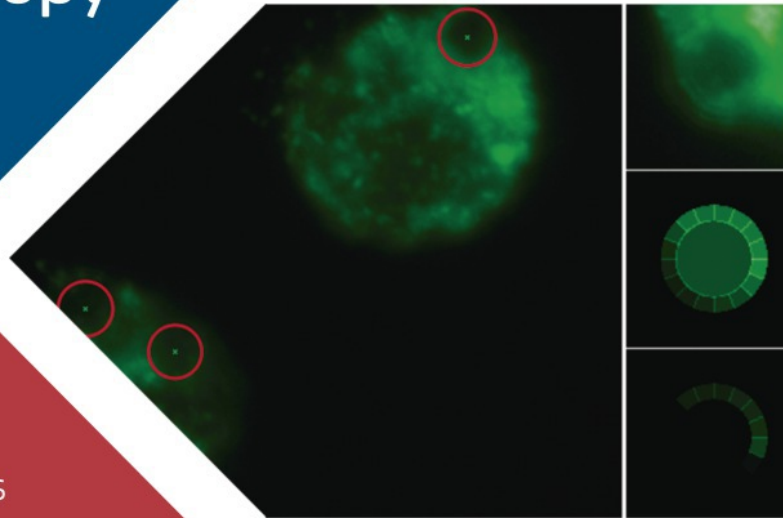Training Course on

Processing and Analysis of Fluorescence Microscopy Images

Institut Pasteur de Montevideo

Invited instructors:

Stéphane Dallongeville, Institut Pasteur Paris

Alexandre Dufour, Institut Pasteur Paris

Johannes Schindelin, University of Wisconsin

Steffen Hartel, Universidad de Chile

February 29 to March 11 2016

Institut Pasteur de Montevideo

Organizers: Federico Lecumberry, Pablo Aguilar, Flavio Zolessi

The course combines theory and practice on image processing focusing on fluorescence microscopy images, bringing together students and researchers from both biological sciences and mathematics/engineering.

The course is divided in two modules, of one week each:
1. theory and methods to understand the algorithms for image processing included in most of the commonly used software packages;
2. hands-on activities where the student will apply the analyzed methods (or new ones) to their own image-related research projects.

Subjects to be covered include:

- Basic concepts on biological microscopy imaging
- 2D, 3D and 4D (timelapse) basic image processing
- Image convolution/deconvolution
- Segmentation, particle analysis and tracking

For more information about the course and the application process and forms please visit our website.

http://pasteur.edu.uy/pafmi2016 🌐

pafmi2016@pasteur.edu.uy ✉

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The deadline for applications is 23:59UTC
Wednesday, December 23, 2015