

Senior and Junior Faculty Positions in Imaging Sciences, Georgia State University, Atlanta, GA, USA

Georgia State University (GSU) invites applications to fill the first of two senior-level tenured faculty positions in imaging sciences at the Associate or Full Professor level along with a tenure-track position at the Assistant Professor level. GSU has a broad range of expertise in imaging science that extends from the nano and microscopic to the astronomical scale, and the University supports several imaging-related centers and institutes, including the Center for Translational Research in Neuroimaging and Data Science (TReNDS), the Center for High-Angular Resolution Astronomy (CHARA), the Center for Advanced Brain Imaging (CABI), the Creative Media Industries Institute (CMII), and the Institute of Biomedical Sciences.

As a part of its Next Generation Initiative, GSU is bringing together its imaging expertise into a cross-discipline Imaging Hub. Several faculty hires are supporting this effort. In this initial round of hiring, we are recruiting the first of two senior-level faculty members who can work across at least two of the constituent disciplines in the hub and expand the hub's scope and capabilities. The Departments involved in this initiative are Physics and Astronomy (<https://www.phy-astr.gsu.edu>), Computer Science (<https://www.cs.gsu.edu>), Mathematics and Statistics (<https://www.mathstat.gsu.edu>), Chemistry (<https://chemistry.gsu.edu>), Psychology (<https://psychology.gsu.edu>), and Neuroscience (<https://neuroscience.gsu.edu>). We are also recruiting for a junior level position to work across two of the constituent disciplines in the hub with preference being given to candidates with experience in the development of optical microscopy imaging and its applications in chemical sciences and materials engineering.

GSU, the largest University in Georgia, is an enterprising urban research university located in downtown Atlanta and home to one of the most diverse student bodies in the country. The University is committed to diversifying its faculty and generating innovative research. We strongly encourage applications from members of underrepresented groups in the physical sciences.

Required qualifications: Applicants should have a Ph.D. in any of the disciplines represented in the hub or a field closely related to one of the disciplines. They should have a strong desire to work in a cross-disciplinary, collaborative environment. New hires will be expected to develop and lead innovative, externally funded research programs in areas that complement the Imaging Hub's current strengths. They will also be expected to demonstrate a commitment to excellence in the teaching and mentoring of undergraduate and graduate students and take an active role in GSU's service activities and the wider profession.

Preferred qualifications: we are particularly interested in candidates with experience in one or more of the following areas – the design and fabrication of novel imaging systems, imaging-based research related to space situational awareness, brain/body imaging, astronomical imaging methods, image reconstruction, and processing, imaging approaches to link across scales (spatial, temporal, molecular, environmental), medical imaging, or microscopic and nanoscopic imaging and analysis, computer vision, object/pattern recognition, content-based image retrieval, and

deep neural networks. We are also looking for candidates who have demonstrated experience working in a collaborative environment across different research fields.

A complete application will include: 1) a curriculum vitae with a publication list, 2) a statement of research interests describing how the proposed research will be synergistic with and complement existing research at GSU, 3) a statement of teaching and mentoring philosophy and experience, 4) a statement on diversity, and 5) contact information for at least three professional references. All materials should be submitted in a single PDF file via email to ImagingHubsearch@astro.gsu.edu. Questions may be addressed to the search committee chairs, Dr. Stuart Jefferies, at sjefferies@gsu.edu, Dr. Fabien Baron at baron@astro.gsu.edu, and Dr. Vince Calhoun at vcalhoun@gsu.edu.

An offer of employment will be conditional on background verification. Georgia State University is an Equal Opportunity Employer and does not discriminate against applicants due to race, ethnicity, gender, veteran status, or on the basis of disability or any other federal, state, or local protected class.