College of Agriculture, Life & Environmental Sciences

SCHOOL OF PLANT SCIENCES SEMINAR
TUESDAYS 4:00PM

DR. TYSON SWETNAM

OPEN SCIENCE & THE AGE OF ARTIFICIAL INTELLIGENCE

10/31/2023
4-5 PM
MARLEY 230

Refreshments provided in Marley Lobby 3:30-4pm

Live broadcast available on Zoom:
https://arizona.zoom.us/j/83044711714
Password: spls23
Host: Amritha Wickramage, Ph.D

Abstract: The White House Office of Science and Technology Policy and multiple US Federal Agencies have declared 2023 as "The Year of Open Science." As researchers and educators it is important to understand what open science is and why it goes beyond simply publishing in open access journals or releasing data at the end of a research study. New technologies such as generative Artificial Intelligence (AI), i.e., OpenAI ChatGPT & Google Bard are advancing rapidly. Meanwhile universities are backpedaling to integrate these tools into their traditional practices. An organization led by UArizona built on open science and now leading the adoption of AI is CyVerse.org. CyVerse has spent the last fifteen years building cyberinfrastructure for the US National Science Foundation's Life Science community. CyVerse has enabled thousands of scientists to work with big data across the internet using combinations of publicly available research computing platforms and commercial clouds. During this seminar, I will explore open science public resources and describe how to implement open science techniques and standard operating procedures into individual research, wet labs, research groups, or educational programs. I will also talk about how to apply new AI frameworks into your daily workload, research, and teaching.