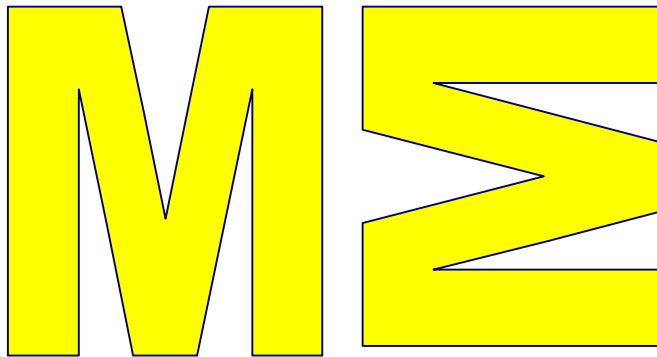


**MICHIGAN**



Postdoctoral Fellowship  
at the University of  
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## **STATISTICS**

We are currently looking for a postdoctoral fellow to join our Statistical Reinforcement Learning Group. The successful applicant will be expected to develop an innovative research program in multi-stage decision making. Our focus concerns statistical methods for constructing and evaluating clinical decision making policies using experimental trial data. These policies are known as dynamic treatment regimes in statistics. We combine statistical methods with algorithms from reinforcement learning so as to provide inferential tools such as confidence intervals.

In this position you will have the opportunity to collaborate with both statisticians (Susan Murphy, Ji Zhu, among others) and computer scientists (Joelle Pineau, Satinder Singh). And you will also have the opportunity to collaborate with clinical scientists in the development of clinical trials for constructing policies and in the analysis of the resulting data. To be considered for this position you must have a recent Ph.D. in Statistics, Computer Science, Operations Research or Electrical Engineering. This appointment will be for up to three years, with an annual renewal subject to satisfactory performance.

The University of Michigan is a non-discriminatory, affirmative action employer.

For more information or to apply for this position please send your CV and a statement of your interests to

Susan Murphy

[stat-posting@umich.edu](mailto:stat-posting@umich.edu)

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