Dr Eleanor Marsh

Research Scientist

Cambridge | 07700 900275 | eleanor.marsh@example.com

Profile

Research scientist with a PhD in biochemistry and four years in industry, developing protein assays at a biotechnology company. Plans experiments from design to analysis, writes up results for papers and grant applications, and developed a potency assay that quality control now runs on every batch. Looking for a senior scientist role leading a small assay development team.

Experience

Research Scientist | Fenwold Biologics, Cambridge 2022–present

- Design and run protein expression and binding experiments for three antibody programmes, about 40 plates a week.
- Developed a cell-based potency assay that cut the time to a result from five days to two; quality control now runs it on every batch.
- Record methods and results in the electronic lab notebook and analyse them in GraphPad Prism and Python.
- Co-wrote a successful £480,000 Innovate UK grant application for a new assay platform.
- Supervise two industrial placement students a year on their own projects.

Postdoctoral Research Associate | Wexham University 2021–2022

- Department of Biochemistry: studied how a bacterial enzyme binds its targets and presented the results at two national conferences.

Education

PhD Biochemistry | Wexham University 2017–2021
BSc (Hons) Biochemistry, First | Northmoor University 2014–2017

Publications

- First author, two peer-reviewed papers on how bacterial enzymes bind host proteins (2021, 2023)
- Co-author, three papers from the Wexham University group (2020–2022)
- Co-inventor, one patent application on a potency assay (2025)

Skills

Assay development and validation; protein expression and purification; cell culture and flow cytometry; statistics in GraphPad Prism and Python; grant, paper and report writing; supervising students.

Additional information

Member of the Royal Society of Biology, working towards Chartered Scientist status.