

Johns Hopkins Department of Biomedical Engineering (BME) is a leading academic center in Imaging and Medical Devices (IMD). The research and education portfolio in IMD encompasses all aspects of medical technology, from hardware development to artificial intelligence, and comprises over 20 faculty with interests ranging from biophotonics to x-ray imaging to prosthetics and surgical robotics. To support the growth of the undergraduate and graduate programs in IMD, BME is seeking a full-time Lecturer. We are looking for candidates with strong technical background in the relevant fields and a passion for teaching engineering as an instructor and curriculum developer.

The responsibilities of this role include:

- 1) Working closely with IMD faculty on the development of new upper-level undergraduate and graduate courses for the program, in particular on fundamental aspects of imaging and device physics and artificial intelligence in application to biosensor and imaging data
- 2) Acting as a lead instructor for 1-2 IMD courses per semester
- 3) Supervising student laboratories across various courses in IMD
- 4) Providing general oversight of the IMD curriculum: identifying course needs, ensuring adequate hardware and software resources for student laboratories, coordinating educational content

The lecturer is expected to become an institutional leader in engineering education. The position involves a high degree of autonomy and provides the opportunity to work alongside world-class faculty on building an engaging student experience featuring latest advances in IMD technologies.

The ideal candidate will have a graduate degree in electrical engineering, physics, biomedical engineering, or related discipline. Strong competence in signals and systems, imaging and sensor physics, and related algorithms and artificial intelligence techniques is essential to this role. The candidate should possess graduate-level research experience and publication track-record in at least some of these areas. The position requires the ability to conduct laboratory experimentation and debug software and hardware issues with laboratory equipment.

Interested parties may contact Web Stayman web.stayman@jhu.edu directly.