

Faculty Name:

James Hone

Faculty Email:

jh2228@columbia.edu

Lab:

Hone research lab

Project Title:

2D materials research: synthesis and characterization

Description:

Students will pursue research in to the synthesis and characterization of two-dimensional materials and heterostructures. This will include synthesis of graphene by chemical vapor deposition, assisting in synthesis of crystals of transition metal dichalcogenides, and characterization of these materials. Students will assemble materials into heterostructures for electrical and optical measurements.

Location of Research:

On-Site

of hrs/week:

35

Department/Program:

Mechanical Engineering

Eligibility:

BS, Fourth Year, MS

To apply, please contact:

James Hone, jh2228@columbia.edu