

NEXT GENERATION SEQUENCING BIOINFORMATICS

19-24 January 2020

Santiago-Chile

In collaboration with the **Faculty of Biological Sciences of Pontificia Universidad Católica de Chile**, applications are invited for our **NGS Bioinformatics course** being held in Santiago, Chile.

This week-long course is open to applicants from Latin America and the Caribbean and is free to attend for non-commercial applicants. Bursaries to cover travel and accommodation expenses are also available.

Next Generation Sequencing Bioinformatics

Course dates: 19-24 January 2020

Location: Facultad de Ciencias Biológicas of Pontificia Universidad Católica de Chile, Santiago, Chile

This workshop aims to provide a hands-on introduction to bioinformatics for next generation sequencing and to equip participants with the essential informatics skills and knowledge required to begin analyzing next generation sequencing data and carry out some of the most common types of analysis.

Applications **MUST** be received by 10 October 2019. **Apply Now.**

Scientific sessions and topics include:

- Introduction to NGS technologies
- Introduction to the unix command line
- NGS data formats and tools
- Sequence alignment and QC
- SNP/indel theory and practical
- Structural variation theory and practical
- RNA-seq analysis
- ChiP-seq analysis
- Sequencing data visualization with IGV
- Accessing public sequencing repositories
- Genome assembly theory and practical
- Participant projects and presentations (final day)

Lead organizer/instructor:

- **Marcela Sjoberg, Ph.D.**
Pontificia Universidad Católica de Chile

Guest speaker:

- **Beatriz Díez, Ph.D.**
Pontificia Universidad Católica de Chile

Course instructors/asistants:

- **Daniela Robles-Espinoza Ph.D.**
Intl. Lab. for Human Genome Res., Mexico
- **Ximena Ibarra-Soria Ph.D.**
Cambridge Institute, UK
- **Alejandra Medina-Rivera Ph.D.**
Intl. Lab. for Human Genome Res., Mexico
- **Eric Dawson Ph.D.**
University of Cambridge, UK
- **Guillermo Parada Ph.D.**
Wellcome Sanger Institute, UK
- **Martín García Solá Ph.D.**
Universidad de Buenos Aires, Argentina
- **Alejandro Montecinos**
Pontificia Universidad Católica de Chile, Chile

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