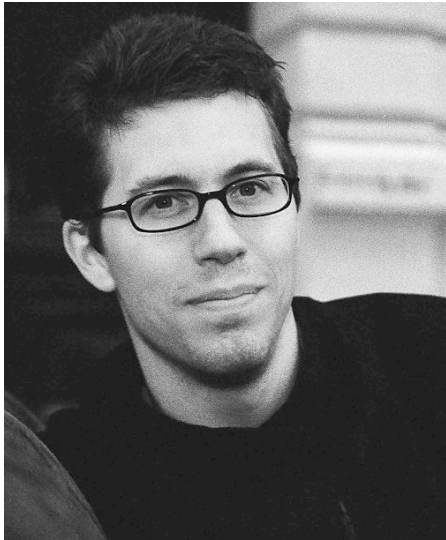


**Thursday, February 9**

Scaife Hall Auditorium

Room 125 at 4:30 p.m.

Refreshments at 4:00 p.m.

**Konrad Kording**

Associate Professor

Northwestern University

Rehabilitation Institute of Chicago

**Konrad Kording** has a PhD in physics from the Federal Institute of Technology (ETH), Zurich, Switzerland, where he worked on cat electrophysiology and neural modeling. He received postdoctoral training in London where he worked on motor control and Bayesian statistics. Another postdoc, partially funded by a German Heisenberg stipend, followed at MIT where he worked on cognitive science and natural language processing and deepened his knowledge of Bayesian methods. Since 2006 he has worked for the Rehabilitation Institute of Chicago and Northwestern University, where he received tenure and promotion to associate professor in 2011. His group is broadly interested in uncertainty, using Bayesian approaches to model human behavior and for neural data analysis.

**Moore's Law in Neuroscience**

Over the last five decades, progress in neural recording techniques has allowed the number of simultaneously recorded neurons to double approximately every 7 years, mimicking Moore's law. We are asking how such recording techniques will develop in the future. We have also started to quantify how data analysis techniques are affected by progressively larger numbers of recorded neurons. There are a range of promising techniques for the analysis of the resulting multi-variate data and I will give an accessible overview over these techniques.

**ECE Seminar Hosts**

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