Dr Eleanor Marsh

Research Scientist

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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 | Department of Biochemistry, Wexham University | 2021–2022

- 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.