



OTS Specialty Course: **TROPICAL FERNS and LYCOPHYTES**

This course is designed to build the diverse skills needed for floristic, taxonomic, phylogenetic and ecological research on tropical ferns. It is an intensive, 15 - day field introduction to the identification, classification, phylogenetics, ecology and reproductive biology of tropical ferns and lycophytes.

WHEN: 9-23 January 2013

Arrive 8 January, depart 24 January.

WHERE: Costa Rica

Las Cruces and La Selva Biological Stations.

FACULTY:

Dr. Robbin Moran

New York Botanical Garden

Dr. James Watkins

Colgate University

Plus invited professors:

Dr. Kathleen Pryer, Duke University

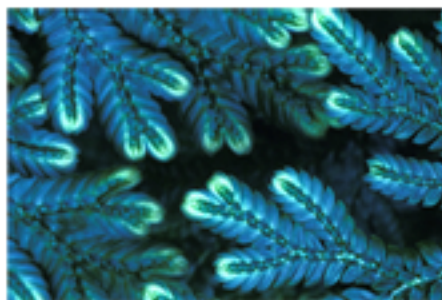
Dr. Michael Windham, Duke University

PARTICIPANTS:

Graduate students, postdoctoral fellows, researchers in the fields of ecology, botany and conservation biology who require a broad knowledge of fern and lycophyte biology.

APPLICATION DEADLINE:

October 1, 2012 for priority consideration, followed by rolling admission until fully enrolled (22 participants).



LECTURE TOPICS:

- Identification of tropical fern and lycophyte families and genera.
- Comparative morphology and anatomy of sporophytes and gametophytes.
- Phylogenetic relationships of the major clades.
- Methods of field collection and specimen preparation.
- Reproductive and gametophyte ecology
- Biogeography
- Hybridization and polyploidy
- Ecophysiology
- Fern ecology

TUITION:

\$2,450 OTS consortium applicants
\$3,050 non-OTS consortium applicants
Partial tuition aid scholarships based on financial need are available to students from OTS consortium institutions and Latin America. Applicants should check with their departments and advisors to arrange academic credit for this course.

FURTHER INFORMATION:

For registration contact Barbara Lewis [barbara.lewis@ots.ac.cr] or the OTS website at www.ots.ac.cr and for course content, Robbin Moran [rmoran@nybg.org].