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## The cell image library: An open source central repository and research platform for microscopy images

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The Cell Image Library (CIL) is a public and easily accessible resource database of images, videos, and animations of cells, capturing a wide diversity of organisms, cell types, and cellular processes. The purpose of this database is to advance research on cellular activity, with the ultimate goal of improving human health. This comprehensive and easily accessible Library is designed as a public resource first and foremost for research, and secondarily as a tool

for education. The long-term goal is the construction of a library of images that will serve as primary data for research. A discussion of the development of the open source library and a demonstration of the features focusing on large data sets will be presented. Lastly, there will be a discussion of new tools that have been incorporated to interact with the data in the CIL to aid in original research will be presented.

### Biography

David Orloff has worked on the Cell Image Library since its inception. His past positions have included communications and outreach, project management, product development, publishing, educational materials development, and managing contractual arrangements. He actively seeks collaborators for the Library including image submission as well as research tool collaboration.

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