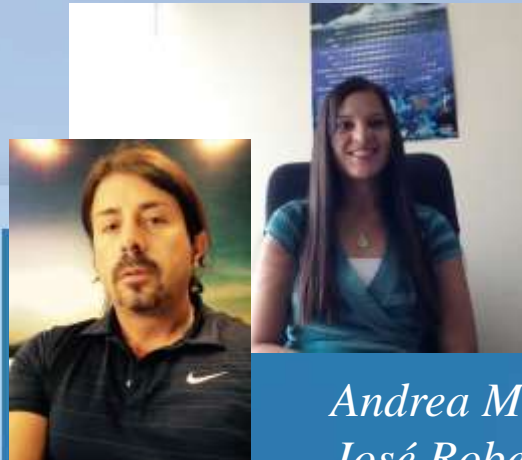


Crystallography for the next generation: the legacy of IYCr
Rabat, Marocco. 22-24 April 2015

Becoming a member of the IUCr as a seed to the crystallography growth in Costa Rica and in Central America



*Andrea Mariela Araya-Sibaja,
José Roberto Vega-Baudrit*

What is Costa Rica doing in crystallography?

- IYCr

CRYSTALLOGRAPHIC MEETING REPORTS



Participants at the first School of Crystallization and Polymorphism.

First School of Crystallization and Polymorphism

Costa Rica, January, 2014

by JUANMA GARCIA-RUIZ AND JOEL BERNSTEIN

With the support of the IUCr, the First School of Crystallization and Polymorphism was held at the University of Costa Rica (UCR) in San José de Costa Rica, January 27-31, 2014. The school was organized by G. Madrigal (UCR) and A. Araya (UCR). The School attracted 52 participants from universities and companies from Costa Rica, Panama, Guatemala and Mexico. The international team of lecturers was composed of S. Cuffini (SC), U. Federal de São Paulo of Brazil, A. Moreno (AM), U. Nacional Autónoma de México, J. Bernstein (JB), Ben-Gurion U. (Israel) and NY U. (Abu Dhabi), and J. Manuel García-Ruiz (JMGR), U. de Granada (Spain).

The School opened with a presentation of the International Year of Crystallography and an overview of the importance of crystals in science, technology and art (JMGR). The second day covered the fundamentals of nucleation, crystal growth and crystal morphology (G-R) and the basic aspects of polymorphism

and case studies that illustrated the importance of crystal forms in the pharmaceutical industry (JB). The third day was devoted to the technical aspects of crystallization, including proteins (AM), polymorphs and co-crystals (SC) and to solid-state characterization techniques (SC). Thursday covered combined lectures and hands-on demonstrations of crystallization techniques (JMGR; AM) with lectures on the thermodynamics of polymorphism, enantiotropism and monotropism (JB). The last day of lectures was on the legal aspects of polymorphism (JB), methods of preparation of novel crystal forms and habits (SC) and (AM), and analysis of the experiments performed the previous day (AM; JMGR). The closing session featured a colloquium following the public screening of the movie "The mystery of the giant crystals".

This successful school, the first ever organized in Central America, was facilitated by the sponsorship of INIFAR, LABIOFAR, INBOX (PANalytical), the U. of Costa Rica, and IUCr.

<http://www.cientec.or.cr/programas/estudiantes/xv-certamen-nacional-de-ensayo-cientifico-2014>

XV CERTAMEN NACIONAL DE ENSAYO CIENTÍFICO

Tema:
La CRISTALOGRAFÍA y el desarrollo humano

En el "Año Internacional de la Cristalografía 2014", escoja un ámbito de la cristalografía para su ensayo y profundice en farmacia, medicina, industria alimentaria, biología, nanotecnología, nuevos materiales, investigación u otros.

Periodo de recepción:
Del 1 al 31 de agosto, 2014

Dos categorías:
estudiantes de 13 a 15 años y de 16 a 18 años.
Participe en español o en inglés.

PREMIOS: La publicación del ensayo, giras educativas, libros y pasantías en centros de investigación de las universidades participantes.

Más información: Fundación CIENTEC
Tels. 2280-4561, 2280-4537,
<http://tinyurl.com/EnsayoCristalografia2014>
www.cientec.or.cr / cientec@cientec.or.cr

Organizan y patrocinan:
MEP, MICITT, CONICIT, UNA, TEC, UCR, RADIO U (101.9FM), CIQPA, ACEP y 

What Costa Rica expects as a member of the IUCr?

- Promote and strengthen international cooperation.
- Continue with schools and participation in OpenLabs.
- Encourage the study and dissemination of crystallography not only in Costa Rica but also in Central America.