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[bySIBPA] Canale YouTube della SIBPA

Comunichiamo ai soci che la SIBPA ha aperto un canale YouTube in cui è possibile rivedere i primi seminari condivisi in occasione della Settimana della Biofisica. Il canale è www.sibpa.it/youtube.

[CfPo] Postdoc Position at the Institute of Physics of the Polish Academy of Sciences

The postdoctoral researcher in computational biophysics will join the Division of Theoretical Physics at the Institute of Physics, Polish Academy of Sciences, to participate in the research project on “Biomolecular condensates of galectin-3” supported by the National Science Centre. The postdoctoral researcher will perform molecular dynamics simulations of galectin-3 condensates – both in aqueous solutions and at lipid membranes – using the MARTINI coarse-grained model (http://www.ifpan.edu.pl/ACTIVITY/2022-03-14_Postdoc_07-2022_EN.pdf).

Requirements:

- PhD in physics or a related branch of science;
- communicativeness and good command of spoken and written English;
- diligence at work and consistency in achieving results;



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- good knowledge of numerical methods in molecular biophysics;
- experience with molecular dynamics simulations of biological macromolecules;
- experience with the GROMACS package and the MARTINI force field will be considered strong assets.

Main research field: Physics

Sub Research Field: Theoretical Biophysics

Career Stage: PhD in physics or a related discipline obtained no earlier than in 2016

Type of Contract: Temporary (30 months)

Status: Full-time

Salary: approximately 8300 PLN per month (before ~ 30% taxes, exact amount depends slightly on applicable social security contributions)

More information can be obtained from Bartosz Różycki rozycki@ifpan.edu.pl

Application deadline: April 30, 2022.

[CfPo] Postdoc Positions at Umeå University, Sweden

The fellowships are funded by the newly launched “Excellence by Choice” Postdoctoral Programme, with Nobel laureate Emmanuelle Charpentier as patron, who discovered the CRISPR Cas 9 gene editing technology during her time as a scientist and group leader in Umeå. The programme is open to all nationalities. The “EC” Postdoctoral Fellows will:

Develop a collaborative project under supervision of at least two PIs; obtain 2 year full time fellowship exempt from tax (600 000 SEK), as well as grants for project running costs (300 000 SEK) and the fellow’s career development (20 000 SEK); access to UCMR/UPSC affiliated core facilities and technical platforms; participate in activities to strengthen networks and collaborations in academics and industry; involve in a strong postdoc community with the Umea Postdoc Society (UPS).

Applicants should have a PhD degree in a field relevant for the position, preferably completed no more than three years before the starting date of fellowship We aim to recruit up to six postdoctoral fellows in this round.

Applications should be submitted by April 3 rd 2022

Visit www.ucm.umu.se/ec-programme for application details.



[CfPo] Postdoc Position at University of Oulu, Finland

We are looking for a post-doctoral fellow or possibly a highly-qualified PhD student for a 3-year project (with an option for an extension of one year) in Prof. Inari Kursula group at the Faculty of Biochemistry and Molecular Medicine (FBMM), University of Oulu, Finland.

The overall aim is to understand the molecular mechanism of malaria parasite gliding motility. For this, we use a wide variety of structural biology and biochemical/biophysical methods. Our ongoing work is focused on (i) the polymerization and ATPase mechanism of actin, (ii) the structure and function of the glideosome-associated linker protein, and (iii) reconstructing the entire membrane delimited motor complex in vitro for structural and functional studies. The exact project will be agreed upon based on the experience and interests of the successful candidate.

The candidate should have either a PhD or MSc in a relevant field of science and have experience or at least a keen interest in all or several of the following: molecular biology and protein expression and purification; biophysical and biochemical characterization of proteins and their complexes; protein crystallography; electron (cryo) microscopy; light microscopy.

We welcome applications particularly from candidates willing and eligible to apply for competitive funding from national, European, and international sources. The project is funded by the Sigrid Jusélius foundation, and the candidate will receive a personal stipend (tax-exempt up to the limit defined by the Finnish tax authorities).

Informal inquiries and applications including a motivation letter, a CV, and contact information for 2-3 referees are to be sent to inari.kursula@oulu.fi. Applications will be considered until 15.4.2022 or until a suitable candidate has been identified. The starting date is as soon as possible.

[CfPo] Postdoc Position at Human Technopole

An ERC-funded 4 years PostDoc position is available in Francesca Coscia group, focused on unravelling the molecular basis of thyroid function and disease, using a combination of cell biology, light microscopy and cryoEM. This project also involves exchanges with other groups in Europe and US, The Istituto Auxologico



and the University in Milan. Details on the project here: “THYROMOL”
<https://erc.europa.eu/projects-figures/stories/erc-starting-grants-2021>

Our brand-new facilities at Human Technopole, Milan (Italy):
<https://humantechnopole.it/en/research/>

Informal enquiries are welcome at francesca.coscia@fht.org and below you find the application links:

<https://careers.humantechnopole.it/o/postdoctoral-fellow-coscia-group>

<https://twitter.com/FrancesCryoEM/status/1504027146544635907>

The deadline is 14th April.

[CfPo] Postdoctoral Research Position in Experimental Astrobiology at McMaster University, Canada

The Origins Institute at McMaster University in Hamilton, Ontario, Canada invites applications for a postdoctoral researcher position in experimental astrobiology and the origin of life starting July 1, 2022. The institute currently includes faculty, postdoctoral researchers, and graduate students from the Faculties of Science, Health Sciences, and Humanities. The institute runs a Collaborative Graduate Program in Astrobiology, involving 5 academic units and 6 graduate programs.

Facilities related to astrobiology research include the state-of-the-art Origin of Life Laboratory, featuring the unique Planetary Simulator, which provides an environment in which temperature, humidity, gas-composition, pressure, and radiation can be controlled. Additional origin of life infrastructure on campus and in member laboratories includes a high-performance computing cluster (SHARCNet), a Gas Chromatograph Isotope Ratio Mass Spectrometer, and a High Performance Liquid Chromatograph coupled to single quad MS and fluorescence detector.

Candidates must have completed a Ph.D. in a relevant discipline by the start date for the appointment. They must be able to demonstrate a vibrant research program in astrobiology and the origin of life defined broadly. They ideally possess experimental skills relevant to prebiotic organic chemistry, nucleic acid chemistry, biophysics & lipid membrane research, or in vitro molecular evolution and would be able to use the Origin of Life Laboratory and Planetary Simulator.

The position is funded fully for two years with the possibility for extension.

Complete applications must be input online at
<https://hr.mcmaster.ca/careers/currentopportunities/> (Faculty Positions, Job



44254) to the attention of J. R. Stone, McMaster University, 1280 Main Street West, Hamilton, Ontario, L8S 4K1.

All applicants will receive an online, system-generated confirmation that their application has been received; however, only short-listed applicants will be contacted for interviews.

[WS] OPTOGEN WORKSHOP

Dear colleagues and collaborators,

We are happy to announce that the next OPTOGEN workshop will take place between May 11-13th 2022 in Paris (<http://www.optogen.eu>).

The 7th edition of OPTOGEN will bring developers and end-users in the field of Optogenetics and Neurophotonic together. It will be a great occasion to meet in person for stimulating discussions and to reignite collaborations.

Registration and abstract submission are open. Early registration will close on April 15th. Thanks to the support of the IHU Foresight and of the sponsors, inscription is free for students registered before April 15th and some travel grants will be available.

The OPTOGEN2022 organizing committee

Valentina Emiliani, Dimitrii Tanese, Benoit Forget, Vincent De Sars, Laurence Tricot

[CS] Summer School Solvation Science

The integrated Graduate School Solvation Science (iGSS) within the Cluster of Excellence RESOLV holds its next annual Summer School from the 7th to 10th of June 2022 in Bochum, Germany.

The Summer School Solvation Science comprises two days of plenary lectures of international keynote speakers, one day with Workshops and Career part, and one day of experimental or theoretical hands-on courses. The lectures of the Summer School 2022 will take place on Tuesday 7th and Wednesday 8th of June and will focus on "Catalysis at Charged Interfaces", "Biomolecule Solvation", "Interface Solvation and Solvation under Confinement" and on "Molecular/Biology Systems under Extreme Conditions".

For our Career part, we welcome guests from the chemical industry and from a scientific journal. The Summer School participants will actively take part in panel discussion to gain more information about career opportunities outside from



academia. In addition, a Workshop part with 5 different subjects is scheduled as well.

We have a small number of *places available for Master or PhD students*.

Interested students can apply to participate in our Summer School by sending their CV with contact details and affiliation together with a one-page letter of motivation to igss@rub.de until *Sunday, 3rd of April 2022*.

After the review of the applications by the organizers the applicants will be notified if they are accepted for participation. For exceptional Master and PhD students, *travel cost stipends* can be granted.



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