

# Kirk J. Czymmek, Ph.D.

## Contact Information:

Kirk J Czymmek, Ph.D.  
Director, Advanced Bioimaging Laboratory  
Principal Investigator  
Donald Danforth Plant Science Center  
Affiliated Faculty, Saint Louis University Department of Biology  
975 North Warson Road|Saint Louis, Missouri 63132  
t:314.587.1261 | c:203.833.3476 |f:314.587.1503 |  
e:[kczymmek@danforthcenter.org](mailto:kczymmek@danforthcenter.org)  
[www.danforthcenter.org](http://www.danforthcenter.org)  
Twitter: [@AdvBioimaging](https://twitter.com/AdvBioimaging)

## Biography:

Dr. Kirk Czymmek received his doctorate in the Department of Botany and Plant Pathology at Michigan State University in 1993 followed by a post-doctoral position at the DuPont Company in CR&D Plant Molecular Genetics group. Subsequently, he worked with Noran Instruments in the confocal business group as an applications scientist before joining the University of Delaware (UD). At UD, Dr. Czymmek actively worked for 15 years to build an imaging capacity that led to the creation of the UD Bio-Imaging Center at the Delaware Biotechnology Institute, 2001. He served as its Director as well as being an Associate Professor in the Department of Biological Sciences with funded research on fungal cell biology and plant pathogenesis. In 2012, he joined ZEISS to build a world-class application, demonstration and training center for the ZEISS microscopy portfolio for North America which subsequently led to his role as Vice President Global ZEISS Microscopy Customer Centers and oversight of 8 customer centers world-wide. In 2019, Dr. Czymmek joined the Donald Danforth Plant Science Center as a Principal Investigator and Director the Integrated Microscopy Facility to apply and develop advanced microscopy tools in plant science dedicated to producing more nutritious food and improving the environment. With over 30 years of advanced microscopy experience, he has expertise in most forms of light, x-ray and electron microscopy, atomic force microscopy, single molecule imaging, super-resolution microscopy, cryo-techniques and correlative microscopy. Dr. Czymmek has over 100-refereed publications as his work has focused on developing and applying cutting-edge microscopy tools for imaging cells, tissues and biomaterials.

## Research Interest and topics covered

- Correlative Microscopy,
- Volume Electron Microscopy,
- Multiplex Microscopy,
- Imaging plants, microbes and their interactions.
- Sample preparation for light and electron microscopy
- Challenges and Strategies for Managing a Core Imaging Facility