

Scientist needed for Nanobody Discovery and Protein Engineering

We are looking for a scientist within the field of nanobody discovery and protein engineering from the 1st of October 2020 (or soon thereafter). The position will involve laboratory work, collaboration with academic partners, and support and collaboration to our scientific team.

About Bactolife™

Bactolife is a leading company in the field of pathogen neutralization for maintaining gastrointestinal health using Virulence Inactivating Proteins (VIPs)™. We use this proprietary technology for developing novel biological solutions against gastrointestinal infections in humans and animals with the mission of helping solve the daunting challenge of antimicrobial resistance (AMR) development and the general burden of infectious diseases. In Bactolife, we understand that we need to revise the way we treat and handle infections. As infants are protected from pathogens by maternal antibodies present in breastmilk, Bactolife's VIPs emulate such protection by binding to virulence factors (i.e. toxins and adhesins), thereby reducing virulence of pathogens. We strive towards generating measurable impact on society and bioeconomy by application of frontier protein science and research excellence.

See more:

<http://www.bactolife.com>

Responsibilities and tasks

Bactolife is a fast-growing company with exceptionally collaborative and entrepreneurial DNA at its core. The candidate should, therefore, enjoy working in a fast-moving and professional environment with a strong startup spirit and a drive towards scientific excellence. The candidates should be interested in facilitating the transition of scientific discoveries into inventions and innovations that can help create value for society and the environment.

The candidate will be engaged in heterologous expression and purification of recombinant proteins, biochemical and biophysical characterization, and assay development within the fields of nanobody discovery, synthetic biology, and medical microbiology.

The position will be located at the DTU Lyngby campus, Department of Biotechnology and Biomedicine, in a newly established research building hosting ultra-modern laboratories for antibody discovery and phage display technology with neighboring laboratories with state-of-the-art facilities for protein science and proteomics.

Qualifications

Applicants should hold at least an M.Sc. degree in a relevant life sciences discipline, have excellent communication skills in English, and be trained in either antibody discovery techniques, protein biochemistry, protein engineering, and molecular/synthetic biology. In Bactolife, we highly value collaboration, and it will be expected that the candidate can demonstrate that he/she has a track record for successfully collaborating with his/her peers.

It is beneficial (but not mandatory) if the applicant has experience with one or more of the following techniques:

- Molecular biology (PCR, cloning)
- Heterologous protein expression and purification
- Synthetic biology



- ELISA
- SDS-PAGE
- Phage display technology

Further Information

Additional information may be obtained from Co-founder & VP of R&D Sandra Thrane, swt@bactolife.com

Application procedure

Please submit your online application no later than **10th of September 2020**.

Applications must be submitted as **one PDF file** containing all materials to be given consideration. To apply, please send your application by e-mail to swt@bactolife.com, and attach **all your materials in English in one PDF file**. The file must include:

- Application (cover letter)
- CV
- Grade transcripts and BSc/MSc diploma
- List of publications (if available)
- Names and contact details of 2 academic referees

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply. However, the candidate must already have a valid work permit for working in the European Union.

