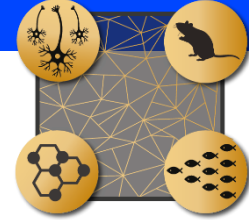




Zenith

# INTERNATIONAL PHD PROGRAM IN NEUROSCIENCE

In collaboration with SmartNets



**WEDNESDAY, 2 NOVEMBER 2022**  
**AT 6:00 PM (CET)**

## **PRACHEE AVASTHI**

GEISEL SCHOOL OF MEDICINE AT  
DARTMOUTH, HANOVER, NH, USA  
ARCADIA SCIENCE, BERKELEY, CA, USA



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### **FROM MODELS TO NON-MODELS: EXPLORING NEW SCIENCE AND NEW WAYS TO PURSUE IT**

Basic scientific research is often geared towards the biology of humans or more experimentally tractable organisms that share biology with humans. However, evolution has run many experiments distinct from human biology resulting in groundbreaking innovations (CRISPR, GFP, PCR, optogenetics and many more). Here, I will make a case using specific examples from my own work to highlight how studying a broader range of organisms can uncover important and useful biological insights. To put more resources and energy behind broader organismal investigation, we founded Arcadia Science, a research and development company whose mission beyond experimenting with what science we do, is to experiment with how it is funded and how it is communicated.

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Prachee Avasthi obtained a PhD in Neurosciences from the University of Utah and a Postdoc in Biochemistry & Biophysics from the University of California San Francisco, USA. She is the co-founder and Chief Scientific Officer of Arcadia Science, a research and development company focused on the study of emerging research organisms as well as an Associate Professor of Biochemistry and Cell Biology at the Geisel School of Medicine at Dartmouth College. She is also a strong advocate for open science with leadership positions in ASAPbio (as president) and eLife (as chair of the board of directors).

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