

CHANNELS & TRANSPORTERS

Erice (Italy), 14 - 20 May 2017

DEADLINE for REGISTRATION

15th March 2017



ORGANIZATION

INVITED SPEAKERS:

Alessio Accardi
Chris Ahern
Alexis de Angeli
Frances Ashcroft
David Attwell
Wolfgang Baumeister
Francisco Bezanilla
Scott Blanchard
Olga Boudker
Annette Dolphin
Gavin Francis
David Gadsby
Florian Gantner
Peter Hegemann
Thomas Jentsch
Christopher Miller
Anna Moroni
Crina Nimigean
Michael Pusch
Carol Robinson
Simon Scheuring
Paolo Tammaro
Gerhard Thiel
Francesco Tombola
Anna Weininger

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The **International School of Biophysics in Erice**, Sicily has hosted a course on "*Channels and Transporters*" four times since 2002. This will be the sixth time it is held.

This FEBS/EMBO lecture course entitled "**Biophysics and Medicine of Channels and Transporters: Electrifying New Insights**" will provide a *broad* coverage of modern aspects of ion channel and transporter science. Topics covered will range from structural biology and advanced pharmacological approaches to the role of ion channels and transporters in human health and disease. Lectures will include didactic presentations on the fundamentals of ion channels and transporters, as well as state-of-the-art presentations on the latest findings, and practical information on patch-clamp, biochemical assays, protein purification, X-ray crystallography, microscopy, molecular dynamics, drug interactions and optogenetics.

Ample time has been allowed for discussion after each session. Additional discussion groups at the end of the day will focus on general principles, and on problems raised by the students. Students will also have the opportunity to present their own data in both oral presentations ("data blitzes") and poster sessions. There will thus be multiple opportunities for discussion and ad hoc interactions between students and lecturers.

The small town of Erice has a relaxed atmosphere and provides a beautiful setting for the course.

FOR INFORMATION AND REGISTRATION: <http://channels.ge.ibf.cnr.it/>



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