (TBD,TBD)

10:30 – 11:00 Coffee break

Session VI  Atomic and Molecular dynamics
11:00 – 11:45 FLASH: Current Highlights and Upcoming Developments
TBD (DESY, Hamburg)

11:45 – 12:10 Highlights from recent femtosecond pump-probe gas-phase experiments at LCLS, FLASH and FERMI
Marc Simon (University Pierre et Marie Curie, Paris)

12:10 – 12:30 Photochemical reaction dynamics of Ru3(CO)12 studied by picosecond and femtosecond X-ray solution scattering at ESRF and LCLS
Qingyu Kong (Synchrotron SOLEIL, Gif-sur-Yvette)

12:30 – 14:00 Poster Session and Buffet Lunch

Session VII
14:00 – 14:25 contributed talk
TBD (TBD,TBD)

14:25 – 14:50 contributed talk
TBD (TBD,TBD)

14:50 – 15:30 Concluding Discussion and Workshop Closure