

The European Cluster Of Advanced Laser Light Sources – International Workshop

## Biology at Advanced Laser Light Sources

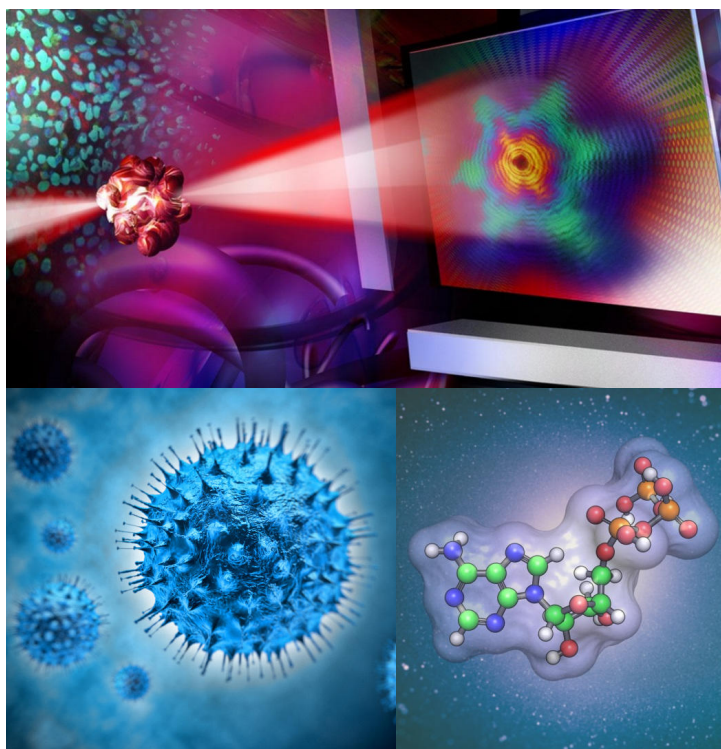
The European Cluster of Advanced Laser Light Sources (EUCALL) invites you to participate in the open EUCALL Workshop "**Biology at Advanced Laser Light Sources**". The workshop addresses, in particular, present and future scientific users of these advanced light sources in the area of Biology.

The workshop will highlight **specific strengths of synchrotron, FEL and optical laser light sources in biological applications** and inform about the **large richness of scientific applications** that is provided by this suite of installations to the scientific community.

Examples of experiments and applications will make users aware of the **most frequent and feasible type of studies**. Furthermore, the workshop intends to **initiate an exchange amongst scientists** using experimental techniques for biology applications.

Topics include x-ray, electron and proton-based techniques used at **optical laser, synchrotron and FEL facilities** for:

- biological imaging
- serial crystallography and Bio-SAXS/WAXS (including time-resolved studies)
- spectroscopy
- radio-biological experiments
- sample delivery
- industrial usage
- data-handling challenges



30 November – 1 December 2017 / European XFEL, Schenefeld, Germany

### Workshop website:

[https://indico.desy.de/event/eucall\\_biology](https://indico.desy.de/event/eucall_biology)

**Registration open:** 5 September – 30 October 2017

- Registration is free for all participants
- Places are limited to approximately 100 (first-come, first-served)
- **Young Researcher Travel Bursaries** are available for this event

### Local Organizers:

- **Adrian Mancuso [Chair]** (European XFEL, Germany)
- **Graham Appleby** (European XFEL, Germany)
- **Thomas Tschentscher** (European XFEL, Germany)

### Scientific Program Committee:

- Dr. **Jakob Andreasson** (ELI-Beamlines, Czech Republic)
- Prof. **Janos Hajdu** (ELIBIO, ELI-Beamlines, Czech Republic)
- Dr. **Dave Clarke** (Central Laser Facility, UK)
- Dr. **Michael Wulff** (ESRF, France)
- Dr. **Franck Lepine** (ELI-ALPS, Hungary)

### Confirmed invited speakers:

- Dr. **Anton Barty** (CFEL, Germany)
- Prof. **Serena DeBeer** (Max Planck Institute, Germany)
- Prof. **Janos Hajdu** (ELIBIO, ELI-Beamlines, Czech Republic)
- Dr. **Katalin Hideghéty** (ELI-ALPS, Hungary)
- Prof. **Janos Kirz** (Advanced Light Source, USA)
- Dr. **Filipe Maia** (Uni. Uppsala, Sweden)
- Dr. **Alke Meents** (CFEL, Germany)
- Prof. **Richard Neutze** (Uni. Gothenburg, Sweden)
- Prof. **Kevin Prise** (Queen's University Belfast, UK)
- Dr. **Emma Springate** (Central Laser Facility, UK)
- Prof. **David Stuart** (Diamond Light Source, UK)
- Prof. **Bente Vestergaard** (Uni. Copenhagen, Denmark)
- Dr. **Jitka Waterman** (Diamond Light Source, UK)

EUCALL is a network between leading large-scale user facilities for free-electron laser, synchrotron and optical laser radiation and their users. Under EUCALL, they work together on their common methodologies and research opportunities, and develop tools to sustain this interaction in the future.

[www.eucall.eu](http://www.eucall.eu) / [contact@eucall.eu](mailto:contact@eucall.eu)



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