

A postdoctoral position is available in the laboratory of Tobias Baskin (<http://www.bio.umass.edu/biology/baskin>) in the Biology department at the University of Massachusetts Amherst.

The post-doctoral researcher will join a DoE funded project devoted to understanding how cellulose is synthesized and how the organization of cellulose influences growth anisotropy. The project focuses on developing tobacco BY-2 cells as a model system, taking advantage of excellent imaging in these cells and the ease in which they are transformed. Additionally they offer a ready source of primary cell wall for biochemical and structural analysis. Imaging is being done in collaboration with Dr Lori Goldner (UMass Physics) who has a custom-built TIRF microscope. On-going structural analyses, which the postdoc will continue, include polarized light microscopy (in collaboration with Dr Rudolf Oldenbourg at MBL) and X-ray scattering (at Brookhaven National Lab). The postdoc will be expected to mentor one or more undergraduate students.

UMass strives to provide an environment where everyone can thrive. The Baskin lab is a welcoming lab. Baskin encourages applications from people of color, with a disability, or with a non-conforming gender identity.

Candidates must have been awarded the Ph.D. less than five years ago.

Expected start date: January 1, 2021.

A **Ph.D.** in cell biology, plant molecular biology, or a related field is required. Expertise in plant molecular biology and quantitative approaches essential; expertise in light microscopy or cell wall biology is desirable. The successful applicant will speak and write English fluently, as evidenced for example by a strong record of publication, and will be comfortable collaborating.

To apply: Please send a cover letter, CV, and the names of three references to Tobias Baskin (baskin@umass.edu).

UMass Amherst is the Flagship Campus of the public University system of Massachusetts. Located in the rural western part of the state, the campus is close to farms and forests, rivers and lakes. UMass Amherst has a vibrant research community, a long-standing School of Agriculture (Stockbridge) and a vigorous interdepartmental program in Plant Biology (<https://gpls.cns.umass.edu/pb>), hosting labs carrying out innovative research and fostering a flourishing community.