

The Bartlett lab at the University of Massachusetts Amherst is recruiting two postdocs to work on either (1) the identification, evolution and functional dissection of cis-regulatory elements in the angiosperms or (2) the evolution of floral development in the grasses.

Qualifications/Requirements:

Applicants are required to have a Ph.D. in plant biology, molecular biology, genetics, evolution, or a similar field of study. Molecular lab experience working with DNA, RNA, and/or protein is required. A keen interest in plant development and evo-devo is also essential. Experience working with maize, *Brachypodium distachyon*, or other grasses is preferred, as is expertise in the analysis of genomic data in an evolutionary context.

Responsibilities:

Postdocs hired into these positions will perform comparative genetics in *Brachypodium distachyon*, maize, and *Arabidopsis*, identifying and dissecting the function of floral developmental genes or of conserved non-coding sequences. Both projects will also involve studying trait and gene evolution in the angiosperms, and for comparative genomics and transcriptomics. Other duties will include mentoring and training undergraduate researchers, and writing manuscripts associated with the project.

Application Instructions:

Candidates must apply online by submitting a cover letter, CV, and the contact details of three references willing to provide letters of recommendation. Please apply by September 6 to receive priority consideration, but the positions will remain open until filled. If you're considering applying, but would like to know more about the positions, or have any other questions, please email Dr. Madelaine Bartlett at mbartlett@umass.edu.

Flower evo-devo: <https://careers.umass.edu/amherst/en-us/job/509465/post-doctoral-research-associate-bartlett-lab>

Cis-regulatory evolution: <https://careers.umass.edu/amherst/en-us/job/509466/post-doctoral-research-associate-bartlett-lab>

Bartlett Lab Website:

<http://www.bartlettlab.org/>