Deep Learning for Microscopy Image Analysis

Marine Biological Laboratory, Woods Hole, MA USA

October 11 - October 22, 2020 | Application Deadline: July 7, 2020

COURSE DIRECTORS:
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This course will familiarize researchers in the life sciences with state-of-the-art deep learning techniques for microscopy image analysis (e.g., image denoising, translation, segmentation, classification, and tracking). The course will be organized into two phases of five days each: A lecture- and exercise-based phase to introduce tools and frameworks that facilitate independent application of the learned material after the course, followed by a project-based phase, where students will work together with numerous TAs to apply the newly acquired skills to their own datasets. Basic familiarity with the Python programming language is required. Students are encouraged to bring their own microscopy datasets to work on.

Full financial assistance is available.

This course is generously supported by:

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