Professor (with special responsibilities) in Cell Factory Engineering

DTU Bioengineering at the Technical University of Denmark invites applications for a position as Professor (with special responsibilities) in Cell Factory Engineering.

Department for Bioengineering addresses important societal and scientific challenges in the areas of biotechnology, biomedicine, food technology and human health. The department covers both basic and applied research and uses a range of fundamental techniques from scientific disciplines such as biochemistry, chemistry, cell biology, immunology, microbiology, bioinformatics and bioengineering. The department houses instrumental research platforms ensuring state-of-the-art analytical capabilities in fermentation and high-throughput screening, metabolome-based mass spectrometry, proteomics and genomics. The department consists of 160 employees, of which approx. 20 faculty and more than 80 PhD students and postdocs.

Responsibilities and tasks
The position covers teaching, research, and innovation activities and the successful candidate will be expected to contribute to:

- Academic leadership developing the specific field
- Research-based teaching
- Research and scientific dissemination within the area of the professorship
- Collaboration with other research groups within the department and other university departments, such as DTU Biosustain
- External (national and international) collaboration
- Contribution to the strategic development of DTU Bioengineering
- Contribution to the development of the DTU Life Science sector
- Contribution to scientific advice where appropriate.

The successful candidate is expected to have extensive relations to international research groups and should actively participate in the effort of obtaining external funding from Danish, European or other international funding agencies for research activities.

Also it is expected to participate in teaching at the bachelor-, master- and PhD levels.

A position as Professor with Special Responsibilities is held for a limited time period and involves all the usual duties associated with a full professorship, as well as fixed-term specific duties which will vary according to the research program

Qualifications
The successful candidate should document scientific excellence within eukaryotic microbial biotechnology – especially within the fields of fungal and mammalian cell factories, but also generally applied research within eukaryotic biotechnology

Additional requirements include:

- A documented high level of original scientific production at international level
- A solid track record of acquiring external funding
- The ability to lead experimental and computational research within fungal and mammalian biotechnology.
- Significant and well-documented experience in teaching and research supervision. Experience coordinating and developing new courses is highly desirable.
- Documented experience in at least one, and preferably several of the following fields:
    - Research management, including handling management tasks in national or international projects, research programmes, congresses, etc.
    - Teaching experience at various levels on the University's study programmes
    - Innovation, including building up patent areas, applying research results in a commercial context, etc.

Assessment
In the assessment of the candidate consideration will be given to

- the candidate's qualification for handling the special, function-related assignment(s) that are associated with the position
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to teach
- 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 internal and external cooperation
- the ability to attract funding to the research area
- visions within the research area

For the specific position consideration will also be given to:

- Experience with establishing a research group and a lab
- A strong international research network
- Ability to teach within cell factories in general and cell factory engineering in particular
- A track record for scientific productivity and succes at securing external funding
- A documented history of developing high quality teaching

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

The position is available for a 5-year period and may be extended for up to 3 years more.

Further information
Further information may be obtained from Acting Head of Department Marianne Thellersen, +45 4525 1008.

You can read more about DTU Bioengineering, www.bioengineering.dtu.dk.

Application procedure
Please submit your online application no later than **XXXXXXX.**

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
- Diploma (MSc/PhD)
- List of publications indicating scientific highlights
- H-index, and ORCID (see e.g. http://orcid.org/)
- Documentation for teaching experience (e.g. in the form of a teaching portfolio)
- A plan for future research

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