

OPENINGS FOR GRAD STUDENTS at MIT **(Application Deadline: 1 Dec 2020)**

Research position available for students interested in **MS/PhD** in the new Nano-Cybernetic Biotrek (NCB) (<http://www.mit.edu/~profsarkar/>) research lab at MIT. NCB aims to fuse nanoelectronics, applied physics, and biology with two major research directions:

- develop **novel nanoelectronic devices** (such as **Quantum Devices, Spintronics, Neuromorphic**) employing ingenious device physics and smart nano-materials for achieving extreme energy efficiency and scalability;
- merge such next generation technologies with living-matter (**involves surface functionalization, polymer chemistry**) creating **unique nanomachine-bio hybrid systems**, with **remote control** and **wireless communication** abilities to achieve unprecedented possibilities for probing/sensing and modulating (for therapeutics) our brain and body.

NCB is seeking students with strong background in either of the following:

- Electromagnetism, Antennae, RFID, wireless sensing, RF engineering, magnetic resonance
- magnetic materials and devices, magnetics, Spintronics
- Nanoelectronics, Electronic devices, solid state physics, electronic circuits, Neuromorphic devices
- Chemical engineering, polymer chemistry, drug delivery, surface functionalization, chemical/bio/gas sensing

If interested, please **submit an application to MIT Media Lab** (<https://www.media.mit.edu/graduate-program/apply/>) by **1 Dec 2020**.

Notes:

1. TOEFL/IELTS can be taken after the application deadline and can be waived in certain cases
2. We may not be able to respond to individual emails. That does not mean we are not interested in you. Please apply through the MIT Media Lab portal to be considered

More details can be found at: <https://web.mit.edu/deblina-sarkar/positionsavailable.html>