# Thomas Fleming

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## Work experience

**Biomedical Scientist, Manchester Medical Research Institute, 2021 - Present**
Conduct routine and specialist analytical testing on a range of biological samples. Supervise, mentor, and support trainee biomedical scientists and other support staff. Ensure efficient processing of patient samples and meeting turnaround time goals.

- Reduced the turnaround time for routine tests by 40% by implementing new laboratory procedures.
- Significantly improved the accuracy of a diagnostic test for a common infectious disease through co-authoring a research paper.
- Developed and validated a novel diagnostic assay that is 10% more accurate and 50% faster than existing assays, leading to earlier diagnosis and treatment of patients.

**Biomedical Laboratory Assistant, Manchester Medical Research Institute, 2018 - 2021**
Prepared and processed biological samples for analysis, ensuring accuracy and adherence to quality control procedures. Labelled and organised specimens, maintained stock of laboratory supplies and cleaned and disinfected laboratory equipment. Assisted with research projects under the supervision of experienced biomedical scientists.

- Contributed to the timely completion of routine analytical testing by accurately and efficiently processing specimens.
- Earned the recognition of biomedical scientists for providing reliable and consistent support in their research endeavours.
- Successfully passed the Hazardous Materials Handling training course, demonstrating proficiency in handling and disposing of hazardous chemicals.

## Publications

1. Fleming, T., Turner, A., et al. (2023). *Application of Machine Learning in Predictive Diagnostics.* British Journal of Biomedical Science.
2. Fleming, T. et al. (2022). E*xploring Novel Biomarkers for Infectious Diseases*. Frontiers in Microbiology.
3. Smith, J., Fleming, T., & Brown, M. (2021). *Impact of Laboratory Information Systems on Workflow Efficiency*. Diagnostic Science.
4. Fleming, T., et al. (2020). *Innovations in Immunohistochemistry Techniques*. Journal of Clinical Pathology.
5. Fleming, T., & Patel, S. (2019). *Advancements in Molecular Diagnostics for Cancer.* Journal of Biomedical Research.

## Personal profile

Qualified Biomedical Scientist (Ph.D.) with 5 years of experience in lab work, research, and molecular biology. Adept at conducting routine testing, leveraging strong analytics and laboratory techniques to translate complex findings. Strong communication skills with a proven track record of success in conducting cutting-edge research and translating complex findings into actionable insights.

## Skills

- Laboratory Techniques
- Molecular Biology
- Hazardous Materials Handling
- Cell Culture
- Immunohistochemistry
- PCR and DNA Sequencing
- Data Analysis
- Research Methodology
- Quality Control
- Laboratory Information Systems (LIS)

## Education

- Doctor of Philosophy in Biomedical Science with a Molecular Biology track, University of Manchester, 2017
- Master of Science in Biomedical Science, University College London, 2013
- Bachelor of Science in Biomedical Science, University of Liverpool, 2011

## Courses and certificates

- Registration, Health and Care Professions Council (HCPC), 2021
- Advanced Laboratory Safety, Institute of Biomedical Science, 2019