

## Job Description

### Research and Development Scientist, Public Health

Location: USA  
Start Date: April 2023 - Full Time

#### About the Company

*At **VESTERGAARD** we bring together talented people who are committed to improving the health and well-being of some of the world's most vulnerable people.*

*For more than two decades, Vestergaard has pioneered scientific progress through innovation, technology and multi-sectoral partnerships to create world-leading products designed to help decrease the number of malaria-related deaths in Sub-Saharan Africa and South East Asia.*

*Our public health business is led by PermaNet<sup>®</sup>, a portfolio of long-lasting insecticidal-treated bednets (LLINs).. PermaNet<sup>®</sup> long-lasting insecticidal bednets play a leading role in the fight against malaria. We believe malaria is an unnecessary human tragedy, we are passionate about finding better, more decisive, solutions to eliminate malaria, especially in the face of growing insecticide resistance. We are committed to prevention, rather than the cure, as the most cost-effective approach to protecting millions of people's lives. Our nets are manufactured using leading-edge science, technology, and best-practice quality management systems. In addition to the PermaNet<sup>®</sup> portfolio, our disease-control products include ZeroFly<sup>®</sup> bags for food security, SmartNet (digital network initiative) and GroR<sup>®</sup>, an innovative storage technology aiming at reducing post-harvest losses. The GroR<sup>®</sup> model increases the net income and decreases the economic risk of small holder farmers.*

*Today, we are proudly B Corp certified with an aim to balance purpose and profit. This certification is a demonstration of our commitment to meeting the highest verified standards of environmental, social and governance performance, public transparency and legal accountability.*

*We believe that doing good is good business. We are a member of the United Nations Global Compact (UNGC) since 2006 and have aligned our business objectives with the UN Sustainable Development Goals.*

*Founded in 1957, the company is headquartered in Lausanne, Switzerland, with offices around the world where our highly skilled, and diverse staff members work with stakeholders to ensure global reach with local support. Vestergaard is proud to be a valued and trusted partner to governments, aid agencies, NGOs, faith-based groups and the private sector.*

#### Position and Responsibilities

The Research & Development Scientist reports to the Head of Research & Development. The position's main responsibility is to develop a next generation long lasting insecticidal bed nets (LLIN) based on current company multi generation product portfolio. The position will be based in USA; the ideal candidate should reside in the research triangle area, North Carolina to have good access to our current contracted research partners. The position implies a significant commitment to international travel.

The development of our products encompasses the design, planning, trial and validation of disease-control textile prototypes. It covers all aspects of the R&D process until the early production phase, as well as support for colleagues in other departments on an ad-hoc basis after the product has been launched.

The major responsibilities:

1. Formulation development for bed net impregnation processes including insecticide dispersion
2. Create lab/pilot prototypes of next generation LLIN at NCSU or other contracted lab facilities
3. Coordinate bio-efficacy testing of the research prototypes with contracted entomology labs.
4. Support Vestergaard manufacturing team to scale-up new LLIN formulations from lab to pilot to manufacturing processes, contribute to process improvement and new analytical method.
5. Assist Head of R&D in strategic research and development projects.

### Key competencies

- Excellent organizational skills and attention to detail within a fast-changing environment.
- Hands-on and self-motivated with strong interpersonal skills and experience in building working relationships with people at all technical levels and in various cross-cultural settings.
- Strong analytical capabilities for complex system are critical.
- Proven ability to take initiative and work independently; effectively manage own work and that of others.
- Strong writing skills and ability to produce reports and other technical documents.
- Knowledge and actions that support equality, diversity, and inclusive practice.
- Domestic and international travel up to 40% required.

### Education and Experience

- Master or Ph.D. degree in Chemistry, Material Science/Engineering or Textile Chemistry
- 7+ years' experience in product development particularly in technologies to control the migration/release of active ingredients.
- Extensive textile processing experience is a must. Experience and knowledge in colloidal chemistry is a bonus.
- Advanced proficiency in Microsoft Office (Word, Excel, PowerPoint, Access).
- Fluency in English essential.

### Application

We look for people who will show up as their whole self because at Vestergaard we value diversity, equity and inclusion. We believe that diversity, equity and inclusion are critical to our ongoing success. We are an equal opportunity employer, our team works hard to build respect, dignity and equity into all that we do. We seek to recruit, develop and retain the most talented, driven and entrepreneurial-minded people with diverse backgrounds and experiences.

If you possess the above qualifications and the drive to meet the challenges, please send your cover letter and CV to [jobs@vestergaard.com](mailto:jobs@vestergaard.com). We will only respond to electronic applications and to shortlisted applicants.

For more info on company go to:

[www.Vestergaard.com](http://www.Vestergaard.com)

Youtube: [www.youtube.com/user/VestergaardFrandsen](http://www.youtube.com/user/VestergaardFrandsen)