



VTeen 4-H Science Pathways Café

Saturday, September 23, 2023, 5 – 7 p.m.

University of Vermont, Davis Center
Mansfield Dining Room, Burlington, VT



Something's Fishy: Using zebrafish to model human nervous system disorders

According to the Centers for Disease Control, 1 in every 800–5000 babies are born with microcephaly (small brains) or microphthalmia (small eyes) in the United States each year. The underlying causes behind these developmental abnormalities vary widely. Our central nervous system undergoes significant expansion and organization during the first months of gestation and relies heavily on internal and external signals. Come to this café to learn how we use zebrafish as a model organism to study normal nervous system development as well as model human diseases such as microcephaly and microphthalmia.

About Our Speaker

Alicia Ebert is an Associate Professor in the Biology Department at the University of Vermont. She has been working with zebrafish for almost 20 years to investigate the role of cell-cell communication in nervous system development. She earned her PhD in Developmental Neuroscience at Colorado State University and performed Postdoctoral training at the Hotchkiss Brain Institute in Calgary, Alberta before moving to Vermont.

What is a Teen Science Café

The cafés are a free, fun way for teens to explore science, engineering and technology with local scientists, engineers and technology experts. Teens participate in informal discussions and hands-on activities to learn about different topics. And there is always free food! Planned and run by teens for teens.

Register at: <https://go.uvm.edu/sep23-tscafe>

Open to all youth in grades 7–12, FREE pizza and drinks!

For more information or to request language interpretation/translation assistance and/or a disability-related accommodation to participate in this program, please call or email Lauren Traister at 802-656-7560 or lauren.traister@uvm.edu by Friday, October 20, 2023 so we may assist you.

For more information about UVM Extension 4-H and youth programs, visit
www.uvm.edu/extension/youth

Funding provided in part by
VT EPSCoR Grant No. NSF OIA 1556770

