

30th Meeting of the European Crystallographic Association 28 August – 1 September 2016 Congress Center Basel, Switzerland

COME TO BASEL

**ABSTRACT SUBMISSION
DEADLINE:
April 6th 2016**

© eventfotografen.ch

50 MICROSYMPOSIA

in 5-6 parallel sessions of **Biology • Chemistry • Materials • Mineralogy • Physics**

Focus Area 1 (SIG 1)

- SAXS in structural biology
- Development of new types of sample preparation
- Data collection and processing software
- New developments in phasing and refinement
- Structural information in drug design
- Molecular machines and big complexes
- Protein & glycobiology structure determination
- Membranes and membrane interacting proteins
- Enzyme reactions and dynamics in crystals
- H-bonding & weak interactions in crystals
- Hybrid approaches and validation
- Biophysical characterization and crystallization
- Hot structures in biology

Focus Area 2 (SIG 5, 11, 12)

- Biomineralogical crystallography & bioinspired inorganic materials
- Minerals and materials
- Structure-property relationships in high pressure crystallography
- Crystal chemistry of C-bearing materials & minerals at extreme conditions
- Structural studies of meteoritic, extra-terrestrial, & planetary materials
- Solid state oxygen fuel cell, hydrogen storage & battery materials
- Materials for energy conversion and harvesting
- Structural disorder & materials' properties at ambient & non-ambient conditions

Focus Area 3 (SIG 2, 3, 4)

- Beyond multipolar refinement
- Charge and spin density of materials at extreme conditions
- Inorganic and metal-organic magnetic structures
- Quasicrystal and approximant: structure and properties
- Incommensurate modulated and composite phases
- Dynamical refinement of electron diffraction data
- New approaches in electron crystallography

Focus Area 4 (SIG 7, 13)

- Molecular interactions in crystal packing and molecular assemblies
- Hydrogen bonding from theory to applications
- Crystal energy landscapes: computation and uses
- Polymorphs, cocrystals, solvates, salts: a jungle for scientists & industries
- Hot structures of small molecules
- Molecular recognition, supramolecular chemistry & crystal engineering
- Simulation of dynamics in molecular compounds
- Crystallography in solid state reactions and catalysis
- Molecular compounds & MOFs at ambient conditions & under high pressure
- Nanomaterials & graphene

Focus Area 5 (SIG 6, 8, 9)

- X-Ray diffraction on the μ s to ps time scale
- New detectors for high energy x-ray applications
- The use of X-ray, electron and neutron scattering in nanoscience
- Advances in neutron scattering under non-ambient conditions
- Combining x-ray diffraction and other techniques for *in situ* and *in operando* studies
- Total scattering: pdf analysis & diffuse scattering
- Measuring data quality
- Computational tools for theoretical chemistry in crystallography

General Microsymposia

- Contributions to and of crystallography
- Teaching & education: LinkedIn, Google scholar, etc.
- Crystallography in art and cultural heritage
- How to...: crystallization for small and large molecules
- History of ECA, history of crystallography

Plenary Speakers



Ada Yonath



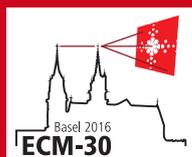
Jean-Marie Lehn

Keynote Speakers

Jan Pieter Abraham, Basel University, Switzerland
Bob Cernik, University of Manchester, UK
Birger Dittrich, Georg-August-University Göttingen, Germany
Robert von Dreele, Argonne National Laboratory, USA
Francesca Fabbiani, Göttingen, Germany
Petra Fromme, Arizona State University, USA
Makoto Fujita, University of Tokyo, Japan
Sandra W. Jacob, Novartis Pharma AG, Basel, Switzerland
Sven Lidin, Lund University, Sweden
Marcus Neumann, Avant-garde Materials Simulation, Freiburg, Germany
Gabor Oszlanyi, Academy of Sciences, Budapest, Hungary
Simon Parsons, University of Edinburgh, UK
Werner Paulus, Montpellier, France
Martin U. Schmidt, University of Frankfurt, Germany
Peter Schurtenberger, Lund University, Sweden
Olivier Thomas, Aix-Marseille University, France

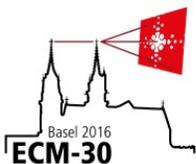
Responsibles Focus Areas 1–5:

Michael Hennig (Basel), Piero Macchi (Bern), Jürg Schefer (PSI),
Katharina M. Fromm (Fribourg), Radovan Cerny (Geneva)



<http://ecm30.ecanews.org/ecm2016/home.html>





30th Meeting of the
European Crystallographic Association
Congress Center Basel, 28th - 1st August 2016



<http://ecm30.ecanews.org/>

ECM-30 – Two weeks left to submit your abstract!

Submit your Abstract now!

Have you already submitted your abstract for the ECM-30 meeting in Basel, Switzerland, 28th August – 1st September, 2016? Don't miss the opportunity to present your work at the leading European Congress on Crystallography.

Abstract deadline: **Wednesday, 6 April 2016, 23:59h, CET**

Submit your abstract for one of the 50 exciting microsymbosia [topics](#) covering the diverse range of interests and scientific fields in which crystallography plays an important role.

For more information and abstract submission guidelines please visit the [website](#).

In order to support and encourage young investigators, there will be several poster prizes awarded to ECM-30 abstract authors. Also, a science slam will be organized for young crystallographers wishing to present their research in an entertaining and fun way.

Online Registration

To benefit from the reduced registration fee, please register [online](#) soon. For questions, please contact the Congress Secretariat: registration.ecm30@congrex.com

Early Bird Registration Deadline: **Wednesday, 20 April 2016**

Please note that our office will be closed during the Easter Holidays from Friday, 25 March until Monday, 28 March 2016, should you require assistance with registration and abstract submission.

[Submit your abstract here](#)

[Register here](#)

We are looking forward to your scientific contributions and participation.

Kind regards

Congress Secretariat ECM-30

c/o Congrex Switzerland Ltd.
Peter Merian-Strasse 80
4002 Basel / Switzerland

T: +41 61 686 77 77
F: +41 61 686 77 88
E: registration.ecm30@congrex.com