

## **QEEN II**

**Breakout Session 1A: 10:30-12:00** 

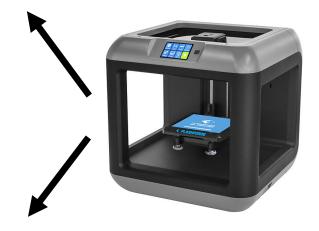
Quantifying Potential Acute and Chronic Exposure from 3D Printing/Additive Manufacturing

## 3D Printing Emissions & Nano-Enabled Products



Dr. Souhail Al-Abed U.S. EPA

What are the emissions?



What factors influence emissions from 3D printing equipment?







What are the associated health outcomes?



Dr. Peter Byrley U.S. EPA



Dr. Sandra Pirela Harvard



Dr. Justin Gorham NIST