**Recruitment Announcement for Postdoctoral Positions in Purple Mountain Observatory in 2024 (Phase I)**

* Purple Mountain Observatory (PMO) in Nanjing, Jiangsu, is an institution directly under the Chinese Academy of Sciences (CAS). PMO was established in May 1950 from the former Institute of Astronomy of the Academia Sinica, which was founded in February 1928. PMO was the first China’s own modern astronomical institute and is known as the “Cradle of Modern Astronomy in China”.
* In the new era, PMO constantly consolidates its dominant position in fields of space astronomy and Antarctic astronomy to solve the critical scientifical issues of astronomy (“Two Darks, One Black, Three Origins”); focuses on innovations in space weather, human living environments, and deep space exploration to meet significant national needs; builds China’s first-class research base in fundamental astronomy, application, and strategic high technologies, and builds high-level talent training base and international astronomical research center to construct a complete system including astronomy and technological innovation.
* During the 14th Five-Year Plan period, PMO aims for the world scientific and technological frontiers in astronomy, is guided with the requirements of the national strategies, strives for an international famous comprehensive research institution that plays a leading role in fields of indirect detection of dark matter particles, space-based solar observations, and millimeter/submillimeter astronomy, and so on.
* PMO has a first-class post-doctoral mobile station of astronomy, who is now recruiting post-doctors from both domestic and abroad in 2024. Post-doctors will be integrated into the management of Special Research Assistants, and can apply for the Jiangsu Province Excellent Postdoctoral Program. Young talents who would like to dedicate themselves into astronomy as a career are cordially welcome.
* **Post-Doctoral Recruitment Information**

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| **Number** | **Recruitment direction** | **Professional background and other requirements** | **Co-adviser** | **Email** |
| 1 | Observational Study on Galactic Molecular Clouds. | Good at molecular line /neutral HI observations and data analysis, with strong research capability proved by publications and other records. | Ji YangXuepeng Chen | jiyang@pmo.ac.cnxpchen@pmo.ac.cn |
| 2 | Galaxy evolution and cosmology studies with strong gravitational lensing. | Hold a Ph.D. in Astronomy, Physics, or a related field by the time of appointment; Has working experience in strong lensing and good knowledge on galaxy evolution and/or cosmology; previous experience in code development is considered a plus. | Yiping ShuGuoliang Li | yiping.shu@pmo.ac.cnguoliang@pmo.ac.cn |

1. **Application requirements**

1) Holding a PhD degree or being a PhD candidate, and generally being under 35 years of age, otherwise extra application for breaking the rule is necessary.

2) Being excellent in both character and learning, being good health and having good team spirit.

3) Having a research background in the relevant area, having the capacity to conduct independent research, having strong research and innovation abilities, and good expression and communication skills.

4) PhD graduates from PMO, with degrees of University of Science and Technology of China, can apply for post-doctors normally. These graduates who would like to stay for a post-doctor research shall contact the Human Resources and Education Office of PMO.

1. **Treatments and appointment period**

Post-doctors are integrated into the management of Special Research Assistants, and the contract periods depend on the duration of post-doctor positions. Evaluations for post-doctors are carried out in accordance with the relevant state policies.

1. **Project support**

1) Post-doctors can apply for Special Research Assistant of CAS, once selected, CAS and PMO will offer 800,000 RMB funds (CAS 600,000 + PMO 200,000) for 2 years. Post-doctors who are granted Special Awards of the President of CAS, International Postdoctoral Exchange Fellowship Program (Talent-Introduction Program), or Postdoctoral Innovative Talent Support Program are directly included in the scope of Special Research Assistant of CAS without filling the funding quota.

2) Post-doctors are encouraged to apply for Jiangsu Province Excellent Postdoctoral Program, and the selected post-doctors are funded 300,000 RMB in 2 years, which will not affect salaries offered by the institutions.

3) Post-doctors are encouraged to apply for postdoctoral international exchange programs and scientific fundings (Postdoctoral Innovative Talent Support Program, Special Funding, Postdoctoral Grants, and so on), and the National Natural Science Foundation of China, etc. Outstanding foreign young scholars can also apply for CAS PIFI for Postdoctoral Researchers.

1. **Future growth opportunity**

1) Post-doctors under the management of Special Research Assistants can apply for PMO relevant jobs if they meet the application conditions for associate professors or above. Post-doctors who meet the requirements of CAS talent programs can apply for corresponding ones in accordance with the CAS and PMO relevant policies. Post-doctors can apply for CAS Funded Overseas Study Program (Special Research Assistant Program).

2) The post-doctors granted Jiangsu Province Excellent Postdoctoral Program will be included in 333 High-Level Talent Training Project (Level-3) if they complete their post-doctor works and find jobs in Jiangsu.

1. **How to apply**

 1) Interested applicants shall send the following electric materials entitled “Applicant name – Apply for postdoctoral position – Co-advisor name” to duqs@pmo.ac.cn, with a copy to their co-advisors as well. Required application documents include:

① Fill in the “Purple Mountain Astronomical Observatory Application Form for Postdoctoral Position”;

② A research plan for post-doctoral period;

③ Other documents that represent the abilities and academic aptitudes of the applicants.

2) Recruitment throughout the year.

**Contact information**

Mr. Qiusheng Du

Email: duqs@pmo.ac.cn

Mail Address: Human Resources and Education Office, Room 402, Building 2, Purple Mountain Observatory, 210023, No. 10 Yuanhua Road, Qixia District, Nanjing, Jiangsu, China

**Attachments**

1. Purple Mountain Observatory Recruitment Table for Postdoctoral Positions in 2024 (Phase I).
2. Purple Mountain Observatory Application Form for Postdoctoral Position.