

- **Calls for Positions [CfPo]**
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[CfPo] PhD position in London

Applications are invited for the funded PhD studentship

“Computational modelling of myosin mutants for the treatment of congenital myopathies” starting in September 2022 in Dr. Arianna Fornili’s group at Queen Mary University of London (<https://afornililab.wordpress.com>) and in collaboration with Dr Julien Ochala (KCL/University of Denmark).

More information can be found at:

<https://www.findaphd.com/phds/project/computational-modelling-of-myosin-mutants-for-the-treatment-of-congenital-myopathies/?p139180>

Deadline for applications: 30 January 2022.

Arianna Fornili

Senior Lecturer in Computational Organic Chemistry

School of Physical and Chemical Sciences

Joseph Priestley Building (room G.04)

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Mile End Road

E1 4NS London UK

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[CfPo] Mechanics of Life Leverhulme Doctoral Scholarship Programme

The Leverhulme Doctoral Scholarship Programme 'Understanding the Mechanics of Life' is aimed at students with a degree either in the physical sciences (i.e. physicists, chemists, mathematicians, materials scientists, engineers, computer scientists) or in the biological sciences (i.e. biologists, biochemists, physicians) who show a deep interest in unlocking the complexity and challenges of mechanobiology. We are interested in recruiting an academically excellent cohort, with complementary skills, curiosity, creativity, and aptitude to enthusiastically respond to challenging problems.

Before applying, please see <https://www.kcl.ac.uk/nmes/research/leverhulme-dsp>. Please note that applications that do not follow the steps in the application guidance document will not be considered.

The DSP has several recruitment rounds. It is recommended that you apply as early as possible as spaces may be filled up in the first round.

The current recruitment round deadlines are:

Thursday 20th January 2022

Thursday 24th March 2022

Thursday 26th May 2022

[CfPo] PhD position in Biophysics in Amsterdam

Plants have evolved elaborate feedback mechanisms to protect themselves from excess sunlight, which involve rearrangement and structural dynamics of light-harvesting proteins in the photosynthetic membrane. The candidate will employ advanced time-resolved infrared and fluorescence spectroscopy to assess in vivo protein structural dynamics in photosynthetic membranes, and thereby solve an important puzzle in our understanding of photoprotection in photosynthesis. This project is part of the recent consortium grant Nanoscale Regulators of Photosynthesis, with research partners at Vrije Universiteit Amsterdam, Wageningen University and Research, Leiden University and Groningen University.

Your duties: establish the experimental conditions to perform in vivo infrared spectroscopy on photosynthetic membranes; operate a state-of-the-art frequency-comb quantum cascade laser (QCL) infrared spectrometer; integrate a PAM fluorometer in the QCL infrared setup; perform time-resolved fluorescence experiments in vivo and data analysis; prepare photosynthetic



membrane samples for experimentation; Write and defend a doctoral thesis on the basis of your own experimental work.

Requirements: MSc degree in Physics, Physical Chemistry or related disciplines, knowledge of and experience with optical spectroscopy, interest in working in a multidisciplinary environment, excellent command of English.

What are we offering: A challenging position in a socially involved organization. On full-time basis the remuneration amounts €2,395 (PhD) per month during the first year and increases to €3,061 (PhD) per month during the fourth year. The job profile: Promovendus, is based on the university job ranking system.

The initial employment contract is for 1 year and will be expended for an additional three years upon positive evaluation. Additionally, Vrije Universiteit Amsterdam offers excellent fringe benefits and various schemes and regulations to promote a good work/life balance. If you interested in this position, send an email to John Kennis or Roberta Croce with your curriculum vitae and cover letter before January 15, 2022.

John Kennis, j.t.m.kennis@vu.nl, Telephone: +31205987212

Roberta Croce, r.croce@vu.nl, Telephone: +31 20 59 86310

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

The postdoctoral researcher 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.

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



More information at http://www.ifpan.edu.pl/ACTIVITY/2021-11-26_Postdoc_56-2021_EN.pdf

[CONF] International Membranes Biophysics Meeting - May 23rd to 25th 2022 in Drübeck

Dear Colleagues,

it is a pleasure for us to invite you to the International Membranes Biophysics Meeting of the German Biophysical Society to be held May 23rd to 25th 2022 in Drübeck, Germany. Next year's workshop focuses on complex biophysical properties of membranes and proteins embedded in them. In good tradition, we have invited prominent international guests to this meeting of the membrane biophysics community in Germany. The interdisciplinary meeting traditionally enjoys a very friendly, informal atmosphere, connecting generations of biophysicists.

We highly encourage junior researchers but also established researchers to contribute to the program of the meeting and submit abstracts. Final deadline is February 6th 2022. All poster presenters are invited to contribute a poster flash presentation, details will be sent out with the abstract allocation. The workshop will take place in Saxony-Anhalt at the Drübeck Monastery, a former nunnery Benedictine monastery in the protected landscape area of the north-eastern Harz foreland, close to Wernigerode and Goslar. The registration fee includes accommodation and all meals. In order to keep participation affordable, double rooms will be available at reduced cost, first come first served. Students, doctoral researchers and postdocs can apply for travel awards before January 20th 2022.

There is a piano and we invite you to bring along your musical instruments.

For further information please refer to the society homepage:

dgfb.org

We are looking forward to meeting you in Drübeck in May 2022!

Best regards,

Peter Hildebrand, Radek Šachl and Petra Riegerová

