



# **Events in Brazil during 2014**

*The summit meeting  
on  
“Biological Crystallography and  
Complementary methods”*

**(Campinas, 22<sup>nd</sup>-24<sup>th</sup> of September 2014)**

# Summit meetings - why Campinas?



Approx 100 participants



[pages.cnpem.br/iycr2014-lasummit](http://pages.cnpem.br/iycr2014-lasummit)



CNPq

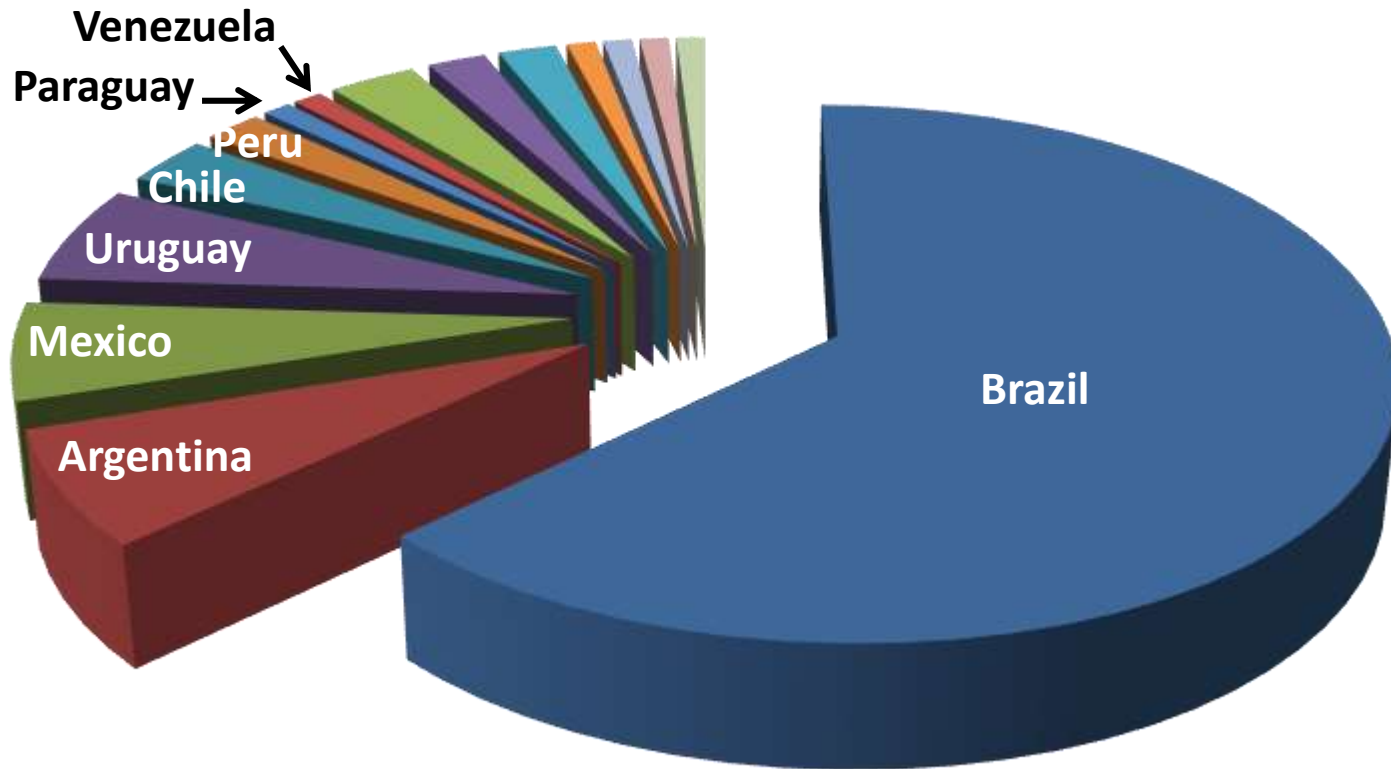
late american summit meeting

**IYCr2014**

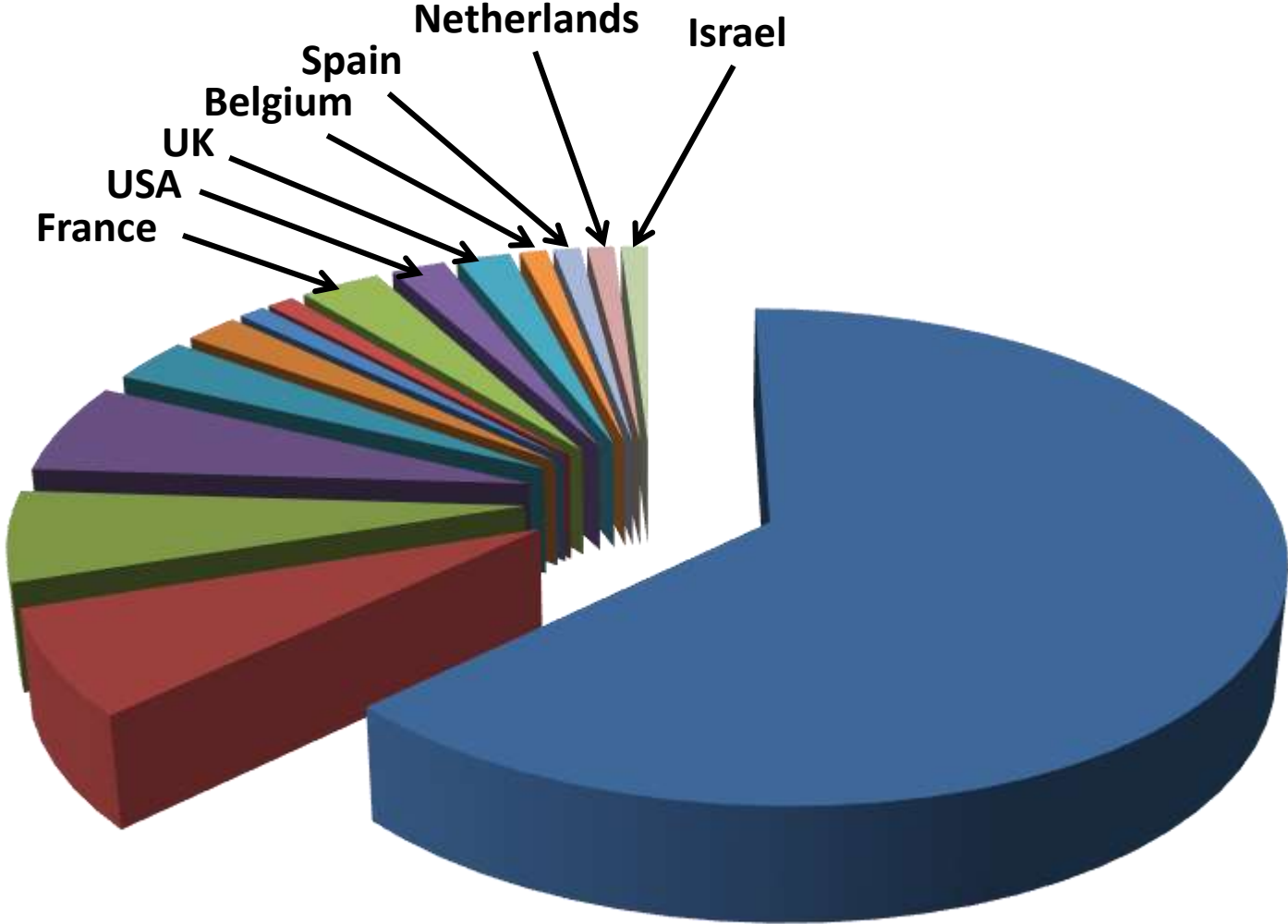
biological crystallography and  
complementary methods



# Participants

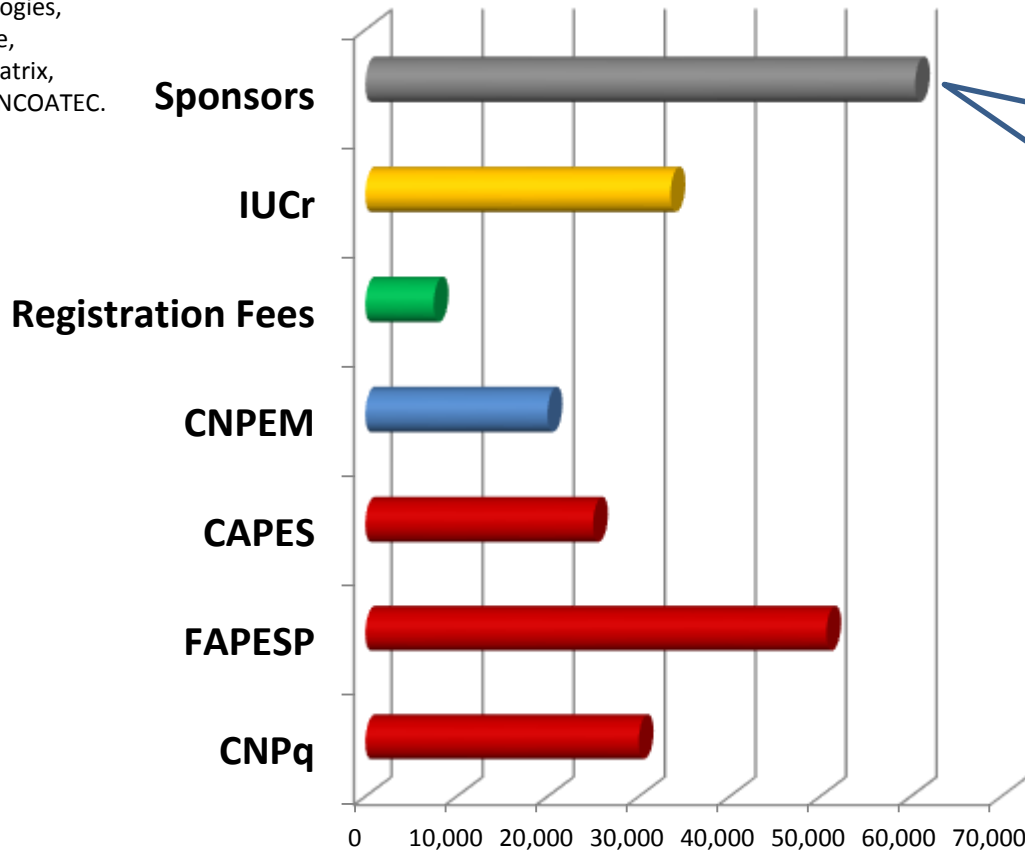


# Participants



# How did we pay for it?

Molecular Dimensions, Bruker,  
NanoTemper Technologies,  
Agilent, GE Healthcare,  
Rigaku/Dairix, Formulatrix,  
Astex, TTPLabtech e INCOATEC.



“Do you intend to organize this again next year?”

“Maybe in a 100 years”

# André Ambrosio

The guy who really did all the work

Latin American summit meeting

## IYCr2014

biological crystallography and  
complementary methods

[pages.cnpem.br/iyCr2014-lasummit](http://pages.cnpem.br/iyCr2014-lasummit)

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Molecular  
Dimensions



Agilent Technologies

# Why complementary techniques?

- The lack of critical mass in biological crystallography particularly in neighbouring countries.
- To be in line with current trends and tendencies.
- To expand the use of crystallographic methods by “others”.



DANIEL GUERRA



OPTICAL TWEEZERS



ANA CAROLINA ZERI



NMR



RAÚL PADRÓN



ELECTRON MICROSCOPY



RODRIGO PORTUGAL



ELECTRON MICROSCOPY



ALEJANDRO VILA



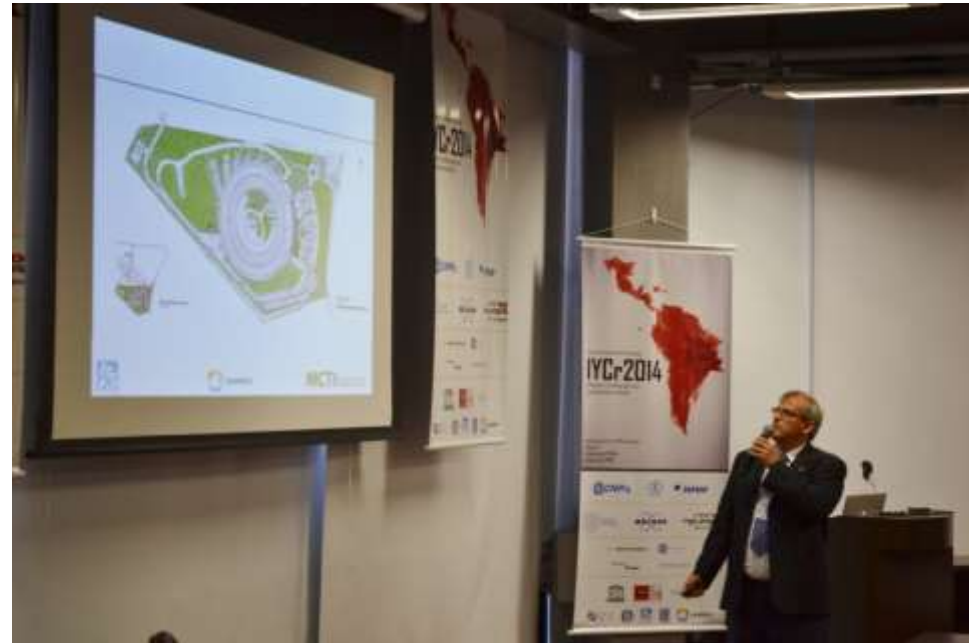
NMR



# Past, present and future of PX in Latin America



Glaucius Oliva



Antônio José Roque da Silva

An example to all of us



Round Table



IUCr Desk



UNESCO



Posters



Commercial Exhibition



Press Conference



Oral Presentations



[http://www.mcti.gov.br/noticias/-/asset\\_publisher/IqV53KMvD5rY/content/pesquisadores-sugerem-criacao-de-fundo-de-cooperacao-para-cristalografia;jsessionid=94CAC0B2D026F759D56E1A25016292BC](http://www.mcti.gov.br/noticias/-/asset_publisher/IqV53KMvD5rY/content/pesquisadores-sugerem-criacao-de-fundo-de-cooperacao-para-cristalografia;jsessionid=94CAC0B2D026F759D56E1A25016292BC)

<http://www.dicyt.com/noticia/reuniao-de-cupula-latino-americana-de-cristalografia-sugere-criacao-de-fundo-de-cooperacao>

<http://www.iycr2014.org/home/news/latin-american-summit-a-success>

[http://agencia.fapesp.br/avanco\\_da\\_cristalografia\\_e\\_destacado\\_por\\_pesquisadores/19883/](http://agencia.fapesp.br/avanco_da_cristalografia_e_destacado_por_pesquisadores/19883/)

[http://www.cnpq.br/web/guest/noticiasviews/-/journal\\_content/56\\_INSTANCE\\_a6MO/10157/2172459](http://www.cnpq.br/web/guest/noticiasviews/-/journal_content/56_INSTANCE_a6MO/10157/2172459)

<http://exame.abril.com.br/tecnologia/noticias/avanco-da-cristalografia-e-destacado-por-pesquisadores>

Vídeo Agência Fapesp - <http://youtu.be/Qv1gJOthweE>

<http://www.nitmantiqueira.org.br/portal/index.php/noticias/323-avanco-da-cristalografia-e-destacado-por-pesquisadores>

<http://www.brasil.gov.br/ciencia-e-tecnologia/2014/08/brasil-sediara-reuniao-para-celebrar-ano-da-cristalografia>

<http://www.anup.com.br/portal/noticia/biotecnologia-f%C3%A1rmacos-e-sa%C3%BAde>

<http://www.jornalbrasil.com.br/?pg=desc-noticias&id=146449&nome=Reuni%C3%A3o%20de%20C%FApula%20Latino-Americana%20sobre%20cristalografia%20biol%C3%B3gica%20e%20m%C9todos%20complementares>

[http://www.fapeam.am.gov.br/ai1ec\\_event/cnpq-encontro-latino-americano-de-cristalografia-tem-inscricoes-abertas/](http://www.fapeam.am.gov.br/ai1ec_event/cnpq-encontro-latino-americano-de-cristalografia-tem-inscricoes-abertas/)

<http://www.brasil.gov.br/ciencia-e-tecnologia/2014/03/encontro-latino-americano-de-cristalografia-abre-inscricoes>

<http://www.planetauniversitario.com/index.php/cursos-e-palestras-mainmenu-63/conferencias-mainmenu-66/32517-latin-american-summit-meeting-on-biological-crystallography-and-complementary-methods>

[http://agencia.fapesp.br/agenda-detalhe/latin\\_american\\_summit\\_meeting\\_on\\_biological\\_crystallography\\_and\\_complementary\\_methods/18836/](http://agencia.fapesp.br/agenda-detalhe/latin_american_summit_meeting_on_biological_crystallography_and_complementary_methods/18836/)

<http://www.jornalbrasil.com.br/?pg=desc-noticias&id=128442&nome=Encontro%20latino-americano%20de%20cristalografia%20tem%20inscri%C3%A7%C3%B5es%20abertas>

# “A view from abroad”

round table discussion with ex-patriots



# Good Intentions - signing of the final petition



Intention of raising a local fund of \$100.000 (in accordance with each countries economic reality) to support the development of crystallography in the region

# Getting organized



CeBEM

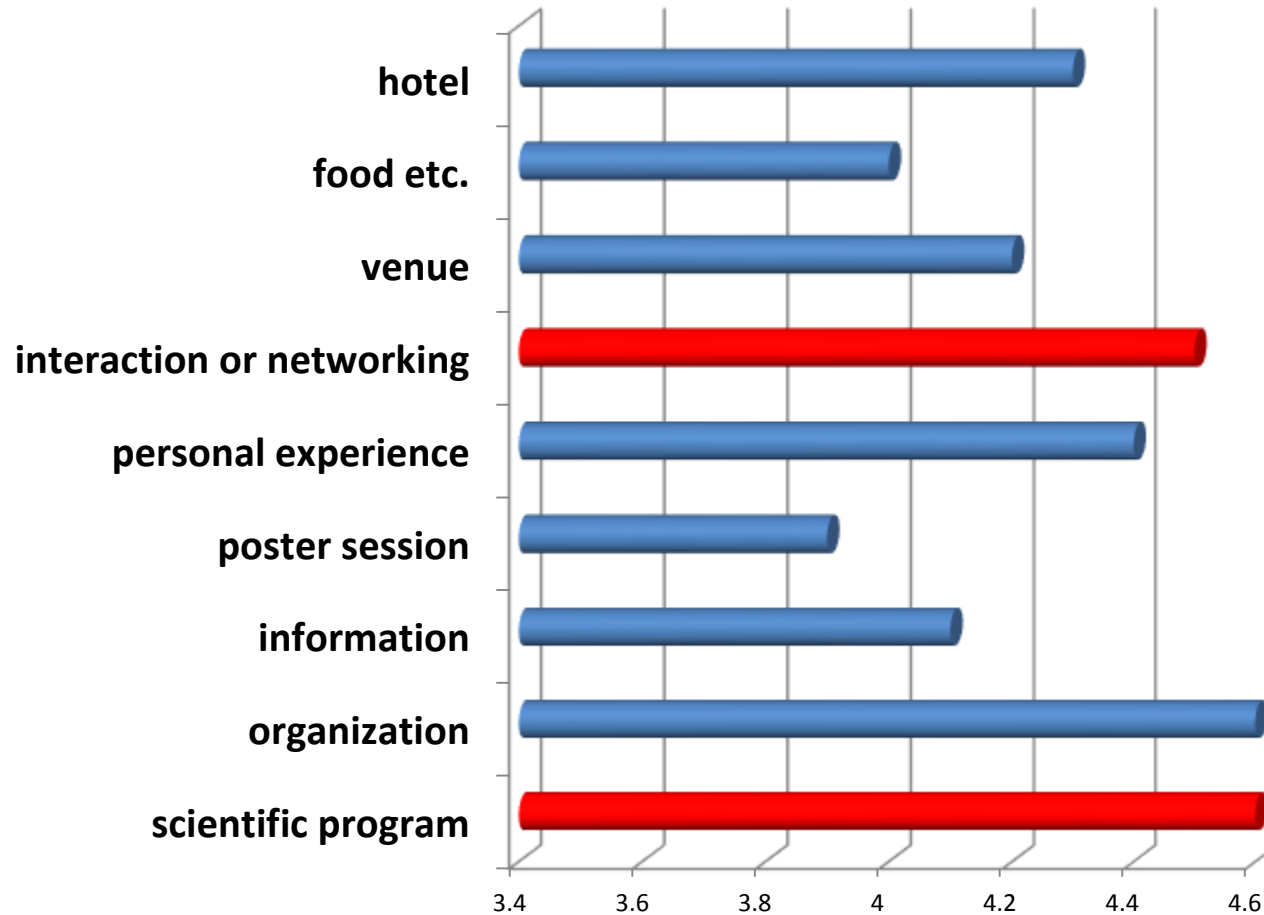
Mercosul Structural Molecular  
Biology Centre (2009)



LACA

Latin American Crystallographic  
Association (2013-2014)

# How did we do?







# IYCr 2014 Activities in Brazil

Organized by members of the Brazilian Crystallographic Association



*Iris L. Torriani*

*Institute of Physics, University of Campinas, Campinas, SP, Brazil – torriani@ifi.unicamp.br*

Exhibitions of "Voyage dans un cristal" panels from the "100 Years of Crystallography" project by the Grenoble team were organized and will continue to be shown during 2014



Science Coordinators of the UNESCO Associated Schools Meeting in São Paulo, SP, March 15, 2014. (Prof. Iris L. Torriani)



XXVII - Brazilian Physical Society - Condensed Matter Physics Annual Meeting May 2-16, 2014, Costa do Sauipe, Bahia, Ba. (Profs. Iris L. Torriani & E. Granado)



21<sup>st</sup> Meeting of the Brazilian Crystallographic Association (ABCr) Univ. Federal de Goiás, Goiania, Goiás, Sept. 20, 2013 (Prof. José Ricardo Sábio)

VI Rietveld Course offered at the Federal University of Ceará - April 04, 2014 (Prof. M. Sasaki)



An International Symposium on Crystallography will take place in Fortaleza, Ceará (UFC, 12-15 Oct. 2014) - (Prof. M. Sasaki)

Open Lab activities are being planned with commercial sponsorship: Bruker-Axis (in Goiania, Goiás October 2014) (Prof. José Ricardo Sábio)

A Latin American Summit Meeting on Biological Crystallography and Complementary Methods will take place at the Brazilian Synchrotron Laboratory. This will be a forum to stimulate the application of crystallography to complex biological phenomena, with a series of scientific presentations from Latin American lecturers. Nobel Prize laureate **Ada Yonath** will be the main lecturer. (Profs. Glaucius Ollivis, Antonio José Roque da Silva, Kieber Franchini, Iris L. Torriani, Richard Garratt & André L. Bertelli Amorim)

"The IYCr at the UFMG" meeting will be held in November 20-21, 2014, at the Physics Department of the Federal University of Minas Gerais, Belo Horizonte, MG - (Prof. H. Spessiani)



Workshops and Lecture Courses on Applied Crystallography (UFES, Vitória - 23-25 May, 2014) (Prof. Marcos Tadeu D'Azavedo Orlando)

Panalytical Open Labs will take place on Aug. 20-21, 2014 at their São Paulo premises. (Prof. Marcia Fontes)



An EMBL sponsored Structural and Biophysical Methods for Macromolecules in Solution course (Jan. 19-26, 2014) University of São Paulo, within the Global Exchange Lecture Course Program (Prof. Cristiano L.R. Oliveira)



"Sirius, the new synchrotron light source project.



At IFSC-USP, São Carlos, a Macromolecular Crystallography School "from data processing to structure refinement and beyond" was held on April 8-16, organized by CCCPA and local researchers. (Prof. Richard Garratt)



## XXII Reunión de la ABCr I Reunión de la LACA



9 a 11 de setiembre de 2015

Invitamos a todos los cristalógrafos de los países latinoamericanos a participar en esta importante Reunión con la cual la LACA inicia su actuación como Asociación Regional de la Unión Internacional de Cristalografía.

### Lugar de la Reunión



Instituto de Física,  
USP, São Paulo,  
Brasil

### Comisión Organizadora Internacional

*Marcia C. A. Fantini (Brasil)*  
*Diego G. Lamas (Argentina)*  
*Mauricio Fuentealtaba (Chile)*  
*José Roberto Vega-Baudrit (Costa Rica)*  
*José Antonio Henao (Colombia)*  
*Graciela D. Delgado (Venezuela)*  
*Lauro Bucio Galindo (México)*  
*Alejandro Buschiazzo (Uruguay)*  
*Iris C.L. Torriani (Brasil) - Chair*

"Workshop" satélite: "High Pressure Crystallography" 12-14 de set. 2015, Laboratorio Nacional de Luz de Síncrotrón - LNLS - Campinas, SP, Brasil

El programa científico completo (*en elaboración*) será divulgado en el segundo anuncio del encuentro.

### Contactos:

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