

## Professor in Chemical Biology

DTU Chemistry at the Technical University of Denmark invites applications for a position as professor in Chemical Biology.

DTU Chemistry is a department with the overall mission of contributing to research, development and education within the following scientific areas: Advanced and Applied Chemistry with strong activities in Organic, Inorganic, and Physical Chemistry

The professor will be attached to the section for Organic Chemistry, one of the three areas comprising the Department which employs 140 persons including presently a faculty of 27. The professor is expected to interact closely with the other faculty members in Organic Chemistry, as well as faculty from other DTU departments and other universities.

### Responsibilities and tasks

The position covers research and research-based teaching including:

- Research and scientific dissemination
- Research-based teaching (with associated examination commitments)
- Research leadership – in order to strengthen and develop the specific field
- External collaboration
- Other duties:
  - Innovation and/or public-sector consultancy
  - Knowledge-exchange with society at large
  - Educational guidance and supervision of assistant professors and researchers (postdoctoral fellows and PhD students)
  - Academic assessment work.

The main focus of the position is to strengthen the Department's research and education in chemical biology, using the tools and methodology of organic chemistry (particularly organic synthesis) to probe and understand biological systems at the molecular level. This will involve *inter alia* development of new synthetic methodology for the systematic production of molecular libraries directly relevant to early drug discovery programs, as well as biological screening.

The professor will have the responsibility to initiate, supervise, and communicate fundamental and applied research in the field of chemical biology. The educational responsibilities will include a broader range of topics within organic chemistry.

The professor should develop the above mentioned research areas at DTU Chemistry in fruitful collaboration with relevant staff at the department and should establish strong links to other departments at DTU and departments at other Danish and international universities. It is important that the professor will contribute to the increasing industrial collaboration of DTU Chemistry, in particular by forging strong links to the pharmaceutical industry in Denmark and abroad.

This also implies securing major external funding for the area and initiating new projects to strengthen and develop chemical biology in Denmark.

The successful candidate is expected to take a lead position in teaching at the bachelor-, master- and PhD levels.

### Qualifications

Notable achievements will be expected within research/innovation and research-related leadership, and generally achievements in extension of the qualifications stipulated for the position, which are:

- Extensive original scientific output at international level that has been instrumental in advancement of the field in question
- Documented and successful teaching or dissemination experience at different levels within academia

Requirements for the position are:

- A strong background in, and an innovative approach to, synthetic organic chemistry relevant for the design and systematic generation of high-quality molecular libraries suitable for biological screening
- A track record of academic cross-disciplinary collaboration
- Experience with industrial collaborations, both nationally and internationally, particularly within the pharmaceutical sector

### **Assessment**

In the assessment of the candidates consideration will be given to

- the ability to teach
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area
- visions within the research area

### **Salary and terms of employment**

The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

### **Further information**

Further information may be obtained from Head of Department, Professor Erling H. Stenby, +45 4525 2012/ +45 2261 6875.

You can read more about DTU Chemistry on [www.kemi.dtu.dk](http://www.kemi.dtu.dk)

### **Application procedure**

We must have your online application by **XXX 2013**. Apply online at [www.career.dtu.dk](http://www.career.dtu.dk).

Applications must be submitted as **one pdf file** containing all materials to be given consideration. To apply, please open the link "Apply online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter) addressed to the President
- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.