

Recruitment for School of Natural Science researcher

I Candidates and Eligibility

No.	Position/Research field	No. of persons recruited	Responsibility / Eligibility & Preference
PHY-4-1	Postdoctoral Position - Computational Astrophysics	1	<p>[Responsibility] - Perform research project</p> <p>[Eligibility] - Must possess Ph.D. degree in computational/theoretical astrophysics field</p> <p>[Preference] - Experiences in numerical hydrodynamics and interstellar medium research</p> <p>[Contract period] 2020.08.16 ~ 2021.08.15 (1 year)</p> <p>[Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] [Responsibility] - Perform organic synthesis - preparation of paper(s), patent(s) or report(s)</p> <p>[Eligibility] - Ph.D. or Ph.D. candidate (2020 Aug) - 2 or more publications in organic synthesis (first author)</p> <p>[Preference] - Related research experience - Fluent English</p> <p>[Contract period] 2020.09.01 ~ 2020.08.31.(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. 104 Rm.411</p>
PHY-4-2	Postdoctoral Position a. Research topics: (1) High energy astrophysics phenomena in galaxy clusters (2) High energy astrophysics phenomena in compact objects b. Research field: (1) High energy astrophysics (2) Computational astrophysics	2	<p>[Responsibility] - Perform research project</p> <p>[Eligibility] - Must possess Ph.D. degree in astronomy and astrophysics field - Must have more than 3 publications (SCI papers) in last 5 years</p> <p>[Preferential] - Related research experience</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] UNIST, CHEA (Center for High Energy Astrophysics)</p>
PHY-4-3	Postdoctoral Position a. Research topics: (1) Tidal disruption events (2) Interaction between gas (and/or stars) and binary black holes b. Research field: (1) High energy	1	<p>[Responsibility] - Perform research project</p> <p>[Eligibility] - Must possess Ph.D. degree in astronomy and astrophysics field - Must have more than 3 publications (SCI papers) in last 5 years</p> <p>[Preferential] - Related research experience</p>

	astrophysics (2) Computational astrophysics		<p>[Contract period] 2020.10.01 ~ 2021.09.30.(1 year)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] Chungbuk National University (Lab of Prof. Kimitake Hayasaki)</p>
PHY- 4-4	Postdoctoral Researcher - Research field: Computational physics and computational chemistry	1	<p>[Responsibility] - Perform Computation Physics of research project</p> <p>[Eligibility] - Ph.D. Scheduled or Ph.D. degree - must have more than SCI 10 publications in last 5 years</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 Rm.409</p>
PHY- 4-5	Researcher / Postdoctoral Position in Fusion Plasmas Physics	1	<p>[Responsibility] - Fusion plasma physics research (related to MHD)</p> <p>[Eligibility] - must possess Ph.D. degree in Physics or Nuclear Engineering/ (including a candidate whose PhD degree is to be awarded before the start of fall semester 2020)</p> <p>[Preferential] - Related research experience</p> <p>[Contract period] 2020.08.16.~2021.08.15. (1year)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] Bldg. 108 Rm. 513, 510.</p>
MTH- 4-1	Postdoctoral Position - Numerical Analysis and Partial Differential Equations	1	<p>[Responsibility] - research project</p> <p>[Eligibility] - must possess Ph.D. degree in the field of PDEs</p> <p>[Preference] - Related research experience - Fluent English Speakers, also with very good writing skills</p> <p>[Contract period] 2020.08.16 ~ 2020.12.15.(0 years 4 months)</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. 301-2</p>
MTH- 4-2	Postdoctoral Researcher - Number Theory and its related field (Algebraic Geometry and Harmonic Analysis)	5	<p>[Responsibility] - Algebraic Geometry and Harmonic Analysis research, - Help organizing Seminars and Conferences.</p> <p>[Eligibility] - must possess Ph.D. in Math,</p> <p>[Preferential] - Strong background in Number Theory or related fields (Algebraic Geometry and Harmonic Analysis)</p> <p>[Contact Period] - 2020.09.01. ~ 2021.08.31. (Can be extended)</p>

			<p>[Work Hours] - 5 days a week, 8 hours a day (9am~6pm)</p> <p>[Working place] Building 108 3floor, Room for postdoc fellows</p>
CHM-4-1	Postdoctoral fellow Position - 2D materials	1	<p>[Responsibility] - Perform research project</p> <p>[Eligibility] - must possess Ph.D. degree in 2D materials field - must have more than 2 publications in last 5 years</p> <p>[Preferential] - Related research experience - Preferential treatment for experienced researchers</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] UNIST, Bldg. 101.</p>
CHM-4-2	Postdoctoral Position - Organic semiconductor based electronic devices/sensors, soft/wearable electronics	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-4-3	Postdoctoral Position - Organic semiconductor based electronic devices/sensors, soft/wearable electronics	1	<p>[Eligibility] - Must possess BS degree in natural science or engineering - Applicants who took electronic materials related courses are preferred. - Applicants having research experience such as lab interns are preferred.</p> <p>[Contract period] 2020.08.16 ~ 2021.02.15.(6 months)</p> <p>[Working hours] 5 days a week (Mon-Fri), 4 hours a day (14: 00 - 18: 00)</p> <p>[Working Place] bldg.108, Room 808</p>
CHM-4-4	Postdoctoral Position -Organic&Bioorganic Chemistry	3	<p>[Responsibility] - Perform Organic or Bioorganic Chemistry research project</p> <p>[Eligibility] - must possess Ph.D. degree in Organic Chemistry or Bioorganic 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-4-5	Research Position -Organic&Bioorganic Chemistry	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 00 months)</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-4-6	Postdoctoral Fellow - Solid state physics & computation	1	<p>[Eligibility] - PhD Degree in Physics or Chemistry (computational materials science) - At least 1 paper published in Phys. Rev. B. or above this level within recent 3 years</p> <p>[Main task] - electrocatalysts calculation</p> <p>[Preferential] - independent research capability</p> <p>[Contract period] 2020.08.16.~2020.12.15. (4 months)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] Bldg. 108, Rm. 804</p>
CHM-4-7	Postdoctoral Fellow - Computational materials science - AI assisted materials design	5	<p>[Responsibility] - Complex system quantum calculations, Multiscale simulations - Energy and environment electrocatalysts design - Machine learning and AI tool development</p> <p>[Eligibility] - Research experiences on Computational materials science, AI assisted materials design - At least 1 major-authored paper within recent 3 years</p> <p>[Preferential] - Good numerical analysis capability - Smooth English communication skill - independent research capability</p> <p>[Contract period] 2020.09.01 ~ 2021.08.31.(1year)</p> <p>[Working hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00)</p> <p>[Working Place] Bldg. 108, Rm. 804</p>
CHM-4-8	Postdoctoral Position - gas phase spectroscopy or atomic and molecular physics	2	<p>[Main task] - 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. (1year / can be extended)</p> <p>[Working hours]</p>

			- 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00) [Working Place] Bldg. 103, Rm. 401-2
CHM-4-9	Postdoctoral Position - Bioinorganic research for synthesis, characterization and reactivity of biomimetic complexes	1	[Responsibility] - Bioinorganic research - Catalytic C-H bond activation [Eligibility] - must possess Ph.D. degree in bioinorganic chemistry [Preference] - Related research experience - Fluent English Speakers, also with very good writing skills [Contract period] 2020.09.01 ~ 2021.08.31.(1 year) [Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00) [Working Place] Bldg. 108 Rm.710
CHM-4-10	postdoc researcher -syntheticorganicchemistry	1	[Responsibility] - Perform organic synthesis - preparation of paper(s), patent(s) or report(s) [Eligibility] - must possess Ph.D. degree or Ph.D. candidate (2020 Aug) - 2 or more publications in organic synthesis (first author) [Preference] - Related research experience - Fluent English [Contract period] 2020.09.01 ~ 2020.08.31.(1 year) [Work hours] 5 days a week (Mon-Fri), 8 hours a day (9: 00 - 18: 00) [Working Place] Bldg. 104 Rm.703

※ Notice

- 1) Contract is initially for 1 year but can be extended, depending on satisfactory performance and continuation of the funding
- 2) The criteria for accreditation of official English grades are limited to those published within 2 years of the application deadline.
- 3) The number of applicants can be reduced if there is no qualified person
- 4) 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 Contract

○ Contract period / Working hours / Salary

- Refer to Notice by Recruitment Area for details.

(* Researchers are contracted for up to 1 year and can be re-signed through evaluation.)

- It can be changed the contract period to after consultation.
- Salary is based on before tax, there may be some changes to the research project.

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

- Photo registration, school name, credit, family relations, family name, date of birth, and physical condition are not allowed in the application form due to blind employment.
- Those who are eligible for work protection are given additional points according to related laws (5% or 10% of the perfect scores by stage)
- 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 Document Receipt and Selection Method

- Recruitment notice and documents submission period
: 2020.06.27.(Sat) ~ 2020.07.12.(Sun), 24:00(16 days)
- Document Receipt Method
 - Recruiter E-mail: (SNS_recruit@unist.ac.kr)
 - Documents to be submitted: Application form, self-introduction letter, job and research performance record, personal information third party
 - 1 copy of each written offer agreement (see attached form)

※ How to apply

- The submitted documents are converted into PDF files (after scanning) and sent by e-mail.
- Subject: “Support for recruitment of researchers from UNIST SNS ‘Recruitment Area or No.’ : 000(Name of the Candidate) ”
- Enter publications information [Publication list(SCI) , primary author, corresponding author, Impact Factor etc.]
- Note: Applications should be received by 24:00 on the due date

- When filling out the application form, the relevant documents must be prepared in advance. Successful applicants will be canceled due to erroneous input.

All responsibility for harm lies with the applicant

- According to blind employment, there is no entry of photograph, school name, credit, family relationship, family name, date of birth, and physical condition.
- The following contents and conditions are also prohibited from the application: Name of school, family relationship, date of birth, person, and body

- Selection Method: Document Screening, Interview

	Details
Document review	Evaluate the suitability of recruitment area select 3 times the number of expected employees in order of the highest total score.

Interview	Evaluation of research performance and specialties and job performance ability in recruitment area
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- If there are no qualified candidates for the screening process, the applicants may be reduced or not selected.
- Employment protection subjects will be granted additional points according to the related laws (5% or 10% of the perfect scores)
- In case of disabled persons, granting points by type to promote employment of persons with disabilities (5% of total marks by type)

○ Recruitment candidate

- 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, hiring 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
 - : `20.06.27.(Sat) ~ `20.07.12.(Sun), 24:00(16 days)
 - Announcement of successful applicants
 - :`20.07.15.(Wed) ~ `20.07.21.(Fri)
 - Interview: `20.07.24.(fri)~`20.07.29.(Wed)
 - Appointment scheduled for: Afrer `20.08.16.

VI **Contact**

- Ulsan Institute of Science and Technology (UNIST) School Natural Science administration office.
 - Tel: (052) 217-3602, SNS_recruit@unist.ac.kr
 - Address: No. 50, 108-dong 701-12, Unist-gil, Eonyang-eup, Ulju-gun, Ulsan