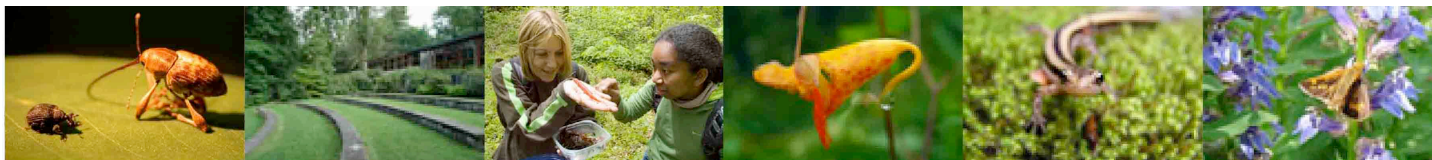


HIGHLANDS BIOLOGICAL STATION



“THE TREE HOUSE” MOLECULAR LABORATORY NOW AVAILABLE!



The Highlands Biological Station is pleased to announce that its new molecular laboratory is now available for visiting researchers! The HBS molecular lab (a.k.a. The Tree House), complete with beautiful views of the HBS grounds, allows researchers to conduct investigations on the beautiful Highlands Plateau and process their samples on-site. The space is set up for most applications in molecular ecology including DNA/RNA extraction, quantification, PCR, visualization, cloning, and more. The Tree House has a main lab, gels area, DNA extraction room, water/ice/autoclave room, and rooms with additional bench space that can be used to conduct courses or office space for individual researchers.

DNA/RNA EXTRACTION EQUIPMENT:

- Mini-Beadbeater-16 cell disruptor
- Barnstead EASYpure UV/UF water filtration system
- Refrigerator, -20° and -80° freezers
- 0.2 and 1.5ml tube racks, ice buckets, glassware, balances, fume hood
- Eppendorf Research Plus pipettes – 10µl, 20µl, 200µl, and 1000µl
- Eppendorf Biophotometer Plus (for DNA quantification)

PCR EQUIPMENT:

- Eppendorf Centrifuge 5430, with adaptors for 96-well plates
- Eppendorf Vacufuge, with adaptors for 96-well plates
- Two Eppendorf Mastercycler Pro Gradient Thermal Cyclers
- Dry bath incubator
- Minivoortexers and personal centrifuges

VISUALIZATION EQUIPMENT AND ETC:

- Power packs that can run eight gels simultaneously
- Gel rigs – small, medium, large, and extra large
- Transilluminator
- Photodoc-IT-50 imaging system w/ camera, LCD screen, and printer
- Tuttnauer 2540E Autoclave, Microwave, Ice maker



2011 FEE SCHEDULE AND RESERVATIONS: Users already paying a bench fee in the Coker Lab or renting desk space in the Tree House (\$50/week) may use the molecular equipment for \$20/day. If only using the molecular equipment, fees are \$25/day or \$150 per week for full access to the laboratory space, equipment and glassware. Researchers must provide all of their own reagents, disposables, and general lab supplies (gloves, tips, etc.). A detailed user manual is available online at www.wcu.edu/hbs. Please call 828-526-2602 for more information, or to reserve The Tree House!



AN INTER-INSTITUTIONAL CENTER OF THE UNIVERSITY OF NORTH CAROLINA

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