

Dear Faculty, Postdocs, Students, and Friends:

You are cordially invited to a seminar presented by



Dr. Rosangla Sozzani

*Department of Plant and Microbial Biology
North Carolina State University*

Title:

“The Goldilocks principle, just the right amount of growth”

DATE: Friday, January 15, 2021

TIME: 12:00 pm PST

ZOOM MEETING ID: 929 1247 4758

PASSCODE: 644865

Host: Jaimie Van Norman

Abstract: We research the molecular mechanisms that regulate stem cell fate specification and maintenance within the Arabidopsis root, and translate this knowledge to engineering plants with enhanced agronomic function using synthetic biology tools. Our goal is to gain a coherent qualitative and quantitative understanding of stem cell maintenance at a system level. In addition to revealing the molecular pathways that stem cells employ, this research will help to better understand why stem cells, in both plants and animals give rise to specialized cells at all. Adapting plants to address ever-changing human needs is a necessary strategy to create sustainable energy, nutritional, and energy solutions.