



# Genome Sciences Seminar

Wednesday, 10.2.19 | 3:30 | Foege Auditorium

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## Dr. Anne Carpenter

Institute Scientist

Senior Director of the Imaging Platform

Broad Institute of Harvard and MIT

## “Accelerating Drug Discovery Through the Power of Microscopy Images”

Anne Carpenter is senior director of the Imaging Platform at Broad Institute of MIT and Harvard, where she is also an institute scientist. With a strong background in cell biology, microscopy, and computational biology, her expertise is in developing and applying methods for extracting quantitative information from biological images, especially in a high-throughput manner.

Carpenter directs a team of biologists and computer scientists in developing image analysis and data exploration methods and software that are open source and freely available to the public. She and her team developed CellProfiler, the first open-source, high-throughput cell image analysis software. Carpenter is now a pioneer in image-based profiling, the extraction of rich, unbiased information from images for drug discovery, and functional genomics. She collaborates with dozens of biomedical research groups around the world to develop and apply image analysis methods to diverse biological questions. Her team works across many of Broad’s programs and platforms to help identify disease states, therapeutic potential, and gene function from microscopy images.

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Refreshments served outside the Auditorium at 3:20pm

Questions? Contact Brian Giebel at [bgiebel@uw.edu](mailto:bgiebel@uw.edu) or visit the Seminar website at <http://www.gs.washington.edu/news/seminars.htm>

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