



Expansion Technologies, Inc.
One Kendall Square, Ste. B4401
Cambridge, MA 02139

Expansion Technologies Summer Internship Program

At Expansion Technologies, we are revolutionising the early detection of diseases through our novel super-resolution imaging method, Expansion Microscopy (ExM), that physically expands biological specimens isotropically, coupled with cutting-edge multiplexed in situ analysis methods and machine learning. We are now working on a number of clinical collaborations with prestigious academic medical centres to enhance diagnostic accuracy, predict clinical outcome and improve treatment decision-making leveraging ExM's strengths in nanoscale imaging, biomolecular decrowding and signal amplification.

Job Description

Expansion Technologies (EXT) Summer Research Intern will support the screening and development of a suite of molecular tools for clinical imaging and biomarker discovery. Possible topics for study may include:

- Conduct literature research to identify potential molecular candidates
- Screen and validate antibodies for expansion microscopy on clinical samples
- Conduct fluorescent microscope imaging and perform image analysis
- Other topics based on mutual interest

As a member of our research team, the intern will have the opportunity to learn the latest molecular imaging technologies, be engaged in some of the most exciting challenges in translating benchside technologies into clinical application, and collaborate closely with scientists, engineers and clinicians.

Requirements

- Pursuing a bachelor, master or doctoral degree in biology, biochemistry, or biomedical sciences
- Knowledge and experience with cell biology and immunohistochemistry
- Experience in research laboratory work and diligent practice in logbook keeping

Additional strengths will be a bonus: Experience with confocal microscopy imaging; Experience with FIJI/ImageJ or other microscopy imaging analysis software.

Contact:

Interested candidates can send your CV to mahender@extbio.com

Expansion Technologies is an Equal Employment Opportunity (EEO) employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability status, or genetic information.