

ICGEB

Meetings and Courses 2019

18-28
February

Course "Redox chemistry and biology of thiols"

Montevideo, URUGUAY



Organiser:

Gustavo Salinas (Worm Biology Lab, Institut Pasteur de Montevideo, Uruguay)

Co-organisers:

Marcelo Comini (Institut Pasteur de Montevideo, Uruguay), Beatriz Alvarez and Madia Trujillo (Universidad de la República, Montevideo, Uruguay)

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Web <https://www.icgeb.org/uruguay-thiols-2019.html>

Thiols in proteins and cofactors serve catalytic, structural, metal-binding and regulatory functions and they are key to metabolism, signaling, antioxidant defense and protein folding. The course will provide an integrated and updated view of thiol-dependent redox processes through theoretical lectures, experimental activities, and seminars. Topics will include:

- Reactive oxygen and nitrogen species and cysteine oxidation
- Chemistry of thiols
- Chemical biology of sulfur metabolism and hydrogen sulfide
- Selenocysteine and selenoproteins
- The structural biology of redoxins
- Disulfide-bond formation and protein folding
- Thiol-dependent antioxidant systems
- Alternative thiol-based redox systems
- Metallo-thiol-based redox switches and biosensors

Participants

- Master or Doctoral students in Biology, Chemistry, Biochemistry, Biotechnology, Bioinformatics, Medicine and related areas
- Currently working, or with the prospect to work in the near future, in subjects linked to the course
- *Curriculum Vitae*, a motivation letter and a letter of recommendation from the tutor(s) must be included in the application

Funding

- Participants are expected to cover their own travel and living costs
- A limited number of grants covering accommodation (twin share) and meals for the duration of the course are available to [ICGEB Member State](#) nationals in the early stage of their career currently residing outside of Uruguay
- Financial support will also be available for selected foreign students under different sources of funding

Online application <https://www.icgeb.org/course-application-uruguay-thiols-2019.html>

Deadline 2 December 2018



Follow the event



#ICGEBmeeting #Thiols #Redox



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