

NEWSLETTER 2020

1 – January

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- ✓ Congresses [CONGR]
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biophysics [Ebsa]
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SIBPA [bySIBPA]



[by SIBPA] [CONGR] Congresso Nazionale congiunto SIBPA-SIFB 2020



Convegno congiunto
SIBPA - SIFB 2020

7-9 luglio 2020
Università di Parma



**Società Italiana di
Biofisica Pura e Applicata
XXV Congresso Nazionale
SIBPA 2020**

**Società Italiana di
Fotobiologia
Congresso Annuale
SIFB 2020**

Topics

Molecular Biophysics

Cell and tissue Biophysics

Systems Biophysics/ Environmental
Biophysics

Light -responsive materials

Light and human health

In vitro photodynamic investigations:
focus on antimicrobial and
antitumoral strategies

Applied Photobiology and Biophysics

Photobiology and Biophysics at the
nanoscale

Optical and spectroscopic methods
applied to Biology and Medicine

[CfPO] [Ebsa] PhD positions in Physics and Chemistry of Biological Systems at SISSA

There are 5 positions available for the PhD in "Physics and Chemistry of Biological Systems" at the International School for Advanced Studies (SISSA), Trieste, Italy.

The application deadline is January 21, 2020 for non EU students and March 3, 2020, for EU students

Students are expected to join the written and oral exam on March 25. Non EU students might be selected directly with a Skype interview or might receive a fellowship to be invited to participate to the written exam. See below for contributions towards traveling expenses.

Applicants should have a good background in Physics, Chemistry, Applied Mathematics or related subjects and are expected to obtain their Laurea Specialistica or equivalent degree by Autumn 2020.

The announcement can be found here:

<https://www.sissa.it/sbp/phdsection/phd.php>

Notice that **SISSA can cover, in full or in part, the expenses of students** who, after the first screening based on CV and letters of presentations, are admitted to the local entrance exam. Please contact bussi@sisssa.it for further information.

Admitted students will have the opportunity to follow a one-year educational program in an international and interdisciplinary environment, followed by three years of active research in one of the following areas:

- < Structural bioinformatics
- < Statistical mechanics of complex molecular systems
- < Self-assembly
- < Biomolecular simulations
- < Simulations of rare events
- < Data science of complex and biomolecular systems
- < Polymer physics
- < Bayesian statistical models applied to high-dimensional biomedicine (data science fellowship)

One of the 5 positions is bound to the data science project.

For further information about the available research lines and past entrance exams see:

<http://www.sissa.it/sbp/phdsection/entranceexam.php>

and related webpages.

You can also find a flyer at this link:

https://www.sissa.it/sbp/phdsection/flyer_sbp_2020.pdf

Feel free to forward this notice to anyone who might be interested.

Giovanni Bussi

[CfPO] [Ebsa] PhD position available in Mathematical Biology, University of Liverpool

<https://www.findaphd.com/phds/project/mechanistic-modelling-of-par-polarity/?p117378>



Mechanistic Modelling of PAR Polarity at University of Liverpool on FindAPhD.com

www.findaphd.com

PhD Project - Mechanistic Modelling of PAR Polarity at University of Liverpool, listed on FindAPhD.com

Dr Natasha Savage

Department of Functional and Comparative Genomics
Crown Street, Liverpool L69 7ZB, Tel: +44 (0) 151 795 4570

Institute of Integrative Biology, University of Liverpool
<http://www.liv.ac.uk/integrative-biology/staff/natasha-savage/>

[CfPO] [Ebsa] Two Post-doc positions in Leeds

There are two positions in my laboratory in Leeds: a 3-year BBSRC-funded postdoctoral position on the structure and function of integral membrane -pumping pyrophosphatases. This builds upon our work published over the last several years in Science, Nature Communications and Science Advances. It will focus on understanding the mechanism in detail using a combination of FRET, PELDOR, modelling, and X-ray crystallography.

<https://jobs.leeds.ac.uk/vacancy.aspx?ref=FBSBM1137>

The second position is a senior research technician position, on the same grant, to provide support for this and other membrane protein projects in the lab.

<https://jobs.leeds.ac.uk/vacancy.aspx?ref=FBSF01137>

The equipment at the University of Leeds for structural biology and biophysics in general, and membrane protein biology in particular, is second to none. I have a decent-sized, friendly and highly cooperative laboratory.

Please contact me if you have any questions about either position.

Adrian Goldman A.Goldman@leeds.ac.uk

[CfPO] Postdoctoral Position in Ion Channel Pathways, Oxford University, UK (Paolo Tammaro lab)

Postdoctoral Research Assistant in Ion Channel Pathways
Department of Pharmacology, Mansfield Road, Oxford
Grade 7: £32,817 - £40,322 p.a.

Associate Professor Paolo Tammaro in the Department of Pharmacology, in collaboration with Professor Fran Platt, is seeking an ambitious and talented individual who is interested in applying their skills at the interface of fundamental and applied pathophysiology/pharmacology of ion channels.

A new project, funded by the BBSRC, aims to (i) understand the cellular and molecular properties of TMEM16A that enable it to respond to a variety of lipids and (ii) exploit knowledge of these mechanisms to enhance our understanding on how lipids can modulate drug action.

This study aims to leverage the basic bioscience excellence of the academic partners with the state of the art computational and experimental platforms at Autifony Therapeutics, to reveal novel aspects of cell biology and translate this knowledge to impact human and animal health and wellbeing.

You will be expected to manage your own academic research and administrative activities, reporting orally and in writing to both supervisors as required. You will need to adapt and develop new scientific techniques and experimental protocols, contributing intellectually to the project by testing and refining hypotheses and analysing data from a variety of sources. You will have the opportunity to collaborate in the preparation of scientific reports and journal articles, to represent the group at external meetings/seminars and should expect to participate and present data at group meetings.

You should hold, or be close to the completion of, a PhD/DPhil in physiology, pharmacology or a related discipline. Training in patch-clamp electrophysiology and/or imaging using fluorescent sensors is essential as well as sufficient specialist knowledge in the research area.

The post will be fixed-term for 3 years, funded by the BBSRC. Target start date for the project is 1 April 2020.

The closing date for applications is 12.00 noon on Monday 17 February 2020.

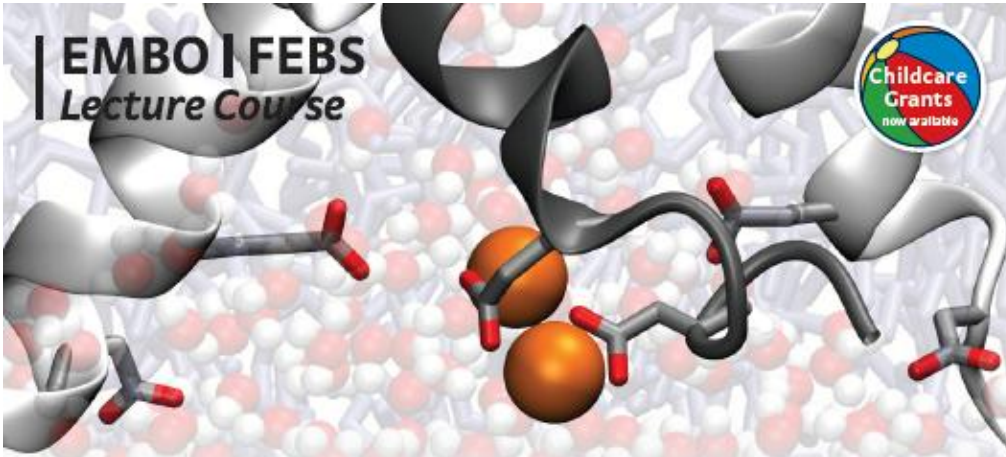
Contact Person : Administrator
Contact Phone :
Contact Email : admin@pharm.ox.ac.uk
Vacancy ID : 144984
Closing Date & Time : 17 -Feb -2020 12:00

https://my.corehr.com/pls/uoxtrecruit/erq_jobspec_details_form.jobspec?p_id=144984

https://www.linkedin.com/posts/paolo-tammaro-b3a44849_activity-6624280854506147840-oHJT

[CS] EMBO/FEBS Lecture Course on Ion Channels and Transporters, Erice, 17-23 May 2020

<http://meetings.embo.org/event/20-ion-channels>



**EMBO | FEBS
Lecture Course**

**Ion channels and transporters:
From molecule to man**

17 – 23 May 2020 | Erice, Italy

ORGANIZERS
Stephan A Pless
University of Copenhagen, DK

CO-ORGANIZERS
Alessio Accardi
Cornell University, US
Paolo Tammaro
University of Oxford, UK

REGISTRATION
Abstract submission deadline
1 March 2020

Student/ Postdocs.....600 EUR
Academic.....1000 EUR
Industry.....1000 EUR

CONTACT
Stephan Pless
STEPHAN.PLESS@SUND.KU.DK

SPEAKERS
Alessio Accardi
Cornell University, US
Andrea Bruggemann
Nanon Technologies, DE
Anna Moroni
University of Milan, IT
Baron Chanda
University of Wisconsin, US
Chris Miller
Brandeis University, US
Crina Nimigean
Cornell University, US
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Lucy Forrest
National Institute of Neurological Disorders and Stroke, US
Michael Pusch
Institute of Biophysics, IT
Nancy Carrasco
Vanderbilt University, US
Olga Boudker
Cornell University, US
Ramon Latorre
University of Valparaiso, CL

Paolo Tammaro
University of Oxford, UK
Simon Scheuring
Cornell University, US
Stephan A Pless
University of Copenhagen, DK
Stephen Tucker
University of Oxford, UK
Teresa Giraldez
University of La Laguna, ES

meetings.embo.org/event/20-ion-channels



[CONGR] [Ebsa] 7th International Iberian Biophysics Congress - First Announcement



The 7th International Iberian Biophysics Congress will take place in June 17 -19, 2020 in the city of Coimbra, famous for its university established in 1290, the oldest academic institution in the Portuguese -speaking world.

Please save the important dates:

March 15 : Final deadline for early registration fee

March 15 : Final deadline for abstract submission

April 30 : Final decision of contribution acceptance by the Scientific Committee

June 17 - 19 : Conference

Venue, travel and accommodation

Please visit the conference site for detailed practical information:

<https://iibc2020.organideia.pt>

Programme

The preliminary program, including invited speakers, is available at

<https://iibc2020.organideia.pt/programme/> (opens in browser)

<https://iibc2020.organideia.pt/wp-content/uploads/2019/12/Program-v1-December2019.pdf>

(download version)

It is organized in the following ten symposia:

- < New and Notable
- < Biophysics in Health
- < Biophysics in Industry
- < Protein Structure, Dynamics and Function
- < Nucleic Acids and Supramolecular Complexes
- < Channels, Receptors and Transporters
- < Cell Biophysics
- < Membrane Structure and Function
- < Computational and System Biophysics
- < Awards Symposium

Call for abstracts

Abstracts are invited for oral and poster presentations, and should be submitted using the online abstract submission system:

<https://iibc2020.organideia.pt/abstracts/>

Registration

Early bird registration is now open. Fee information and the online registration form are available at

<https://iibc2020.organideia.pt/registration/>

Grants

Travel bursaries will be available for young (PhD students and postdocs) attendees who are members of the Spanish (SBE) or Portuguese (SP Bf) Biophysical Societies, with additional support from the European Biophysical Societies' Association (EBSA) to young researchers outside the Iberian Peninsula.



Biophysics in Europe

Further information will be posted on the conference site in due course.

We welcome your participation and look forward to meeting you in Coimbra!
Kind regards (and seasonal greetings),
Maria João Moreno (Conference Chair)
Biological Chemistry Group, Coimbra Chemistry Center, Coimbra, Portugal

[CONF/MT] [Ebsa] 7th European Joint Theoretical/Experimental Meeting on Membranes (EJTEMM 2020) - May 6 - 8, 2020 Graz (Austria)

We announce the opening of the registration and abstract submission pages for the 7th European Joint Theoretical/Experimental Meeting on Membranes (EJTEMM 2020) - May 6 - 8, 2020 Graz (Austria) (<https://7th-european-membrane-meeting.uni-graz.at/en/>).

We are putting together an exciting meeting covering experimental and theoretical issues of:

- * Complex Membrane Mimetics
- * Membrane Curvature
- * Lipid Protein Interactions
- * Non-lamellar Phases
- * Membrane Active Peptides
- * Lipid Droplets

At the same time the meeting also marks the contributions of Karl Lohner to the field (so secrecy is still appreciated).

Invited Speakers:

- * Lise Arleth (Copenhagen University, Denmark)
- * Patricia Bassereau (Institut Curie, Paris, France)
- * Miguel Castro (Instituto de Medicina Molecular, Lisboa, Portugal)
- * Rumiana Dimova (Max Planck Institute, Golm, Germany)
- * Erik Lindahl (Stockholm University, Sweden)
- * Siewert Jan Marrink (University of Groningen, The Netherlands)
- * Luca Monticelli (CNRS, Lyon, France)
- * Maria Andrea Mroginski (Freie Universität Berlin, Germany)
- * Jesus Perez Gil (Universidad Complutense, Spain)
- * Sylvie Roke (EPFL, Lausanne, Switzerland)
- * Lorenzo Stella (Università di Roma Tor Vergata, Roma, Italy)
- * John Seddon (Imperial College, London, UK)
- * Robert Vácha (CEITEC, Brno, Czech Republic)
- * Hans Vogel (University of Calgary, Canada)
- * Anthony Watts (University of Oxford, UK)
- * Primož Zihlerl (Jozef Stefan Institute, Slovenia)

Registration fees (includes all meals and breaks):

- * Early regular (EUR 180), student (EUR 130).
- * Late regular (EUR 220), student (EUR 150).

PhD students and Postdoctoral fellows from the EU area may ask for support to attend meeting (EBSA bursary)

!Please note that the meeting is limited to 130 participants. We will follow the first come first serve rule for accepting registrations!

Dealines:

- * EBSA Bursary Application: February 23, 2020
- * Early Registration: March 1, 2020
- * Abstract Submission: March 1, 2020

Looking forward to welcoming you in the beautiful city of Graz in spring 2020,
Georg Pabst, University of Graz, Institute of Molecular Biosciences, Biophysics Division, Humboldtstr
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[Newsletter closed 27/01/2020]