The Integrative Graduate Education and Research Traineeship (IGERT) in Nanotechnology-Environmental Effects and Policy at Carnegie Mellon and Howard University is an interdisciplinary graduate program funded by the National Science Foundation. NEEP Trainees operate at the interface between science and environmental policy, while acquiring the skills to create novel nanotechnologies and become policy-literate nanoscience professionals.

NEEP-IGERT PROGRAM Features:

• The NEEP program seeks graduate students from multiple disciplines to engage in a two year training program that will expose them to the fundamentals of their core discipline and the broader environmental and social policy implications of their area of study.

• The NEEP program offers trainees funding, through stipends and tuition support, for the first two years of their Ph.D. program. Students transition to traditional research funding in year 3.

• NEEP Trainees will be provided the opportunity to engage in lab and course exchanges with partner universities as well as international rotations.

• NEEP trainees will build professional connections with corporate partners through the NEEP summer internship programs.

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NEEP-IGERT Trainees pursue an innovative, highly interdisciplinary program of study leading to a Ph.D. from one of the following departments at Carnegie Mellon University: Biomedical Engineering, Chemical Engineering, Civil and Environmental Engineering, Engineering and Public Policy, Material Science and Engineering, Mechanical Engineering, or through Howard University.

Interested students should apply for admission directly with the NEEP-IGERT associated departments and submit an IGERT specific essay to the program coordinator. Applicants must follow the application deadlines for each department. For more information on the NEEP-IGERT program and on how you can be considered for a NEEP traineeship, contact the NEEP program coordinator.

Core Courses in NEEP-IGERT:
NEEP-IGERT Trainees will complete their department’s core requirements, while being able to harness the curricular flexibility that is built into departmental requirements to engage in the following core courses:

- Nanotechnology Design Capstone
- Environmental Regulation and Manmade Nanomaterials
- Fate, Transport and Physiochemical Processes of Organic Contaminants in Aquatic Systems
- Environmental Nanotechnology
- Quantitative Method for Policy Analysis
- Nanostructured Materials
- Nanomaterial Characterization Laboratories

pictured above (l to r): Zenille Saunders, Lauren Strahs, Amy Dale, John Stegemeier, Clare Mahoney, Rachel Ferebee