

“BIOINFORMATICS AND OMICS IN THE NEXT-GEN SEQUENCING ERA

Director: Dr. Elvira María Hebert - **Coordinator:** Dr. Fernanda Mozzi
Invited Lecturer: Dr. Stefan Weckx ((Vrije Universiteit Brussel, Belgium)
Lecturer Assistant: Dr. Lucila Saavedra

Course Contents:

The course is oriented to experimentalists, end-users and PhD students who want to learn about genomics and transcriptomics data analysis methodologies. The course includes hand-on sessions using web-based platforms, including text searches in databases, BLAST, multiple sequence alignment, and exercises on (meta)genomics and (meta)transcriptomics data using the Galaxy (<https://usegalaxy.org>) platform. Lectures and hands-on sessions will be held at the facilities of CERELA-CONICET.

Please note that the course will be given in English

Type of course: Theoretical with hand-on sessions and seminars

Credits: 40 h

Dates: Monday 8th to Saturday 13th June 2015

Registration fee: \$ARS 1500

Location: A five day theoretical and practical course on analysis of Next Generation Sequencing data organized by CERELA-CONICET and National University of Tucumán. Address: Chacabuco 145, San Miguel de Tucumán, Argentina.

Requirements: A laptop (i5 or i7) for own work will be needed for data analyses. Microsoft Windows OS able to run Chrome or Firefox having a recent Java version is also required.

Oriented to: PhD students with degree on Bsc. on Biochemistry, Biotechnology with background on Molecular Biology

Evaluation System: Seminar exposition and written exam

Assistance required: 100%

Maximum student quota: 20

Credits course will be useful for Doctoral Careers on Biochemistry, Biological Sciences, Food Technology, Vegetable Science and similar

Information and Registration deadline:

CERELA-CONICET

Chacabuco 145 (4000) S. M. de Tucumán

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Deadline: May 20th 2015. A CV with motivation letter is required for registration