

# Junior Specialist – The Radio Astronomy Lab

Job #JPF04108

- Radio Astronomy Lab / VC Res Organized Research Units / UC Berkeley



We are no longer accepting applications for this recruitment. [Browse open recruitments](#)

## POSITION OVERVIEW

**Position title:** Assistant Specialist

**Salary range:** The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table for the current salary scale(s) for this position: [[https://www.ucop.edu/academic-personnel-programs/\\_files/2023-24/july-2023-acad-salary-scales/t24-b.pdf](https://www.ucop.edu/academic-personnel-programs/_files/2023-24/july-2023-acad-salary-scales/t24-b.pdf)]. A reasonable estimate for this position is \$51,300–\$59,200.

**Percent time:** 100

**Anticipated start:** 11/1/2023

**Position duration:** Initial appointment is a one-year term; reappointment is dependent upon performance, programmatic need, and budget.

## POSITION DESCRIPTION

The Radio Astronomy Laboratory at the University of California, Berkeley seeks applications for a Junior Specialist in radio astronomy instrumentation and data analysis, directed by Professor Aaron Parsons or Dr. David DeBoer. Research in the lab addresses the electromagnetic and radio frequency (RF) system design and analysis, modeling for the design, optimization, use and data analysis of radio telescopes and the resultant data.

The junior specialist will be expected to work collaboratively with a research team to design and model radio frequency systems that meet the specifications to conduct sensitive radio astronomical observations. The candidate will also be assisting with experiment design, data analyses, and the preparation of research for publication. The position may require travel to remote telescopes as well as working in a RF lab with sensitive equipment.

Responsibilities:

- Will aid in designing and optimizing RF systems appropriate for sensitive radio astronomical observations.
- Will be assisting with using RF systems and conducting data analysis and the preparation of research for publication
- Will be working in a team environment to deploy and conduct observations and analyze data.

**Division:** <https://vcresearch.berkeley.edu/research-unit/radio-astronomy-laboratory>

## QUALIFICATIONS

**Basic qualifications** (required at time of application)

Bachelor's degree or equivalent international degree

**Preferred qualifications**

- At least 2 years of coursework in astrophysics or electrical engineering
- A strong background in programming and software engineering
- Experience with machine-learning frameworks and parameter optimization
- Experience with GPU programming frameworks
- Strong oral and written communication skills
- Ability to multi-task and prioritize work with demanding time-frames
- Demonstrated interpersonal skills to establish and maintain cooperation working with relationships with a multi-diverse campus

## APPLICATION REQUIREMENTS

**Document requirements**

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement on Contributions to Advancing Diversity, Equity, and Inclusion - Statement on your contributions to diversity, equity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion if hired at Berkeley (for additional information go to <https://ofew.berkeley.edu/recruitment/contributions-diversity>).

## Reference requirements

Junior Specialist - The Radio Astronomy Lab (JPF04108)

- 3 required (contact information only)

**Apply link:** <https://aprecruit.berkeley.edu/JPF04108>

**Help contact:** [ajoga@berkeley.edu](mailto:ajoga@berkeley.edu)

## ABOUT UC BERKELEY

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service, consistent with [UC Regents Policy 4400](#) and University of California Academic Personnel policy ([APM 210 1-d](#)). These values are embedded in our [Principles of Community](#), which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

The University of California, Berkeley is an Equal Opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

For more information, please refer to the [University of California's Affirmative Action and Nondiscrimination in Employment Policy](#) and the [University of California's Anti-Discrimination Policy](#).

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the [UC Berkeley statement of confidentiality](#) prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

Unless stated otherwise, unambiguously, in the position description, this position does not include sponsorship of a new consular H-1B visa petition that would require payment of the \$100,000 supplemental fee.

As a condition of employment, the finalist will be required to disclose if they are subject to any **final** administrative or judicial decisions within the last seven years determining that they committed any misconduct.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment or discrimination, as defined by the employer.
- [UC Sexual Violence and Sexual Harassment Policy](#)
- [UC Anti-Discrimination Policy](#)
- [APM - 035: Affirmative Action and Nondiscrimination in Employment](#)

## JOB LOCATION

Berkeley, CA