The Physics Department Seminar Series presents...

Alexi Manick  
**STEM Careers in Solar: 1366 Technologies & the Academic Path to Industrial Research and Development**

**Tuesday, October 21st**  
Cleveland L3  
4:05 Reception  
4:15 Presentation

**SUMMARY:** Alexandra Manick will discuss 1366 Technologies’ Direct Wafer platform – a manufacturing innovation for the production of multi-crystalline Silicon wafers (mc-Si) – which eliminates most of the steps and waste associated with the current industry standard process. She will give a technical overview of her work on a gettering process for the reduction of metallic impurities in mc-Si, and speak to how she, and others, have leveraged their academic experience as an undergraduate to pursue a career in a STEM industry.

**BIO:** Alexandra Manick graduated from MIT in 2012 with a B.S. in Materials Science and Engineering and a humanities concentration in Theater Arts. As a student, she researched Ultra High Molecular Weight Polyethylene for applications in total hip and knee replacements at the Harris Orthopedic Lab of Massachusetts General Hospital and worked part-time for the MIT Office of Disability. She currently works as an engineer for 1366 Technologies, a solar energy start-up company located in Bedford, MA, where she investigates various methods for reducing metallic impurities in multi-crystalline Silicon.