









Introduction to Bioinformatics

An introduction to bioinformatics and biological databases that will cover computer-based methods for analysis of DNA and protein sequences. The topics to be covered include: the Unix operating system, biological databases - NGS technologies - web-based tools for genome analysis - a desktop based bioinformatics tool.

**INTERNATIONAL COURSE
PUNTA ARENAS, CHILE
OCTOBER 3-8, 2016**

LECTURES:

-  Basic principles of bioinformatics
-  Biological databases
-  Protein analysis
-  Ensembl and other genome Browsers
-  Ugene: graphic user interface
-  NGS introduction
-  Tutorial Galaxy
-  NGS, RNAseq

INSTRUCTORS:

-  Dr. Erik Bongcam-Rudloff
-  Hadrien Gourle (Ph.D. student)
-  Swedish University of Agricultural Sciences, SLU-
Global Bioinformatics Centre








GENERAL INFORMATION:

-  Registration deadline: **2 September, 2016.**
-  Application: Send your application to mgonzalez@inach.cl. The application is available at www.inach.cl.
-  Registration fee:
-  Students: US\$50/ \$ 34.000 Chilean pesos
-  Professionals: US\$80/ \$53.000 Chilean pesos
-  Locations: Universidad de Magallanes and Edificio de Laboratorios Antárticos "Embajador Jorge Berguño" (INACH), Punta Arenas, Chile.
-  Spots are limited to **25 participants.**
-  *The course will be in English with some Spanish support*



ORGANIZING COMMITTEE:

-  Marcelo González (Instituto Antártico Chileno)
-  Cesar Cárdenas (Instituto Antártico Chileno)
-  Pamela Santibáñez (Instituto Antártico Chileno)
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