



Boston 2012

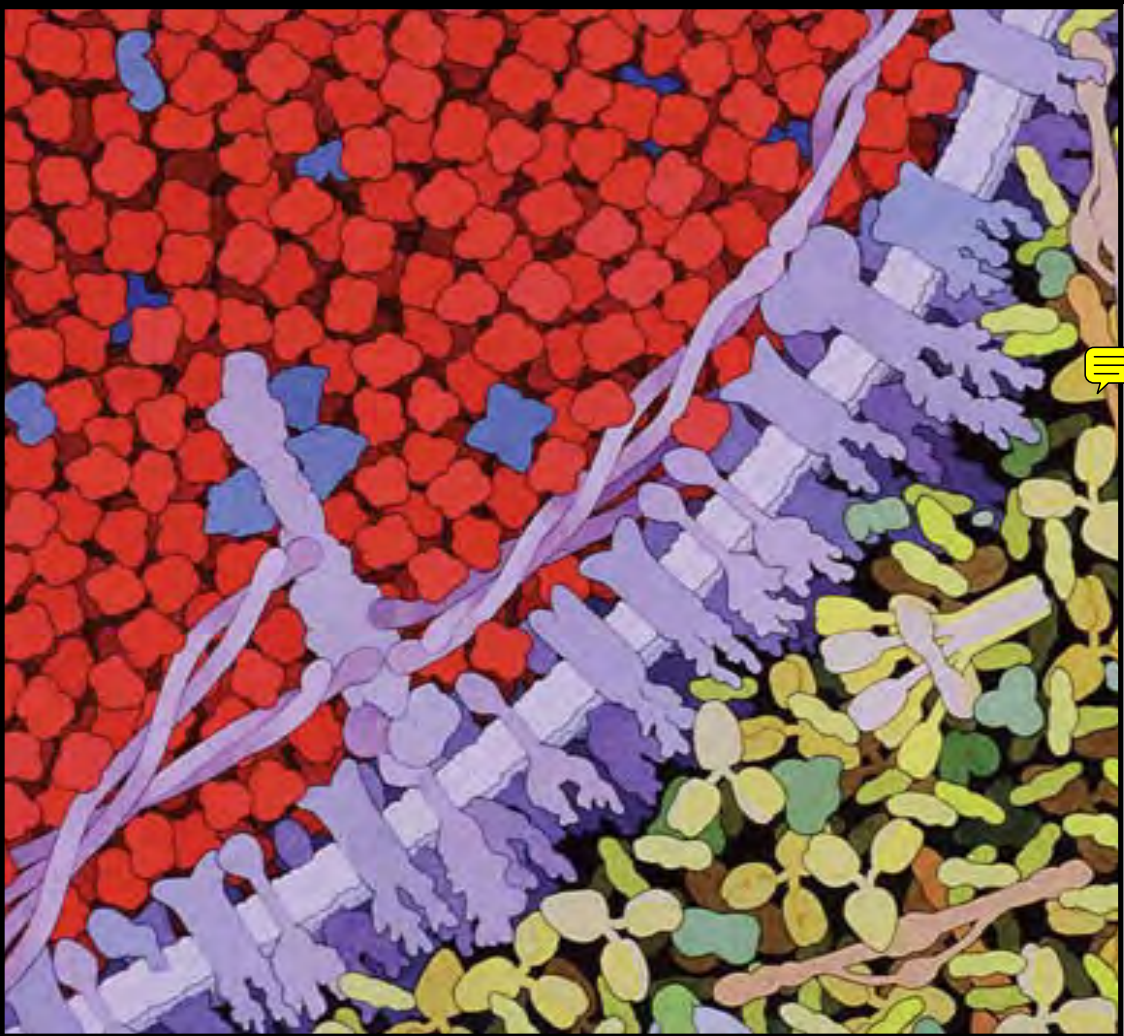
AMERICAN CRYSTALLOGRAPHIC ASSOCIATION

American Crystallographic Assn. Annual Meeting

Call for Papers

July 28 - August 1, 2012

Boston, Massachusetts



American Crystallographic Association 62nd Annual Meeting July 28 - August 1, 2012 Boston, MA

The ACA Meeting is an annual event providing scientists from a wide variety of backgrounds the opportunity to exchange cutting edge ideas and techniques in multiple areas of research. Each meeting highlights various aspects of crystallography and demonstrates their significance to the greater scientific community. Topics including protein structure and drug design, materials research and engineering, among others. Vendors display the latest technology at the exhibit show. Special award symposia to acknowledge outstanding scientists open each day's activities.

REGISTRATION FEES

| | Early | After May 31 |
|--------------------|-------|-----------------|
| MEMBERS | | |
| Regular | \$500 | \$700 |
| Retired | \$195 | \$295 |
| Postdoc | \$250 | \$350 |
| Student | \$195 | \$195 |
| Guest | \$65 | \$65 |
| NONMEMBERS | | |
| Nonmember | \$700 | \$950 |
| Post doc nonmember | \$350 | \$450 |
| Student nonmember | \$285 | \$385 |

DEADLINES

March 31

- Abstract Submission
- Student & Young Scientist Travel Grant Applications

May 31

- Early Registration

July 5

- Hotel Rooms at Group Rate

Submit online:

www.AmerCrystalAssn.org

For Students & Young Scientists

ACA presents numerous poster prizes each year at annual meetings. Several are dedicated to students and postdocs, including Linus Pauling, RCSB Protein Data Bank, International Union of Crystallography, The Journal of Chemical Crystallography, and CrystEngComm.



Each Scientific Interest Group has the opportunity to select one student to receive an award and to present a lecture in one of the sessions organized by that SIG. Selections are based upon submitted abstracts and are independent of whether the student originally requested an oral or poster presentation. Winners are determined by the elected officers of the SIGs. Students who are selected receive a monetary award of \$250 and a certificate to be presented at



the beginning of their lecture.

www.AmerCrystalAssn.org

Meeting Program

Award Symposia:

Buerger Award to John Spence

Warren Award to Paul Fenter

Supper Instrumentation Award to Ron Hamlin

Early Career Award to Emmanuel Skordalakes

Plenary Lecture:

Don Caspar - History of Structural Biology

Transactions Symposium:

Transformations and Structural Oddities in Molecular Crystals; in honor of Bruce Foxman

Banquet Speaker:

Daniel Nocera - 2011 Wood Award Recipient

Opening Lecture:

Eric Mazur - Confessions of a Converted Lecturer

Workshops

Refmac and Coot

Structure Refinement and Disorder Modeling with OLEX2

Modeling Refinement of Nanoparticle Structures from Diffraction Data

Crystallography - World of Wonders (for K-12 teachers)

Microsymposia

Structural Genomics for the Home Lab

Structural Approaches to Enzyme Mechanisms

Structural Enzymology-Biology

Would you Publish This?

Functional Nanomaterials

Macromolecular Science with Scattering Methods

Precipitates and Voids in Advanced Materials

Complementary Techniques in Structural Biology

Important Science from Small Molecule Structures

Cool Structures

Advanced Hardware and Applications

Etter Early Career Award Symposium for Young Scientists

Emerging Sources: Theory and Practice

Magnetic Materials

Fibril-Forming Pathological Peptides: Prions, Amyloids, and Friends

Emerging Sources: Theory and Practice

Materials for a Sustainable Future

Past Reflections and Future Directions: 100 Years of Diffraction

Exciting Structures

Protein and Small Molecule Crystallography at Undergraduate Institutions

Radiation Damage

Flesh and Blood: Intact and *in situ* Connective Tissue Diffraction Studies of Animals, Plants and Insect Bodies

Complementary Methods in Structural Biology: Spectroscopy, Microscopy and Others

Total Scattering Analysis

Extended Wavelength X-ray Crystallography

In operando/in situ Parametric Studies

From Constructs to Crystals

Public Domain Software

Functional and Emerging Materials and Technology

Membrane Proteins from Start to Finish

Crystallographic Information in Pharmaceutical Research and Development

Structure-Guided Drug Discovery

Data Collection with the Pros

Phase Transitions in Inorganic Systems



Only ACA offers:

- 40% of all talks chosen from contributed abstracts, including students and young scientists
- No abstract submission fee
- Lower registration fees for members

Be there and be seen.....

**2012 Exhibit Show
Saturday, July 28 - 31, 2012**

**Mix, mingle and meet over 800
participants during the
Opening Reception &
Exhibit Show on Saturday, July 28**

X-ray crystallography plays a steadily increasing role in fields such as structural chemistry, bioinformatics, nanotechnology, protein engineering, drug design, materials science, the study of gases, liquid crystals, minerals and polymers, and the rapid development and utilization of synchrotron radiation, neutron, and electron diffraction facilities.

Crystallography is relevant to any scientist dealing with molecules, including **chemists, biologists, material scientists, bio-engineers, mathematicians, mineralogists, and physicists.**

All coffee breaks and poster sessions are held in the exhibit hall offering you the opportunity to reach your target audience again and again.

Special offers:

- First-time exhibitors receive a 25% discount off of one booth
- Discount rates for Not-for profits
- ACA Corporate Members receive an additional discount on one booth
- Your website linked on the meeting site
- Free listing in the Program and Show Guide
- The opportunity to purchase a vendor 'coupon' for insertion in the Program Book

www.AmerCrystalAssn.org/2012-exhibits



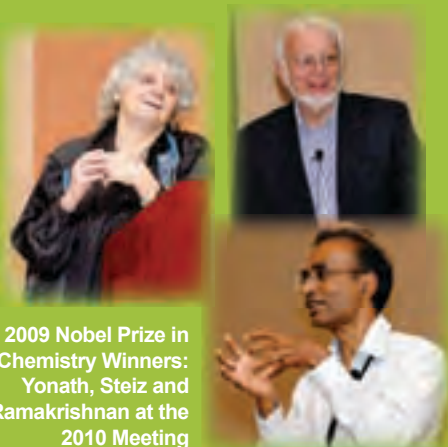
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Did you know?

- ACA has almost 2,000 members from **60 countries**
- ACA hosts a scientific conference each year where **40% of contributed abstracts** are selected for a talk
- ACA provides **travel bursaries** to ACA meetings to students and young scientists
- ACA has (12) Scientific Interest Groups, each with a **unique focus** on specialty areas while retaining access to, interaction with the entire range of crystallographic techniques and application
- ACA members include (6) **Nobel Laureates** who have participated in annual meetings for the past decade
- ACA membership is open to any person who is actively interested in the purposes of the Association; there are **no geographical restrictions**
- ACA student and young scientists are of particular importance to the association. Emphasis includes a **SIG for young people**, sessions organized for and by the YSSIG, social networking and a **representative on the ACA Council**
- ACA Awards recognize outstanding achievements in research, education and public service with more than (6) **poster awards** selected annually
- ACA Annual **Exhibit Show** and Opening Reception attracts over 800 people



2009 Nobel Prize in Chemistry Winners: Yonath, Steiz and Ramakrishnan at the 2010 Meeting



Young Scientist Travel Grant Winners 2011 Meeting