

Beth Cimini, Ph.D.



Dr. Beth Cimini is the Lead Image Assay Developer at the Carpenter Lab/Imaging Platform at the Broad Institute of MIT and Harvard. After obtaining a BA in Biochemistry and Molecular Biology from Boston University, she completed her PhD in Biochemistry and Molecular Biology at University of California-San Francisco under Dr. Elizabeth Blackburn, where she used advanced microscopy and image analysis techniques to study the role of the telomere scaffold TIN2 on telomere length and protection in cancer cells. She now leads a team at the Broad Institute that is dedicated to collaborating with biologists around the world to create custom image analysis and informatics solutions. Her team has collaborated with over 60 separate groups in the last 3 years alone, enabling screening of bacteria, cells, organoids, tissues, and more advanced model

systems; they also contribute to cutting edge research in the Carpenter Lab such as helping host the 2018 Data Science Bowl, which helped create a universal nucleus detector that works across organisms and image types. Dr. Cimini serves as a co-maintainer of CellProfiler, an open source software package for biological image processing cited in over 1,000 papers per year. She currently serves on the board of directors for the Society for Biomolecular Imaging and Informatics, helping lead their Education committee and serving as a Scientific Program Director for their 2020 meeting.