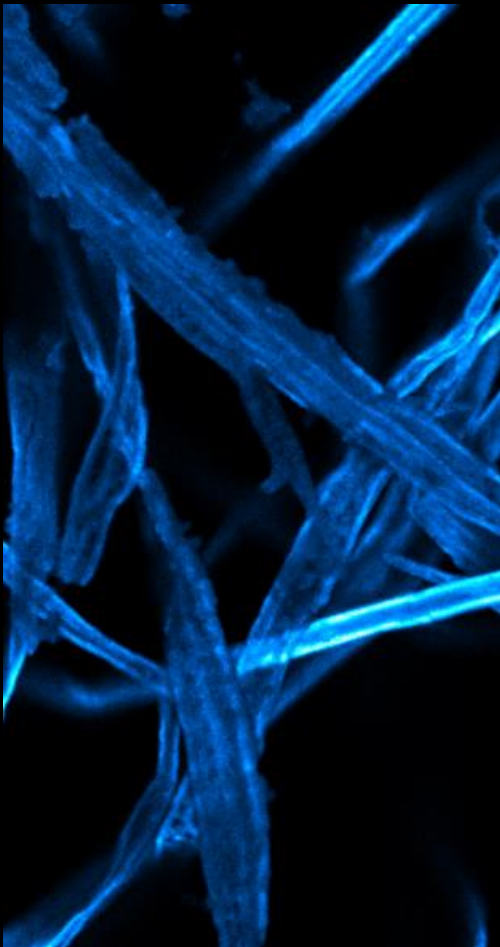


CLAQ 2016 satellite course

4th South American Workshop

on new trends in Advanced Fluorescence Microscopy Techniques

January 25-29, 2016 • Universidad de Concepción, Chile



Topics

- Principles of Fluorescence Spectroscopy
- Fluorescence Microscopy
- Multiphoton Fluorescence
- Fluorescence Correlation Spectroscopy (FCS)
- Raster Image Correlation Spectroscopy (RICS)
- Number and Brightness analysis (N&B)
- Fluorescence Lifetime Imaging (FLIM)
- Forster Resonance Energy Transfer (FRET)
- Laurdan Generalized Polarization Imaging
- Spectral Phasors
- Particle Tracking

Instructors

- Enrico Gratton. University of California Irvine (LFD), USA
- David M. Jameson. University of Hawaii, USA
- André Gomes. Universidade Federal do Rio de Janeiro, Brasil
- Valeria Levi. Universidad de Buenos Aires, Argentina
- Andrea Cheble. Universidade Federal do Rio de Janeiro, Brasil
- German Gunther. Universidad de Chile, Chile
- Luis F. Aguilar. Pontificia Universidad Católica de Valparaíso, Chile
- Susana Sánchez. Universidad de Concepción, Chile

Organizers

- Laboratorio de Interacciones Macromoleculares, Facultad de Ciencias Químicas, Universidad de Concepción, Chile
 - Laboratorio de Dinámica Intracelular, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina
 - Laboratorio de Termodinâmica de Proteínas e Estruturas Virais Gregorio Weber, Universidade Federal do Rio de Janeiro, Brasil
 - Laboratory for Fluorescence Dynamics, University of California Irvine, USA
 - CMA-BioBio, Universidad de Concepción, Chile
 - Fluorescence Foundation, ISS, Illinois, USA.
- The workshop is designed for students (graduate and undergraduates) as well as for researchers and scientists who intend to extend their knowledge of these fields. The program includes theoretical lectures, computer and laboratory training. Enrollment in the lectures and the computer training is open and free of cost (registration is needed). The laboratory training is limited to 20 participants (people interested please contact Dr. Valeria Levi at workshopchile2016@gmail.com).
- **Location:** Facultad de Ciencias Químicas. Universidad de Concepción. Edmundo Larenas 129, Concepción, Chile. **Language:** English. **Contact:** Susana Sanchez at workshopchile2016@gmail.com
- **Registrations** at <http://www.fluorescence-foundation.org/courses.aspx>