



KØBENHAVNS UNIVERSITET



Postdoc for the study of the barrier to resistance and molecular mechanisms of viral escape from novel broad-spectrum antivirals at the Copenhagen Hepatitis C Program (CO-HEP), Department of Immunology and Microbiology

Faculty of Health and Medical Sciences
University of Copenhagen

We are looking for highly motivated and dynamic researcher(s) for a 2-year postdoc position, to commence 6 January 2020 or after agreement, to perform studies on the molecular mechanisms of viral escape to nucleotide analogues with broad-spectrum antiviral properties across model RNA viruses. The work is focused on the analysis of viral RNA polymerase mutants by using enzymatic and protein structure methodology.

Information on the department can be found at: <https://isim.ku.dk>.

Our research

The project will be conducted at the Copenhagen Hepatitis C Program (CO-HEP), a joint venture between Copenhagen University Hospital, Hvidovre, and the Department of Immunology and Microbiology, University of Copenhagen (<https://isim.ku.dk/research/cohep>). CO-HEP is an international research environment with over 30 investigators from numerous countries, worldwide, including Master and Ph.D. students, postdocs, assistant and associate professors. CO-HEP provides a highly supportive framework for the multidisciplinary study of viruses, with a network of relevant international collaborators. The project will be supervised by Professor Jens Bukh, research director of CO-HEP and whose work has focussed on positive-stranded RNA viruses with major contributions to the development of in vitro and in vivo experimental systems to study hepatitis C virus (HCV) and related viruses, including the study of antiviral resistance. Professor Bukh is the recipient of the 2015 Novo Nordisk Prize and the 2019 Novo Nordisk Foundation Distinguished Investigator Award.

Your job

RNA viruses are responsible for significant morbidity and mortality, worldwide. We aim at elucidating molecular mechanisms responsible for how different RNA viruses develop resistance to novel and potent broad-spectrum antivirals, which are promising strategies to fight virus diseases, including emerging and re-emerging viruses.

We are undertaking a multi-disciplinary approach including the use of culture systems, biochemical and genetic evolution analysis, and animal models. Your tasks would include the development and implementation of methodologies to perform biochemical and structural analysis of viral polymerases with drug-resistance mutations. Pathogens of particular interest for this project include hepatitis C and E viruses, flaviviruses (tick born encephalitis, yellow fever, zika), and alphaviruses (sindbis, chikungunya).

Profile

We are looking for highly motivated and enthusiastic scientist(s) with the following competencies and experience:

Essential experience and skills:

- You have a Ph.D. in protein biochemistry, structural biology or related fields. Applicants expecting to obtain the Ph.D. degree in the near future are also encouraged to apply.
- You are highly experienced in protein expression, protein chemistry, enzymology, or protein structure analysis.
- You have an active interest in studying viruses, antivirals, and drug-resistance.
- Proficient communication skills and ability to work in teams.
- Excellent English skills, written and spoken.

Desirable experience and skills:

Contact

Jens Bukh

[E-mail](#)

About the position

Workplace: Department of Immunology and Microbiology

Work hours: Full time

Hiring type: Fixed-term employment

[Tip en ven](#)

[Print](#)

Links

Homepage: <http://isim.ku.dk/dansk/>

Advice for your application:

<http://jobportal.ku.dk/alle-opslag/>

Apply for position

Application due: 10/13/2019

[Apply](#)



- Experience with in vitro studies of RNA dependent RNA polymerases.
- A strong publication record, including publications as co-authors or first author in high quality internationally recognized journals.
- You will be expected to drive your research with independence and initiative, but also to interact well within the program.

Place of employment

The place of employment is at the Department of Immunology and Microbiology, University of Copenhagen. The physical workplaces are Copenhagen University Hospital, Hvidovre, (Department of Infectious Diseases) and the Mærsk Tower at the Panum Institute (Department of Immunology and Microbiology, University of Copenhagen). We offer creative and stimulating working conditions in a dynamic and international research environment. Our research facilities include modern and qualified laboratories and state-of-the-art equipment.

Terms of employment

The employment as postdoc is a full time and fixed-term position for 2 years with possibility for extension based on performance. Starting date is 6 January 2020 or after agreement.

Salary, pension and terms of employment will be in accordance with the agreement between the Danish Ministry of Finance and AC (Danish Confederation of Professional Associations). Currently, the monthly salary starts at 33,600 DKK/ approx. 4,480 Euro (April 2019-level). Depending on qualifications, a supplement may be negotiated. The employer will pay an additional 17.1 % to your pension fund.

Non-Danish and Danish applicants may be eligible for tax reductions, if they hold a Ph.D. degree and have not lived in Denmark the last 10 years.

The position is covered by the "Memorandum on Job Structure for Academic Staff at the Universities" of June 28, 2013.

Questions

For further information please contact Jens Bukh; jbukh@sund.ku.dk; www.sund.ku.dk.

Foreign applicants may find this link useful: www.ism.ku.dk (International Staff Mobility).

Application procedure

Your online application must be submitted in English by clicking 'Apply now' below. Furthermore, your application must include the following documents/attachments – all in PDF format:

1. Motivated letter of application (max. one page).
2. CV incl. education, work/research experience, language skills and other skills relevant for the position.
3. A certified/signed copy of **a)** Ph.D. certificate and **b)** Master of Science certificate. If the PhD is not completed, a written statement from the supervisor will do.
4. List of publications.

Application deadline: 13 October 2019, 23.59 pm CET

We reserve the right not to consider material received after the deadline, and not to consider applications that do not live up to the above-mentioned requirements.

The further process

After the expiry of the deadline for applications, the authorized recruitment manager selects applicants for assessment on the advice of the hiring committee. All applicants are then immediately notified whether their application has been passed for assessment by an unbiased assessor. Once the assessment work has been completed each applicant has the opportunity to comment on the part of the assessment that relates to the applicant him/herself.

You can read about the recruitment process at <http://employment.ku.dk/faculty/recruitment-process/>.

The applicant will be assessed according to the Ministerial Order no. 242 of 13 March 2012 on the Appointment of Academic Staff at Universities.

Interviews are expected to be held 28 October - 27 November 2019.

University of Copenhagen wish to reflect the diversity of society and welcome applications from all qualified candidates regardless of age, disability, gender, nationality, race, religion or sexual orientation. Appointment will be based on merit alone.

Part of the International Alliance of Research Universities (IARU), and among Europe's top-ranking universities, the University of Copenhagen promotes research and teaching of the highest international standard. Rich in tradition and modern in outlook, the University gives students and staff the opportunity to

9/24/2019

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cultivate their talent in an ambitious and informal environment. An effective organisation – with good working conditions and a collaborative work culture – creates the ideal framework for a successful academic career.