



PhD Studentship - Nano Imaging and Sensing (Start: Nov 2025)

Bangor University

Qualification Type:	PhD	Placed On:	2nd October 2025
Location:	Bangor	Closes:	30th October 2025
Funding for:	UK Students		
Funding amount:	£18,423		
Hours:	Full Time		

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Deadline extended: 30 October 2025 (originally 29 September 2025)

A fully funded 3-year PhD is available in the **School of Computer Science and Engineering (SCSE)**, Bangor University. The project will develop advanced nano-imaging and nano-sensing technologies, enhanced by AI analysis, to study viral infection in real time at the cellular and nanoscale level. This

interdisciplinary research combines photonics, AI, and biological sciences, with potential applications in diagnostics, biotechnology, and phage research.

The successful student will also have the opportunity to visit **Northeastern University and MIT (USA)** as part of the project.

Funding package:

- UK tuition fees (fully covered)
- Tax-free stipend of £18,423 p.a.
- Support for training, equipment, and travel

Supervisors:

Prof. Zengbo Wang (School of Computer Science and Engineering) & Dr. Ellie Jameson (School of Natural Sciences)

Requirements:

- Applicants should hold at least a 2:1 degree (or equivalent) in **engineering, physics, chemistry, materials science, biology, or a closely related discipline**
- **Desirable experience:** optics and photonics, AI/machine learning, biology, or biomedical sciences
- Excellent English, analytical, and problem-solving skills
- UK applicants only (must meet residency rules)

Application:

Please click on the '**Apply**' button to be redirected to our website (Bangor's portal)

Please include (within the application system):

- CV
- Personal statement (≤500 words)
- Academic transcripts & certificates
- Names and contact details of two academic referees
- In the Finance section, state: "APEX PhD studentship by Prof. Zengbo Wang"

Deadline: 30 October 2025 (extended from 29 September 2025)

Interviews: 31 October 2025

Start: 1 November 2025 (or soon after)

Enquiries:

Prof. Zengbo Wang – z.wang@bangor.ac.uk
Dr. Ellie Jameson – e.jameson@bangor.ac.uk

Advert information

Type / Role:

PhDs

Subject Area(s):

Biological Sciences

Biology

Physical & Environmental Sciences

Chemistry

Physics & Astronomy

Computer Sciences

Artificial Intelligence

Engineering & Technology

Other Engineering

Location(s):

Wales