



MICHAEL ANDERSON

LECTURER IN NANOTECHNOLOGY

CONTACT

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-  San Francisco, CA

SKILLS

- applied physics
- biotechnology integration
- research mentorship
- curriculum development
- data analysis
- scientific communication

LANGUAGES

- English
- Spanish
- French

EDUCATION

PH.D. IN NANOTECHNOLOGY,
UNIVERSITY OF CAMBRIDGE, 2016;
B.SC. IN PHYSICS, UNIVERSITY OF
CALIFORNIA, LOS ANGELES, 2012

ACHIEVEMENTS

- Developed a novel nanoparticle system that improved drug delivery efficiency by 40%.
- Recognized as a finalist for the National Teaching Award in Higher Education.
- Established a mentoring program for undergraduate students pursuing research opportunities.

PROFILE

Accomplished nanotechnology instructor with a robust background in applied physics and engineering, specializing in the intersection of nanotechnology and biotechnology. Expertise in delivering dynamic lectures and practical laboratory experiences, effectively bridging theoretical concepts with real-world applications. Proven ability to inspire and motivate students through innovative teaching techniques and personalized mentorship.

EXPERIENCE

LECTURER IN NANOTECHNOLOGY

Tech University

2016 - Present

- Developed and taught undergraduate courses on nanotechnology applications in biotechnology.
- Designed laboratory experiments to facilitate hands-on learning experiences.
- Mentored students on research methodologies, leading to successful project outcomes.
- Engaged in curriculum enhancement initiatives to align with industry needs.
- Facilitated collaborations with local biotech firms for student internships.
- Contributed to departmental strategic planning to improve educational offerings.

RESEARCH ASSOCIATE

BioNano Technologies LLC

2014 - 2016

- Conducted research focused on the development of nanoscale drug delivery systems.
- Utilized advanced imaging techniques to evaluate nanoparticle interactions within biological systems.
- Collaborated with cross-functional teams to design experiments and analyze data.
- Authored several peer-reviewed articles on nanobiotechnology applications.
- Presented research findings at national conferences, enhancing institutional visibility.
- Participated in grant writing efforts to secure funding for innovative projects.