



# THE UNIVERSITY OF CHICAGO

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University of Chicago, [Department of Medicine](#), the [Institute for Genomics and Systems Biology](#), and the [Neubauer Collegium for Culture and Society](#) are announcing the availability of upto to two postdoctoral positions in data-science, focussing on data-driven model discovery from massive clinical-social-and other datasets to uncover predictive analytics and reverse-engineer complex multi scale spatio-temporal phenomena spanning the biological and the social sciences.

With support from the Neubauer Collegium and the Defense Advanced Research Projects Agency (DARPA) within the new program on [Data Driven Discovery of Models](#) (D3M), the candidates will have the opportunity to investigate problems in diverse fields, and develop cross-domain task-agnostic next generation learning algorithms that address hard open-ended data-intensive problems. Of particular interest is the etiological understanding of complex disease at the molecular and population levels, translating inferred analytics to clinical decision-making, and distilling predictive models for human behavior particularly in the context of criminal infractions transpiring in the city of Chicago.

Minimum qualifications for this position are a PhD or expected PhD in computer science, informatics, engineering, applied mathematics, statistics, computational biology, or a related field. The candidate must have a strong background in the theory and practice of machine learning principles, statistical analysis, stochastic processes, and some experience working with large datasets/databases. Proficiency in scripting languages (for example python, and use of machine learning libraries available in python) is required. Familiarity with C++ and use of associated standard template libraries, e.g. STL and Boost, is a plus. Women and members of underrepresented groups are encouraged to apply.

Interested applicants should forward documents to Ishanu Chattopadhyay, [ishanu@uchicago.edu](mailto:ishanu@uchicago.edu), which include: 1) cover letter, describing interest in and qualifications for pursuing interdisciplinary research; 2) curriculum vitae (including publications list); 3) contact information for two scholars who are willing to write letters of reference; 4) (optional) one or more examples of software written.

Positions can begin immediately. Compensation includes a competitive salary and benefits plan and assistance with relocation to Chicago.