



# AgroTek Academies and Cafes

June 25–30, 2023

UVM campus

[HTTPS://GO.UVM.EDU/AGROTEK](https://go.uvm.edu/agrotek)



We invite current 7-11<sup>th</sup> graders to join us for immersive research experiences in agrotechnology. Through topic-focused Science Cafes, Summer Academies, and Innovation Slams, participants will have an opportunity to learn from UVM faculty, staff and students, conduct their own experiments and share their findings!

## Summer Academies

### ■ **Culturing Cells for Healthier Soils Summer Academy**

Spend time in the field and the laboratory to learn about the root systems and associated microbes of perennial agricultural systems. Learn a variety of approaches for measuring microbial diversity and abundance, about new sustainable cropping systems, and cutting-edge tools for measuring the half of plants that occurs belowground.

### ■ **Shifting the Waste to Value Paradigm Summer Academy**

Learn about ways to turn agricultural waste into sustainable products and sources of income for local farmers. Our emphasis will be on the human processes needed for successful design innovation across approaches of waste-to-value bioproducts.

### ■ **Using Virtual Reality for More Precise Agriculture Summer Academy**

Learn with the Social Ecological Gaming and Simulation (SEGS) laboratory team about precision agriculture and how new computer tools can be used to provide decision support for farmers and the community.

For more AgroTek Innovation information, contact Sarah Kleinman (802-651-8343 ext. 521 or [sarah.kleinman@uvm.edu](mailto:sarah.kleinman@uvm.edu)) or Scott Lewins (802-524-6501 ext. 436 or [scott.lewins@uvm.edu](mailto:scott.lewins@uvm.edu)).

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