

Postdoc on cancer/immune modeling and machine learning – Dr. Eduardo Sontag

Interested in a postdoc opportunity combining cancer/immune modeling and AI? Read on!

Northeastern University's Roux Institute <https://roux.northeastern.edu/> is located in charming Portland, Maine (a two-hour drive from the Boston main campus). It received 200 million dollars of funding from private donors in 2020, and will be supporting a large number of postdocs in several areas, including life sciences and engineering.

During a two-year postdoctoral appointment, "Experiential AI Postdoctoral Fellows" will take courses in AI and will interact with a team of mentors at the Boston and/or Portland campuses, and, at the conclusion, may be considered for faculty and staff research appointments at the Roux Institute or at one of Northeastern's other eight campuses (Boston, Burlington, Nahant, Seattle, San Francisco, San Jose, Vancouver, Toronto, London and Charlotte).

I have posted a project in <https://www.northeastern.edu/experientialai/faculty-mentors/> entitled "Exploring drug resistance through leveraging mathematical modeling and machine learning" and I will be leading that project, with my colleague Jennifer Dy helping out with the ML component. The topics written in the project description were based on recent papers of mine (<http://www.sontaglab.org/PUBDIR/Keyword/CANCER.html>) but there is considerable flexibility in the project, depending on the applicant's background and interests.

Please write to me ASAP (sontag@sontaglab.org) if you are interested. More details are in the generic blurb that follows:

The application period is now open, **until March 15th**. The EAI Postdoc Faculty Mentor/Project page is [here](#), and the application portal, with information about the program is [here](#).

The goal of the program is to train disciplinary PhD holders (generally outside of computer science) in applications of ML and AI to their respective fields. As you know, combinations of skills in, say, genetics + machine learning, or biology + AI, are rare. It's our intent to help create this talent to populate the research team at the Roux Institute and across our partner organizations.