NYBG

New York Botanical Garden
Ph.D. program
Fellowship opportunities

The New York Botanical Garden offers fellowships and research assistantships to support Graduate Students working through our partner programs starting in Fall 2025. Applications must be submitted to an affiliated program and NYBG. Interested candidates should visit the Graduate studies web page and download the application form here. Deadlines for affiliated programs vary; NYBG applications must be received by January 15 each year. Direct enquiries to Lawrence Kelly (lkelly@nybg.org).

Graduate Fellowship in Botany (1)

The New York Botanical Garden seeks prospective Ph.D. students to join the Graduate Studies Program. Qualified candidates should apply through NYBG and one or more of NYBG's partner university programs: The City University of New York, Yale School of the Environment, New York University, Fordham University, Columbia University, Cornell University, and Florida International University.

Fields of study include systematics, genomics, biodiversity informatics, ecology, ethnobotany, food security, conservation biology, environmental science, and plant morphology, anatomy, and development. NYBG graduate students combine field- and laboratory-based research and actively use the collections and laboratory facilities at NYBG. Preference is given to candidates who will integrate diverse methodologies and leverage NYBG's collections and professional networks to develop interdisciplinary research projects.

Annette Kade Charitable Trust
Fellowship in Tropical Plant Systematics (1)
(French or German students)

A graduate fellowship is available in tropical plant systematics at The New York Botanical Garden. In the 2024-25 academic year, one graduate fellowship will be granted by the Garden in association with the Annette Kade Charitable Trust. Funding is designated to support a German or French student who is doing doctoral research in tropical plant systematics in the broadest sense. Preference is given to candidates who will integrate diverse methodologies such as molecular systematics, genomics, bioinformatics, biogeography, or plant morphology and development.

Funding can be provided for one of two situations: 1) Students who apply to matriculate into Graduate Studies at NYBG through admission to one of our seven affiliated universities; or 2) Students who are enrolled in a German or French Ph.D. program and would like to conduct dissertation research at NYBG. Preference will be given to students whose interests combine field- and laboratory-based research and who will actively use the collections and laboratory facilities at NYBG. Limited funds are also available to cover fieldwork and laboratory expenses related to the dissertation project. Applications are reviewed on a rolling basis beginning January 2025.

Florida International University (FIU)
International Center for Tropical Botany (ICTB)
Graduate fellowships in tropical botany (2)

We have two available fellowships for Ph.D. graduate research assistant positions in tropical plant biology with the ICTB and NYBG.

We are seeking graduate students in tropical plant diversity in the ICTB in partnership with The Kampong and Florida International University. The ICTB is a new, collaborative effort between FIU and the National Tropical Botanical Gardens to develop programs in research, education and outreach in tropical plant biology. The ICTB has recently opened a world-class headquarters with offices, laboratories, and an herbarium, adjacent to The Kampong botanical gardens on Biscayne Bay in historic Coconut Grove (http://ntbg.org/gardens/kampong.php).

Successful candidates will have at least four years of graduate research assistantship funding and five years of total funding support. Students will divide their time between Miami and New York City.

Interested applicants should send a CV and a cover letter detailing the candidate's research experience and interest relative to the key research themes to Chris Baraloto (cbaralot@fiu.edu) and Lawrence Kelly (lkelly@nybg.org). Candidates must apply to the FIU Graduate School by December 1, 2024. The position start dates will be in August 2025.

Research Assistantship: Sporangia (1)
Dr. Barbara Ambrose, NSF funded research project

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The project investigates the molecular genetics of sporangium development in the model fern *Ceratopteris*. This research will help build an understanding of the evolution of sporangia across plants and fill a gap in our knowledge about plant reproduction.

Please direct project-related enquiries to Barbara Ambrose, Ph.D., Curator of Genomics and Director of Laboratory Research (bambrose@nybg.org). Interested candidates must submit applications to NYBG and an affiliated program. Deadlines for affiliated programs vary; NYBG applications must be received by January 15 each year.

Research Assistantship: Neotropical bromeliads (1)
Dr. Brad Oberle, NSF funded research project

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This project seeks to understand how functional trait tradeoffs are affected by photosynthetic pathway in the diverse Neotropical family Bromeliaceae, and how these shifts in tradeoffs affect resource allocation and feed back into nutrient cycling. Specifically this project will test 1) the physiological and molecular responses to nitrogen limitation in C3 and CAM bromeliad species, assess, 2) long-term effects of nitrogen limitation on allocation to functional traits, including vegetative vs. reproductive growth, and determine 3) how nitrogen, photosynthetic pathway, and functional traits affect leaf litter quality and the feedback of litter quality to the ecosystem.

Please direct project-related enquiries to Brad Oberle, Ph.D., Associate Curator, Center for Conservation and Restoration Ecology (boberle@nybg.org). Interested candidates must submit applications to NYBG and an affiliated program. Deadlines for affiliated programs vary; NYBG applications must be received by January 15 each year.