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CAES SEMINAR SERIES

“Impacts and Detection of Carbon Nanotubes on Plants”



Ms. Clarisse Liné

EcoLab, Toulouse, France

Wednesday, June 20, 2018

12:00 noon – 1:00 p.m.

Pizza and coffee will be available at 11:45 a.m.

Jones Auditorium

The Connecticut Agricultural Experiment Station

123 Huntington Street, New Haven, CT

Clarisse is a PhD student at EcoLab in Toulouse, France, and is working on part of her dissertation research in the Department of Analytical Chemistry. She is focused on carbon nanotubes, which are among the most used nanoparticles. All along their life cycle, they can be released intentionally or unintentionally into the environment. Thus, it is critical to evaluate their impacts on and transfer within terrestrial ecosystems. Using high-throughput methods (metabolism biomarker set and FTIR), she is evaluating CNT impacts on crop plants. In parallel, she is developing techniques to enable particle detection and movement within complex matrices such as plants.