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## POSITION ANNOUNCEMENT

### **POSTDOCTORAL ASSOCIATE IN Exoplanet, Stellar, and Solar Research**

Applications are invited for a postdoctoral position at Lowell Observatory to work on Exoplanet, Stellar, and Solar Research. This position will be supervised by Dr. Joe Llama.

The Postdoctoral Researcher will work with Dr. Joe Llama on characterizing the intrinsic variability of stars to detect small exoplanets. The successful candidate will use data collected with the solar feed into the EXtreme PREcision Spectrograph (EXPRES) to develop models of the induced variability caused by surface magnetism on solar-type stars. The models will be applied to observations of the Sun, and other stars, obtained with planet planet-hunting spectrographs such as EXPRES, NASA's NEID, and supplement these observations with other publicly available datasets. The position is expected to be split with 80% of the time dedicated to the main program and 20% for any other research of the postdoc's choosing.

The initial appointment is for two years, renewable for a third year contingent upon satisfactory performance. The start date is negotiable. This position is funded by active grants and comes with a competitive salary with full benefits. Funding is available for computer resources, attending conferences, publication charges, and observing runs. Postdocs at the Observatory have access to our 4.3-m Lowell Discovery Telescope (LDT) including EXPRES, as well as several 1-m class telescopes. Lowell offers numerous opportunities for involvement in education and public outreach.

## QUALIFICATIONS AND EXPECTATIONS

A Ph.D. in Physics, Astrophysics, Heliophysics, or closely related field by the start date of the appointment.

Candidates with a background in stellar activity and analysis of radial velocity observations are highly encouraged to apply.

Regular meetings with project team members are expected, but in general the postdoc will be encouraged to work independently. They must be able to prioritize tasks, set schedules, troubleshoot problems, and complete complex tasks on time and within deadlines.

The postdoc is expected to reflect the professional and collegial environment the Observatory strives to maintain.

## RESPONSIBILITIES

- Conduct original and novel research relevant to solar, stellar, and exoplanetary science.
- Attend regular meetings with team members.
- Ability to work independently.
- Lead publications relevant to this work.
- Present findings at scientific meetings.
- Conduct regular telescopic observations, either remotely or on site.
- There are opportunities for Lowell scientists to develop their science communication skills as part of the observatory's education and public outreach mission.

- The postdoc is expected to reflect the professional and collegial environment the Observatory strives to maintain.

## WORKING CONDITIONS

Working at a computer and sitting for extended periods. Driving to remote telescope sites to conduct nighttime observations. Candidates must have or be able to obtain a valid AZ Driver's license and have an excellent driving record. A Motor Vehicle department background check will be performed annually.

<b>FLSA Classification:</b>	Salary/Exempt
<b>Status:</b>	Full time, regular
<b>Term:</b>	2 years with possibility of renewal for 3rd year
<b>Benefit Eligible:</b>	Yes*
<b>Location:</b>	Flagstaff, Lowell Observatory's Mars Hill Campus

### To Apply:

Please send a *single pdf document* to [sciencejobs@lowell.edu](mailto:sciencejobs@lowell.edu) that includes the following:

- Subject line: Exoplanet Postdoctoral Associate
- Lowell Short Form Application (<https://lowell.edu/about/career-opportunities/>)
- A 1-page cover letter
- CV
- A statement of research accomplishments and future research plans. *Candidates should explicitly describe how their experience and interests are relevant to this position.* (3 pages)
- The names and email addresses of three individuals who have agreed to send reference letters by December 15<sup>th</sup> 2022 to [sciencejobs@lowell.edu](mailto:sciencejobs@lowell.edu). Candidates should request the reference letters themselves.

**Applications received by December 15<sup>th</sup>, 2022 will receive full consideration. The anticipated start date is Spring/Summer 2023.**

\*Benefits Overview: In addition to 11 scheduled paid holidays, Lowell Observatory offers a Flexible Paid Time Off policy for all full-time, benefit eligible employees which allows you to determine how much time you need to rest and enjoy yourself outside of work. Paid time off also includes paid Parental and FMLA leaves. The cost of premiums for medical, life & long term disability insurances for benefit eligible employees is 100% paid by the company, and includes a contribution to either an H.S.A or HRA account for first dollar medical expenses. A portion of dependent medical insurance is paid by the company. Up to a 5% match on retirement contributions after 6 months of employment and funds in lifestyle spending account provided by the observatory.

### Employment is subject to passing a background check

Lowell Observatory is proud to be an equal opportunity workplace and is an affirmative action employer. We are committed to equal employment opportunity regardless of race, color, ancestry, religion, sex, national origin, sexual orientation, age, citizenship, marital status, disability, gender identity or Veteran status. Lowell Observatory has always been, and always will be, committed to diversity and inclusion. We seek individuals from all backgrounds to join our teams, and we encourage our employees to bring their authentic, original, and best selves to work.

Lowell Observatory sits at the base of mountains sacred to tribes throughout the region. We honor their past, present, and future generations, who have lived here for millennia and will forever call this place home.

Lowell Observatory is committed to providing access, and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. Our non-smoking campus is at an elevation of 7,200ft/2200m, and the LDT is 40 miles south of Flagstaff at an elevation of 7,800 ft/2370m. If you need a reasonable accommodation for any part of the application and hiring process, please notify the Human Resources office for assistance.