



Genome Biology and Bioinformatics  
University of Toronto

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# Zoom Tea with Anne Carpenter



**AI + open data  
= drugs?**

**THURSDAY, APRIL 15 • 3-4 PM EST**

The GBB hosts Anne Carpenter for an informal chat about the impact of open biomedical data on drug discovery research in the era of AI. Deep learning and big data are impacting industries far beyond IT, but could they lead to a new way of discovering medicines? Based on her own research applying machine learning to images and drug screening, Anne will lead a discussion of how AI and open data are transforming drug discovery, from the incumbent “big-pharma” drug discovery pipelines to the new wave of venture-funded “bioAI” start-ups.

Anne Carpenter is a Principal Investigator, Institute Scientist and Senior Director of the Imaging Platform at the Broad Institute of MIT and Harvard. She developed the widely used CellProfiler open-source software for biological image analysis. She was recently named a Top-100 AI Leader in Drug Discovery & Healthcare, co-founded the CytoData Society and sits on the advisory board of Recursion Pharmaceuticals. Anne will be giving the keynote lecture at Toronto Biomedical Engineering Conference in June.

The GBB is a PhD program designed to facilitate training in genome-scale computational and experimental biology. Learn more at [gbb.utoronto.ca](http://gbb.utoronto.ca)