

Undergraduate research and work opportunities In Evolutionary Biology Fall 2019

As part of a study funded by the National Science Foundation focused on the evolutionary significance of whole genome duplication in plants (we use mosses as model systems) we seek to fill **TWO POSITIONS** with **BIO or EEB majors interested in evolutionary biology**:

1. Maintain cultures of mosses: we establish and propagate cultures of mosses for genome analysis, reproduction biology experiments and morphological study
2. Process DNA sample (extraction, amplification and sequencing) for phylogenetic analysis

Prerequisites: BIOL 1108 or BIOL 1110

Eligibility: Sophomores and juniors preferred, GPA > 3.0

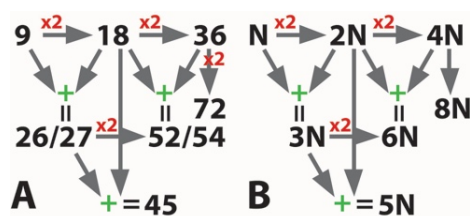
Number of hours weekly: 6-8

Open for credit or compensation

Deadline for application: Sept 6, 2019

Contact bernard.goffinet@uconn.edu.

Subject line: bryology position



The Goffinet Lab (see <http://bryology.uconn.edu>):

We study the evolution and systematics of plants with a focus on mosses, liverworts, and hornworts, and also of fungi, namely those establishing permanent symbiotic associations, called lichens. Past undergrads have done projects addressing a variety of questions and acquiring

experience in DNA extraction, amplification and sequencing, estimating genome size via flow cytometry, analysis of morphological traits, assessing phenotypic signatures following genome duplication, sterile cultures techniques for moss propagation, and lichen barcoding.

