

Hosted by SLAC
12th International Conference
BIOLOGY and
SYNCHROTRON RADIATION

Once every 3 years –

- Novel and state-of-the-art applications of synchrotron and XFEL radiation
- Integrated approaches: X-ray, electron microscopy, NMR, computational and other methods

Invited Speakers and Topics:

Membrane Proteins

Zhi-Jie Liu
Brian Kobilka
Irmgard Sinning
Jian-Ren Shen
Liz Carpenter

iHuman Institute, China
Stanford University, USA
Heidelberg University, Germany
Okayama University, Japan
University of Oxford, UK

Macromolecular Complexes

Osamu Nureki
Richard Garratt
Yvonne Jones
Natalie Strynadka

University of Tokyo, Japan
University of São Paulo, Brasil
University of Oxford, UK
University of British Columbia, Canada

Hybrid Methods

Gabriel Waksman
Jill Trewhella
Mike Hough
Flora Meilleur
Martin Beck
Hélène Déméné

University College London/Birkbeck, UK
University of Sydney, Australia
University of Essex, UK
Oak Ridge National Laboratory, USA
EMBL Heidelberg, Germany
CNRS, France

Bioinformatics and Computing

Michael Levitt
Christine Orengo
Paul Adams
Dan Rigden
Wladek Minor

Stanford University, USA
University College London, UK
Lawrence Berkeley National Laboratory, USA
University of Liverpool, UK
University of Virginia, USA

Science with Upgraded Synchrotrons

Pieter Glatzel
Marjolein Thunnissen
Gayle Woloschak
Lin Yang

ESRF, France
MAX IV Laboratory, Sweden
Northwestern University, USA
Brookhaven National Laboratory, USA

Industrial or Pharmaceutical Applications

Benjamin Bax

GlaxoSmithKline, UK

X-ray/IR Imaging/Coherent Diffractive Imaging

Tanja Dučić
Liz Duke
Patrick La Riviere
Andreas Menzel
Carol Hirschmugl

CELLS-ALBA, Spain
Diamond Light Source, UK
University of Chicago, USA
Paul Scherrer Institute, Switzerland
University of Wisconsin, USA

Dynamics

Marius Schmidt
Lois Pollack
Rajmund Mokso
Doeke Hekstra
James Fraser

University of Wisconsin, USA
Cornell University, USA
MAX IV Laboratory, Sweden
UT Southwestern, USA
UC San Francisco, USA

7 years of XFEL in Structural Biology

Richard Neutze
Ilme Schlichting
Henry Chapman
Axel Brunger
So Iwata
Andy Aquila

University of Gothenburg, Sweden
Max Planck Institute for Medical Research, Germany
CFEL, DESY, Germany
Stanford University, USA
RIKEN SPring-8 Center/Kyoto University, Japan
SLAC National Accelerator Laboratory, USA



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