CRYO-EM BIOSCIENCES

The Department of Cell & Developmental Biology and the University of Michigan announce the recruitment of faculty who apply cutting-edge methods of **correlative light and electron microscopy (CLEM)** to important biological problems. This recruitment is part of funding awarded through the University of Michigan Biosciences Initiative to enhance the university's strengths in biological and biomedical research. CDB and the Biosciences Initiative seek individuals who have a PhD, MD or other terminal degree, substantial postdoctoral research experience, and a significant publication record. The academic appointment will be at the assistant professor level (tenure track) in the Department of Cell and Developmental Biology in the Medical School. Successful candidates will be expected to establish a vigorous, externally-funded program of scholarly research, to become scientific leaders in their respective fields, and to participate in departmental and program activities including teaching at the graduate, medical, and/or undergraduate levels.

The University of Michigan Biosciences Initiative award will expand cryo-EM research through the hiring of faculty members in cryo-ET and CLEM and create a campus resource that includes: two Titan Krios microscopes each equipped with a Volta phase plate, energy filter, and K3 direct electron detector; Aquilos FIB-SEM; Leica EM Cryo CLEM light microscope; Talos Arctica with K2 direct electron detector; Glacios with Falcon 3EC direct electron detector and CetaD detector for microED; Tecnai T12 with US4000 CCD detector; and Morgagni for negative stain screening. In addition, the facility will house sample preparation equipment that includes the picoliter-dispensing Chameleon sample preparation robot from TTP Labtech in addition to two Vitrobot plunge-freezing devices. The cryo-EM facility is led by a resource director and three staff. We particularly seek candidates who are at the leading edge in developing new tools and techniques for integrating CLEM and cryo-ET sample preparation pipelines that will aid in answering challenging questions in cell biology.

University of Michigan Cryo-EM: lsi.umich.edu/cryo-EM

APPLICATION INSTRUCTIONS: Application materials are due on **Monday**, **September 30, 2019.** Interested applicants will submit a cover letter, curriculum vitae, a summary of future research plans (up to 3 pages), and contact information for three faculty who will write a letter of recommendation. Individuals from groups historically under-represented in the sciences are strongly encouraged to apply. Please apply using Interfolio: https://apply.interfolio.com/66349. For technical support for using Interfolio, please see the Job Applicant's Guide to Interfolio Faculty Search. For questions about the application process, please contact CryoEM-BSI@umich.edu.

"Michigan Medicine seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the diverse people of Michigan and to maintain the excellence of the University. We welcome applications from anyone who would bring additional dimensions to the University's research, teaching, and clinical mission, including women, members of minority groups, protected veterans, and individuals with disabilities. The Department and the University are committed to a policy of nondiscrimination and equal opportunity for all persons and will not discriminate against any individual because of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, height, weight, or veteran status. The University of Michigan is an Equal Employment Opportunity/Affirmative Action Employer."