Position available: Postdoctoral Associate
Forest and fire modeling,
Forest Futures Lab
Postdoctoral Position: Modeling 21st-century boreal forests and fire. We seek a postdoctoral research associate to project future fire and ecosystem dynamics in the boreal forest of western North America with a state-of-the-art simulation model. Specifically, the postdoctoral associate will use simulations to assess the fire, forest, and topographic characteristics that render boreal ecosystems vulnerable to state shift after fire and project 21st-century ecosystem and landscape change. This work is part of a larger NSF-funded project with collaborators at multiple institutions. The postdoctoral associate will work with a vibrant team to integrate multiple datasets, including remote-sensing products, gridded downscaled climate data, and soils information into a simulation framework; conduct ensemble simulations in a cluster environment; analyze and interpret model output; and communicate research orally and through peer-reviewed journal articles. The successful candidate will be provided resources for travel related to the project and will have opportunities for professional development beyond the project. For additional information on the Forest Futures Lab, visit http://forestfutureslab.org/. For additional information about Cary Institute of Ecosystem Studies, visit https://www.caryinstitute.org/.

Duration: This is a full time, exempt, fully benefitted position for one year and is renewable for an additional year contingent upon successful performance. The position includes salary plus benefits. Start date is flexible, but winter 2021/2022 is preferred.
Location: Millbrook, NY with occasional trips to Alaska.

Qualifications: Applicants must have completed a Ph.D. in forest ecology, disturbance ecology, ecosystem modeling, or a related field prior to appointment. The ideal candidate will have expertise in ecosystem or landscape simulation; working with or downscaling gridded climate data; fire modeling, analyzing big ecological datasets in R or python; and will have experience with working in a cluster computing environment. Knowledge and familiarity with carbon-cycle science and/or trait based ecology is desirable. Applications are encouraged from outstanding candidates who enjoy and work well in a collaborative team setting and have excellent communication and written skills.

To Apply: Please complete an online application at http://www.caryinstitute.org/who-we-are/jobs or (link). As a single PDF, please also upload a cover letter, CV, one-page statement of research interests, and the names and contact information of three references using the upload resume link on the application website. Position deadline is September 30th but will remain open until filled. All candidates must be authorized to work in the U.S. Finalist candidates must successfully complete a post-offer, pre-employment background check. There is also a mandatory vaccination policy for Cary employees. Position reports to: Dr. Winslow Hansen.

The Cary Institute is an Equal Employment Opportunity (EEO) and Affirmative Action (AA) employer. It is our policy to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity or expression, national origin, age, familial status, protected veteran or disabled status, or genetic information.