

# Microbiology Workshop for Community Gardeners

A series of free hands-on, laboratory-based activities to isolate and identify bacteria and fungi associated with soil and plants in Tippecanoe county-area community gardens.

*Presented by : Dr. Anjali Iyer-Pascuzzi, professor of plant biology and plant pathology, researches bacteria-root interactions.*

*Mr. John Cavaletto, senior teaching coordinator, engages students in studies of leaf-associated fungi.*



## Planned Activities:

- Isolate microbes onto selective agar media
- Use the polymerase chain reaction (PCR) to search for DNA segments that are bacteria and fungi specific.
- Determine the sequence of those DNA segments and compare them against known sequences to identify (or not!) the microorganisms.
- General discussions and activities involving microbes with an emphasis on their interactions with plants.

If interested or for more information, please contact [asi2@purdue.edu](mailto:asi2@purdue.edu) or [cavalett@purdue.edu](mailto:cavalett@purdue.edu) providing your name and garden location. Alternatively, call 765-494-1443 or 765-494-6474.