**GEORGE MASON UNIVERSITY**

**COLLEGE OF SCIENCE**

**BIOLOGY DEPARTMENT SEMINAR**

**Spring 2015**

**Kristina J. Anderson-Teixeira**

**Ecologist, Leader of CTFS-ForestGEO Ecosystems & Climate Initiative**

**Smithsonian Institution, Smithsonian Conservation Biology Institute**

***“Forest-climate interactions in an era of global change”***

Forests play important roles in climate regulation. Global change pressures—including climate change, deforestation, pollution, hunting, and the spread of invasive species—are affecting forests worldwide. Such changes threaten biodiversity and may exacerbate climate change. Understanding and predicting how forests are changing provides critical support for biodiversity conservation and climate protection. Dr. Anderson-Teixeira leads the Ecosystems and Climate Initiative for the Center for Tropical Forest Science (CTFS) - Forest Global Earth Observatory (ForestGEO). CTFS-ForestGEO is the world's only forest monitoring network making standardized measurements in all the world's major forest biomes and is strategically poised for monitoring, understanding, and predicting forest responses to global change. This talk will introduce the network and cover some of Dr. Anderson-Teixeira’s research aimed at understanding how global change is altering forests around the world and how changes to forest ecosystems will either mitigate or exacerbate climate change.

**TUESDAY February 10, 2015**

**3:00-4:15 PM**

**Johnson Center Room Meeting Room D**