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### [bySIBPA] XXVI Congresso SIBPA

Siamo quasi arrivati al [XXVI Congresso SIBPA](#) che si terrà dall'11 al 14 settembre nella splendida cornice dell'antico Conservatorio Santa Chiara a San Miniato, in Toscana. Il programma dettagliato è [online](#) ed è ancora possibile registrarsi sulla [pagina web](#). Non vediamo l'ora di rivederci!



### [CfPo] Postdoc at VIMM Institute of Padova, Italy

We are looking for a highly motivated candidate for a project titled: "Linking Cx32 hemichannel dysfunction to Charcot-Marie-Tooth pathogenesis". Since mutations in the GJB1 gene that encodes connexin 32 (Cx32) were first reported in 1993,



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more than 450 different mutations associated with the X-linked form of Charcot-Marie-Tooth disease (CMT1X) have been discovered. A path from genetic diagnosis to personalized treatment is still unavailable, as the molecular mechanisms underlying the disease remain unclear. A new paradigm for the molecular pathogenesis of CMT1X has recently been suggested to be no longer related to Cx32 paired gap junction channels, but rather to unpaired channels (hemichannels), which could mediate ATP-induced ATP release signaling regulating Schwann cell myelination. The objectives of this basic science project are: (i) to provide evidence that Cx32 hemichannel dysfunction underlies CMT1X pathogenesis; (ii) to develop in vitro assays that can be utilized to test candidate therapeutic compounds that will benefit patients affected by different CMT1X mutations.

The selected candidate will work at the Veneto Institute of Molecular Medicine (VIMM, <https://www.vimm.it/>) in the laboratory of Mario Bortolozzi, where state-of-the-art biological and biophysical facilities are available. The VIMM is an internationally recognized institute with the mission of establishing a close link between basic and clinical research and promoting translational research. The institute is a dynamic and stimulating environment, located in an attractive historical city close to Venice and the beautiful Dolomites Mountains.

Application are solicited from candidates holding a master's degree (or equivalent degree), with at least three years research experience, or a Ph.D. A scientific biophysical background involving fluorescence microscopy and electrophysiology is highly preferable. Candidates will also be evaluated based on motivation, flexibility and proved ability to work independently.

To apply for this position, candidates should send an email to [mario.bortolozzi@unipd.it](mailto:mario.bortolozzi@unipd.it) including:

1) a cover letter describing scientific experience, interests, and career goals; 2) full CV; 3) the names and contact information of at least two professional references.

Applications will be reviewed immediately and considered until the position is filled. Job salary: 30,000 euro/year (gross amount). Job hours: Full-time.

### [CfPo] Postdoc at Max Planck Institute, Göttingen

The Max Planck Institute for Multidisciplinary Sciences is a leading international research institute of exceptional scientific breadth. With more than 40 research



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groups and some 1,000 employees from over 50 nations, it is the largest institute of the Max Planck Society.

The research group for Computational Biomolecular Dynamics (Prof. Dr. Bert de Groot) is inviting applications for a Postdoc Position (f/m/d) on “Machine learning assisted alchemical free energy calculations” – from algorithm design to application to biologically challenging systems –.

The successful candidate has a keen interest and strong skills in computational molecular physics, structural biology, statistical mechanics, and scientific computing, a strong interest in interdisciplinary research and collaboration with experimental groups. You hold a PhD or equivalent degree in any of these or a related field.

What we offer: state of the art on site compute facilities; a team of 30+ expert colleagues; a family friendly, green campus with on-site kindergarten, and ample training opportunities.

Position details: the position is limited to two years with a possibility of extension. Payment and benefits are based on the German Public Service Payscale (TVöD Bund) guidelines. The starting date is flexible.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.

Applications will be reviewed on a rolling basis until the position is filled. Please submit your application including cover letter (explaining background and motivation), CV, transcripts, and publication record, preferably via E-Mail as a single PDF file to [ausschreibung43-22@mpinat.mpg.de](mailto:ausschreibung43-22@mpinat.mpg.de)

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### [CfPo] Postdoc at Centre de Physique Théorique Alan Turing

A postdoctoral position is available immediately in my lab at the Center for Theoretical Physics (CPT) in Marseille, France. The project will study the interactions of tissue flows with curvature in the fruit fly embryo, in a collaboration with the developmental biology team of Thomas Lecuit. A combination of analytical approaches, experimental data analysis, and computer simulation will be employed to examine how tissue-scale changes in Gaussian curvature interact with cell-scale processes during fly embryogenesis.

A recent preprint from our collaboration can be found here:

<https://www.biorxiv.org/content/10.1101/2022.07.13.499934v1>

The two-year position is fully funded by the Alan Turing Center for Living Systems (CENTURI, <http://centuri-livingsystems.org/>), an interdisciplinary research hub in Marseille that brings together physicists, biologists, engineers, and mathematicians. To apply for the position in my group (<http://centuri-livingsystems.org/m-merkel/>), please send cover letter, cv, and email addresses of two references to [matthias.merkel@cpt.univ-mrs.fr](mailto:matthias.merkel@cpt.univ-mrs.fr). Applications will be considered continuously until the position is filled.

Please do not hesitate to contact me for any informal inquiry regarding this offer.

Best regards,

Matthias Merkel

### [CONGR] Scientific Meeting on Cell mimicry: bottom-up engineering of life, London, 7<sup>th</sup>-8<sup>th</sup> of November 2022

Information at: <https://royalsociety.org/science-events-and-lectures/2022/11/cell-mimicry/>

Registration is free. The invited talks will be in-person, but there is the option of attending either in-person or virtually. The venue has capped numbers, so early registration is advised!

Many thanks!

Best wishes,

Professor John M. Seddon



### **[CONGR] Antibody Adsorption and Solution Stability**

A conference on "Antibody Adsorption and Solution Stability" will be held at the University of Manchester between 15th and 16th December 2022.

The deadline for Poster Abstract submission is the 30th of October.

Further information on the conference can be found here:

<https://iop.eventsair.com/aass22>

Best wishes,

John Seddon, Imperial College London, on behalf of the organizing committee.



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