

Recruitment for School of Natural Science Researcher

I Recruitment Details

No.	Position/Research field	No. of opening	Responsibility / Eligibility & Preference
PHY-5-1	Postdoctoral Researcher a. Research topics: (1) High energy astrophysics phenomena in compact objects (2) Neutrino Astrophysics b. Research field: (1) High energy astrophysics (2) Computational astrophysics	1	[Responsibility] -Perform research project [Eligibility] -Must possess Ph.D. degree in astronomy and astrophysics field -Must have more than 3 publications (SCI papers) in last 5 years [Preference] -Related research experience [Contract period] 2020.10.01 ~ 2021.09.30.(1 year) [Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00) [Working Place] UNIST, CHEA (Center for High Energy Astrophysics)
PHY-5-2	Postdoctoral Researcher a. Research topics: (1) Tidal disruption events (2) Interaction between gas (and/or stars) and binary black holes b. Research field: (1) High energy astrophysics (2) Computational astrophysics	1	[Responsibility] -Perform research project [Eligibility] -Must possess Ph.D. degree in astronomy and astrophysics field -Must have more than 3 publications (SCI papers) in last 5 years [Preference] -Related research experience [Contract period] 2020.10.01 ~ 2021.09.30.(1 year) [Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00) [Working Place] Chungbuk National University (Lab of Prof. Kimitake Hayasaki)
PHY-5-3	Postdoctoral Researcher a. Research topics: (1) Nuclear reactions in Heavy-ion collisions (2) Understanding dense nuclear matter and internal structure of neutron stars b. Research field: (1) Nuclear and astrophysics (2) High energy astrophysics	1	[Responsibility] -Perform research project [Eligibility] -Must possess Ph.D. degree in astronomy and astrophysics field -Must have more than 1 publications (SCI papers) in last 1 years [Preference] -Related research experience [Contract period] 2020.09.01 ~ 2021.08.30.(1 year) [Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00) [Working Place] UNIST

PHY-5-4	Postdoctoral Researcher (Gravitational-wave data-analysis)	1	<p>[Responsibility] - Perform research project The Center of High Energy Astrophysics (CHEA) of UNIST in collaboration with Sejong University invites applications for a postdoctoral position to work on gravitational wave data-analysis in connection with LIGO-Virgo-KAGRA or gravitation in cosmology about the de Sitter scale of acceleration. The goal of this position is the development of a KAGRA pipeline for un-modeled searches from extreme transient events in the Local Universe or address various tensions in modern cosmological observations, related but not limited to the H0-tension problem. The successful candidate will play a leading role in one or several aspects of integration with the KAGRA detector or pursue theory and data-analysis broadly in the area of cosmology.</p> <p>[Eligibility] - Candidates are expected to hold a PhD in astrophysics, computer science or closely related field. - The candidate will be working at the Department of Physics and Astronomy at Sejong University. - Special treatment for foreign language (English) fluent</p> <p>[Contract period] 2020.10.01.~2021.09.30. (1 years)</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] Sejong University</p>
PHY-5-5	Researcher - Experimental Soft Matter/Statistical Physics, Microbiology	1	<p>[Responsibility] -Growing microbes or Optically observing provided microbes -Designing/Conducting statistical physics experiments with microbes -Statistical physics-analysis of experimental data -More than one of the above-mentioned jobs</p> <p>[Eligibility] -Must possess Master or PhD degree regardless of fields</p> <p>[Preference] -Preference to applicants who possess PhD degree regardless of fields -Preference to applicants with experience in experiments with microbes and optical microscopy -Fluent English Speakers, also with very good writing skills</p> <p>[Contract period] 2020.09.01 ~ 2020.08.31 (1 years), Contract is renewable</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] UNIST Building#108, Room#505</p>
PHY-5-6	- Postdoctoral Researcher - Research field: Computational physics and computational chemistry	1	<p>[Responsibility] - Perform a study on the computational physics related to the photoelectric effect of solid materials</p> <p>[Eligibility] - must possess Ph.D. degree - must have first author and presenter career of SCI last 5 years</p> <p>[Contract period]</p>

			<p>2020.10.01.~2021.09.30 (1year) - Start time can be adjusted depending on the situation</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] Bldg.108 Rm.409</p>
MTH-5-1	<p>Postdoctoral Researcher - Number Theory and its related field (Algebraic Geometry and Harmonic Analysis)</p>	5	<p>※ 'Research statement' submission is required.</p> <p>[Responsibility] -Perform your own research -Collaborate with professors -Help organizing Seminars and Conferences.</p> <p>[Eligibility] -must possess Ph.D. in Math</p> <p>[Preference] -Strong background in Number Theory or related fields (Algebraic Geometry and Harmonic Analysis)</p> <p>[Contact Period] -2020.09.01. ~ 2023.02.28.</p> <p>[Work Hours] -5days a week, 8 hours a day (9am~6pm)</p> <p>[Working place] Building 108 3floor, Room for postdoc fellows</p>
CHM-5-1	<p>Researcher / Postdoctoral researcher</p>	1	<p>[Responsibility] -Perform research project</p> <p>[Eligibility] -must possess Ph.D. degree in chemical field -must have more than 2 years of Postdoctoral researcher</p> <p>[Preference] -Related research experience</p> <p>[Contract period] 2020.09.01 ~ 2021.08.31.(1 year)</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] 108-705</p>
CHM-5-2	<p>Postdoctoral Researcher - Organic semiconductor based electronic devices/sensors, soft/wearable electronics</p>	1	<p>[Eligibility] -Must possess Ph.D. degree in natural science or engineering -Must have more than 1 publications in last 3 years -Experience in organic electronics/wearable electronics are preferred</p> <p>[Contract period] 2020.09.01 ~ 2021.08.31.(1 year)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] bldg.108, Room 808</p>
CHM-5-3	<p>Postdoctoral Researcher -Organic & Bioorganic Chemistry</p>	1	<p>[Responsibility] -Perform Organic or Bioorganic Chemistry research project</p> <p>[Eligibility] -must possess Ph.D. degree in Organic Chemistry or Bioorganic</p>

			<p>Chemistry field -must have more than 3 publications in last 5 years</p> <p>[Preference] -Related research experience -Fluent English Speakers, also with very good writing skills</p> <p>[Contract period] 2020.09.01 ~ 2021.08.31.(1 year)</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] Bldg 108, Lab 904</p>
CHM-5-4	<p>Research Position - Organic & Bioorganic Chemistry</p>	1	<p>[Responsibility] -Perform Organic or Bioorganic Chemistry research project</p> <p>[Eligibility] -must possess Master degree in Organic Chemistry or Biology Science field -must have more than 1 publications</p> <p>[Preference] -Related research experience</p> <p>[Contract period] 2020.09.01 ~ 2021.08.31.(1 year)</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] Bldg 108, Lab 904</p>
CHM-5-5	<p>Postdoctoral Fellow – Perovskite solar cell analysis</p>	1	<p>[Responsibility] -Perform perovskite research project -Daily operation of perovskite research and analysis</p> <p>[Eligibility] -must possess Ph.D. degree in chemistry field -must have more than 3 publications in last 5 years</p> <p>[Preference] -Related research experience -Fluent English Speakers, also with very good writing skills</p> <p>[Contract period] 2020.09.01 ~ 2020.10.30. (2 months)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00)</p> <p>[Working Place] Center for Superfunctional Materials, UNIST</p>
CHM-5-6	<p>Gas phase spectroscopy or atomic and molecular physics</p>	2	<p>[Responsibility] -Perform research projects on manipulating molecules using optical standing waves and grazing incidence matter-wave optics</p> <p>[Eligibility] -An applicant should have a doctoral degree -An applicant should have at least 3 SCI published papers relevant</p> <p>[Contract] -2020.09.01.~2021.08.31. (can be extended)</p>

			[Working hours] -5 days a week (Mon-Fri), 8 hours a day (9: 00 -18: 00) [Working Place] Bldg. 103, Rm. 401-2
CHM-5-7	Research Position	1	[Responsibility] - Metal-organic framework synthesis and characterization [Eligibility] - Chemistry major needed - No prior knowledge [Contract period] 2020.09.01 ~ 2021.08.31.(1 year) [Work hours] 5 days a week (Mon-Fri), 6 hours a day (10:00 – 17:00) [Working Place] Bldg. 108, Rm. 704-1

※ **Note**

- 1) Contract is initially for 1 year but can be extended, depending on job performances and continuation of the funding
- 2) In the absence of suitable candidates, nobody can be selected.
- 3) Candidates can be selected as candidates for employment, and candidates can be hired according to the candidates' rankings if the candidates for recruitment are found out or there are vacancies in the same field within six months of appointment.

II Screening & Other Information

Screening Stage	how to select	
Document Screening	Evaluate the suitability of recruitment area, select 3 times the number of candidates that the opening in order of the highest total score.	
Interview Screening	Evaluation of research performance and specialties and job performance ability in recruitment area	

III Reasons for Exclusion, Restriction of Support Age, and Others

○ Exclusion

- Eligible physical examination or reasons for disqualification of employment under Article 33 of the National Civil Service Act. Those who have been rejected as a result are excluded from appointment.
- Persons whose identity has been identified as a result of an inquiry and a survey of candidates for recruitment (final interview candidates) in accordance with the original rules may be canceled through discussion.

- If a person is found to have a final appointment and has been found to be false, application forgery, or fraudulent employment is found, the appointment may be canceled if a reason for disqualification under Article 33 of the Civil Service is found.
- No age limit
- Other
 - Inclusion of personal information such as the name of schools applicants attended and family relationship, etc. in the Application Form (including The Self Introduction) is prohibited because it may lead to bias.
 - In case of the disabled, additional points are granted to promote employment of persons with disabilities (5% of perfect scores by stage)
 - You must be able to work immediately after appointment.

IV Application Method & Period

- How to Apply
 - Fill out the prescribed form and submit the scanned copy(PDF) via e-mail.
 - E-mail: SNS_recruit@unist.ac.kr
 - Documents to be submitted:
 - 1) Attached application form** (including application, self-introduction letter, Agreement to provide personal information to third parties)
 - 2) Research statement** (Free form, Requested to MTH-5-1 applicants only)
- Application Period
 - From 25 July, 2020 to 9 August, 2020 15:00 GMT +09:00 (KST)
 - Only applications that arrived during the period are Valid.
- Recruitment candidates
 - Job candidates are selected within the scope of the number of applicants in the order of the high score of the interview.
 - If there is no qualified person as a result of the interview, the original number of candidates may be reduced or not selected.
 - Criteria for Handling Successful Candidates by Ties
 - . In case of tie in each stage of the selection, (priority) veterans, (priority) persons with disabilities,
 - (Priority 3) High school graduates, (Priority 4) Non- metropolitan area talents, (Priority 5) Higher English test scores (Priority 6)
 - ※ If there is no qualified person, applicants may not be selected.
- Final appointment

- If there are no special matters after conducting an identity check and hiring examination for public officials, candidates will be finally hired.
- The appointment can be canceled if false facts are found in the documents submitted after the final appointment has been confirmed and appointed, or if the reason for disqualification under Article 33 of the National Civil Service Act is found.

V Recruitment Schedule

- Schedule (※There may be some changes to the schedule.)
 - Application Submission : 25 July to 9 August, 2020 15:00 GMT +09:00 (KST)
 - Document Screening: 12 August, 2020
 - Announcement of successful applicants : 14 August, 2020
 - Interview : 18 August to 19 August, 2020
 - Appointment: After 1 September, 2020

VI Contact

- Ulsan Institute of Science and Technology (UNIST) School Natural Science administration office.
Tel: +82-52-217-3602, SNS_recruit@unist.ac.kr
 - Address: No. 50, 108-dong 701-12, Unist-gil, Eonyang-eup, Ulju-gun, Ulsan