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[bySIBPA] XXVI Congresso SIBPA

Ricordiamo ai soci che sono aperte le iscrizioni 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.

La registrazione scontata per il congresso deve avvenire entro il 15 luglio, secondo il template presente sulla [pagina web](#).

Speriamo di vedervi numerosi a settembre!

[WS] Biophysics of polyglutamine aggregation

Dear colleagues,

Markus Miettinen and I are hosting an online networking event entitled "Biophysics of polyglutamine aggregation: how does it start and how does it end?". This event will take place on Zoom, it is sponsored by the Biophysical Society, and will happen on July 6th from ca. 15:00 CET until 18:30 CET. We would like to encourage you to participate and register:

We have invited a range of speakers who will cover different aspects of the biophysics of polyglutamine protein aggregation, from work with purified proteins to cellular and organismal studies. The main three speakers exemplify this range, being:

1. Tessa Sinnige (Assistant Professor; Utrecht Univ., Netherlands)



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www.sibpa.it/youtube

2. Randal Halfmann (Associate Professor, Stowers Institute, Kansas, USA)
3. Ashwani Thakur (Professor, Indian Institute of Technology Kanpur, India)

We also have a line-up of junior speakers from various different labs, covering topics including modeling, experimental studies, structural characterization and more. All in all, we hope that this will present an opportunity to share our thoughts (and network) related to the biophysics of polyQ protein aggregation, and the opportunities and challenges of connecting ongoing studies with purified proteins to crucial insights obtained in cells and in vivo. The event seemed timely to us, given the exciting new findings coming out, which are really enhancing our understanding of these fascinating proteins and opening up new areas of investigation and collaboration.

For more information and to register, please go to the [BPS site page](#)

Registration is totally free, but it does require the creation of a BPS account (which is also free), if you don't already have one.

We have very few short talk slots open and welcome suggestions for junior investigators (PhD/Postdoc) who could possibly contribute a relevant presentation.

We hope to see you there. Please feel free to share this information with others! For questions please contact us by email. (markus.miettinen@mpikg.mpg.de or p.c.a.van.der.wel@rug.nl)

Best wishes,

Patrick van der Wel & Markus Miettinen

[CfPo] 13 PhD Positions “Cytoskeletal elements of active matter – from molecular interactions to cellular biophysics

We have 13 open PhD position in *Biophysics of the Cytoskeleton* within our newly funded Research Training Group "Cytoskeletal elements of active matter – from molecular interactions to cellular biophysics (CYTAC)" (<https://www.uni-goettingen.de/de/661287.html>).

The PhD students enrolled in this program will investigate different aspects of the cytoskeleton. The cytoskeleton is a complex network of protein filaments of living cells. It is responsible for mechanical and dynamic properties of the cell and thus instrumental for many important cellular functions. CYTAC is devoted to covering all length scales involved - from the level of individual molecules, through mesoscopic filaments and membranes, all the way to cells. Naturally,



this research is performed in a highly interdisciplinary manner and involves physics, physical and bio-chemistry, cell biology and mathematical data analysis. The RTG 2756 offers a vibrant academic environment, joint supervision of PhD candidates by thesis committees, and a structured study program with many opportunities to improve scientific and personal skills. Research groups in the following fields are offering PhD projects: experimental biophysics, theoretical biophysics, x-ray physics, physical chemistry, biomolecular chemistry, applied mathematics, and cell biology. You can find detailed information on the individual positions online at <https://www.uni-goettingen.de/de/research/661405.html#listofprojects> . General information on the RTG 2756 is available at www.uni-goettingen.de/rtg2756 .

Many thanks and best regards,

Prof. Dr. Sarah Köster

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www.uni-goettingen.de/koesterlab

[CfPo] International PhD project at the University of Strasbourg

The Bioelectrochemistry and Vibrational Spectroscopy Group in the Faculty for Chemistry and the UMR 7140 of the University of Strasbourg offers a PhD position, fully funded, to work on an exciting, multi-disciplinary project. The group has expertise in a variety of research areas including electrochemistry, infrared / THz and Raman spectroscopies and applied on biological molecules. The group has strong international collaborations with laboratories based in Europe and abroad.

We invite applications from highly motivated individuals who hold a master degree (or equivalent) and who are available to start in September 2022.

The thesis is a part of an ambitious research program that aims at the development of sensors based on surface enhanced vibrational spectroscopies and using gold and graphene for the study of the proteins and their inhibition. The project addresses today's urgent need for new sensing techniques, which



will hopefully lead to new antimicrobial drugs that act with novel molecular and cellular mechanisms. Our ambition is to validate membrane proteins from membrane proteins, as privileged targets for future antibacterial drugs. The project provides an unique opportunity for the successful candidate to engage in inter-disciplinary research using a variety of experimental techniques at the interface between physical chemistry and biophysics. A background in biophysics or physical chemistry with a strong interest in biochemistry is desirable. Knowledge in spectroscopy and plasmonics is a plus. Applicants should have excellent communication skills and sufficient command of English.

The laboratory (<http://complex-matter.unistra.fr/>) is located close to the center of Strasbourg (France) and the university of Strasbourg (<http://www.unistra.fr/>) is in the upper Rhine area, that includes a number of excellent universities (<https://www.eucor-uni.org/en/>).

For application and further information, please send a cover letter along with a CV, the results of your master (bachelor), a short description of your motivation and other research activities and including the contact details of two references to hellwig@unistra.fr latest the 20 of July. The documents sent should not exceed 5 MB. Please note that incomplete applications will not be considered.

[CfPo] Postdoc Positions in Leeds

I am emailing to alert you all that I have two postdoc positions currently available in my lab on the biophysics and biochemistry/cell biology of amyloid formation. Additional postdoc posts are also coming available later in the year.

We have a great group of Amyloid researchers and super facilities here for biophysics and structural molecular biology in the Astbury Centre at Leeds (www.astbury.leeds.ac.uk). Here are the links to the first two positions currently advertised: [1](#) and [2](#)

Please do apply and share the opportunities with your friends and colleagues.

Best wishes,

Sheena E. Radford, OBE, FMedSci, FRS

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