Discover Volvox Development

Module 1 (Lecture)

- DNA & UV mutagenesis
- Volvox and its life cycle
- Volvox developmental mutants

Umen Lab

- Strains and media
- Tech support
- Workshop for teachers
- Collect mutants

Module 2 (Lecture + Lab)

- Use dissecting microscope
- Sample and observe Volvox
- Propagate Volvox in media

Module 3 (Lab)

- Screen Volvox mutants (30 min)
- Document (writing and pictures) and preserve mutants

Module 4 (Site tour)

- Visit Umen lab and Danforth Center
- Acknowledgement of participants, achievement survey, and feedback

Contact Us

Dr. James Umen
Donald Danforth Plant Science Center
975 N. Warson Rd. St. Louis, MO 63132
Jumen@danforthcenter.org
Dr. Minglu Gao
mgao@danforthcenter.org
DiscoverVolvox@gmail.com
www.danforthcenter.org

Follow us on Instagram
@discover.volvox