

Job Title	Postdoctoral Position in Gravitational Lensing, AGN, and Mac
PVN ID	LE-2011-003759
Category	Research
Location	LEHMAN COLLEGE
Department	Physics and Astronomy
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Jan 09, 2021 (Or Until Filled)

General Description

We invite applications for a postdoctoral research position at the City University of New York to work with the FutureLens collaboration studying strongly lensed quasars in the upcoming Rubin Observatory/LSST and Euclid surveys. FutureLens is a program funded by Schmidt Futures to build key components of the pipeline for the modeling and analysis of lens systems, in collaboration with the LSST DESC and SLSC, and the Euclid science collaborations.

We are looking for a talented researcher to lead aspects of this effort, and in particular to solve some of the significant data challenges presented by the survey. The successful candidate would be expected to participate in the scientific goals of the collaboration, and to pursue their own related scientific goals. The scientific interests of FutureLens broadly include microlensing studies of quasar structure, and cosmology from time delay measurements. The ideal candidate will have strong computational and data skills, as well as a background in relevant subfields. Experience with machine learning is a significant plus.

This position is based at the City University of New York, Lehman College, and we envisage time spent at one or more of the collaborating institutions: the University of Montreal, Stanford University, Universidad Andrés Bello, and École Polytechnique Fédérale de Lausanne.

Applicants must have earned a PhD in astronomy, astrophysics, or a related field at the time of appointment. The initial appointment will be for two years, with extensions up to 4 years possible where funding permits. We offer a competitive starting salary and research funds commensurate with qualifications.

Other Duties

Qualifications
