

Position: Postdoctoral Research Fellow, Research Project 2: Modeling the Process of Nicotine Addiction among Youths and Young Adults and Its Potential Future Consequences

Job Description:

The renewed NIH-funded Center for the Assessment of Tobacco Regulations (CAStoR) invites applications for a postdoctoral fellowship focused on the impact of tobacco regulations. The postdoctoral research fellow will develop and examine simulation models of tobacco use that explicitly consider multiple tobacco-products and multiple disease outcomes. The interdisciplinary team includes epidemiologists, economists, tobacco scientists, applied mathematicians, and statisticians. The project will conduct analyses of the public health impact of tobacco regulations across a range of tobacco-related conditions and policy outcomes. Desired areas of expertise include: dynamic and complex systems, agent-based modeling, computer programming (familiarity with R, Python, Netlogo), statistical analysis/econometrics, and epidemiology modeling. Experience developing mathematical/simulation models to address problems in public health, epidemiology, or health outcomes is a plus.

Publish research findings in peer-reviewed journals.

Work with simulation modelers, epidemiologists, and economists across CAStoR to prepare public-facing translational materials that share research findings.

Supervisor: David Mendez, Professor

Required Qualifications: Doctoral degree in Epidemiology, Health Economics, Engineering, Applied Mathematics, Statistics, Computer Science or a related field

Duration and Benefits:

Competitive salary commensurate with federally approved rates for postdoctoral researchers. Comprehensive health insurance and retirement benefits. Standard benefits package.

The postdoctoral fellowship is a one-year appointment, with the possibility of renewal in the second year, contingent upon funding and satisfactory performance.

Salary: Compensation (salary and benefits) will be offered according to the University of Michigan and NIH guidelines.

Work Location:

University of Michigan, School of Public Health, Ann Arbor, MI.

Remote work/hybrid options from within the United States may also be available to accommodate work-life balance.

Michigan Public Health is seeking a dynamic staff member who is committed to contributing to a diverse, equitable, and inclusive environment for all community members.

Application Process:

Interested candidates should submit the following documents in a single PDF file:

1. Cover letter expressing interest in the position and highlighting relevant research experience.
2. Curriculum vitae (CV) including a list of publications.
3. Contact information for three professional references.

Applications should be sent via email to [CASTOR.Postings@umich.edu] with the subject line "**Postdoctoral Fellow Application—Research Project 2**". Candidates should also apply through the [University of Michigan Careers portal](#), Job Opening ID **249278**