**Position Opening**

**Research Scientist**

A cryo-EM research scientist position at Indiana University Bloomington is available. This position is part of the IUB Electron Microscopy Center (<http://www.iu.edu/~iubemc/> ), which is a core facility that serves both the Bloomington and Indianapolis campuses of Indiana University. The IUB-EMC currently has three Ph.D. level staff that manage five electron microscopes, including an FEI Teneo Volume Scope SBF-SEM, a JEOL 1010 TEM, a JEOL 1400plus cryo-TEM, a cryo-equipped JEOL 3200FS (S)TEM, and our most recent addition, an FEI Talos Arctica cryo-TEM. The JEOL 3200FS is equipped with a DE-64 direct electron detecting camera (DDD) while the Talos Artica has both a Falcon III and Gatan K3 DDD camera and Volta phase plates. Our current cryoEM applications include single particle cryo-EM and cryo-electron tomography.  The Talos Artica will introduce micro electron diffraction to the campus.

IU Bloomington is located in the rolling hills and hardwood forests of southern Indiana. Bloomington is a liberal university town with a vibrant music and arts scene, but without the crowds and traffic of a large city. Indianapolis, Cincinnati, St. Louis and Chicago are all within a four-hour drive.

Compensation will be competitive based on experience.

The position will potentially begin in May, 2020. Interested candidates should review the application requirements and submit their application, cover letter, CV, a brief description (~2 pages) of past cryo-EM research experience, and three letters of recommendation at: <https://indiana.peopleadmin.com/postings/9289>

Questions regarding the position or application process can be directed to Roger Innes, IUB-EMC faculty director, 915 E 3rd St, Bloomington, IN 47405 [rinnes@indiana.edu](mailto:rinnes@indiana.edu)

Applications received by March 1, 2020 will be given full consideration; however, search will remain open until a suitable candidate is found.

**Responsibilities:**

* Help maintain and operate cryo electron microscopes and related equipment
* Regularly benchmark and optimize microscope performance for data collection
* Participate in methods development/optimization for cryo-EM, correlative light and electron microscopy (CLEM), and micro-ED applications
* Interact closely with/train users in the entire cryo-EM pipeline, including sample preparation, data collection, and data analysis.
* Maintain record of daily operations in the facility

**Minimum Qualifications:**

* Ph.D. in biology, biochemistry, or chemistry (or related discipline)
* Previous experience in cryo transmission electron microscopy (one or more of the following: single particle analyses, cryo-electron tomography, correlative light and electron microscopy, cryo-electron diffraction)
* Excellent computational/data analysis skills
* Excellent record-keeping skills

Applicants should be good team players, and enjoy an open, collaborative and mutually respectful team environment. We are especially looking for applicants that are motivated to learn new technologies, take on new challenges, and to develop new methods and techniques. Applicants must possess good communication and people skills and enjoy interacting with various levels of users and collaborators.

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The Annual Security and Fire Safety Report, containing policy statements, crime and fire statistics for all Indiana University campuses, is [available online](https://protect.iu.edu/police-safety/annual-reports/index.html). You may also request a physical copy by emailing IU Public Safety at [iups@iu.edu](mailto:iups@iu.edu).