

# 2023-4th Researcher Recruitment for College of Natural Sciences

## I Candidates and Eligibility

No.	Position/Research field	Expected number of people	Main Task, Eligibility and preferences
CHM4-1	Post-Doctoral Researcher - Organic Synthesis (Pl. Jung-Min Kee)	1	<p><b>[Main task]</b></p> <ul style="list-style-type: none"> <li>Design and execution of organic synthesis</li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>Ph.D. Degree (holders or prospective doctoral candidates until the appointment date)</li> <li>More than 3 SCI(E) papers within recent three years</li> <li>Fluency in Korean or English</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>Experience in peptide research or drug discovery is preferred</li> </ul>
CHM4-2	Researcher - Physical Chemistry /Atomic and Molecular Physics (Pl. Bum Suk Zhao)	1	<p><b>[main task]</b></p> <ul style="list-style-type: none"> <li>Perform research project                             <ul style="list-style-type: none"> <li>Molecular motion control</li> </ul> </li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>Master Degree or higher (holders or prospective candidates until the appointment date)</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>Preferential treatment for experienced researchers</li> <li>more than 1 SCI(E) papers within recent three years as a main author (Master)</li> <li>more than 3 SCI(E) papers within recent five years as a main author (Ph. D)</li> </ul>
MIH4-1	Post-Doctoral Researcher - Applied Mathematics (Pl. Yunho Kim)	1	<p><b>[main task]</b></p> <ul style="list-style-type: none"> <li>Perform research project including research paper writing</li> <li>Lab research activities                             <ul style="list-style-type: none"> <li>Scheduling of and participating in lab research meetings and seminars</li> <li>Monitoring and reporting research activities of lab graduate students</li> </ul> </li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>Ph.D. Degree (holders or prospective doctoral candidates until the appointment date)</li> <li>Expertise related to any of the following areas: Analysis, Numerical Methods</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>Programming experience in Machine Learning or Image Processing</li> </ul>
PHY4-1	Post-Doctoral Researcher - Physics (Pl. Noejung Park)	1	<p><b>[Main task]</b></p> <p>Select one of the topics below and conduct research through collaboration with Prof. Noejung Park and Prof. Geun-sik Lee.</p> <p>[1] A study on the stability of materials (semiconductor, conductor interface, etc.) for current in metallic system using DMFT-NEGF code and real-time TDDFT code</p> <p>[2] Added finite-bias constant current calculation method to the real-time TDDFT code currently in the lab. Density-current functional theory theory review and coding for this.</p> <p>[3] NCA solver implementation. NEGF-based finite-bias, constant current calculation method implementation in the Siesta-DMFT code currently in the lab.</p> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>Ph.D. Degree (holders or prospective doctoral candidates until the appointment date)</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>Preferential treatment for experienced researchers</li> </ul>

### ※ Notice

- Applicants can apply to only one field
- Career or qualifications in each fields' requirement or preferred conditions must be Supported with proofs such as certificates. in case submitted proofs are confirmed as false documents, acceptance can be cancelled.
- The criteria for accreditation of official English grades are limited to those published with

in 2 years of the application deadline

- 4) In the absence of suitable candidates, nobody can be selected.
- 5) There might be primary candidates, so they can be hired with rankings among them in cases such as one of them gives up on the recruitment or there being vacancy in the same field within 6 months.
- 6) UNIST discloses the number of relatives hired according to the government's recruitment system for public institutions.
- 7) In the case of a master's degree, you need a master's diploma and a certificate of experience for more than 3 years, such as a research institute or a company, to apply for visa and be hired.

## II Contract

No	Position	Principal Investigator	Term	Working hours	Monthly pay (Pre-tax basis)	working place
CHM4-1	Post-Doctoral Researcher	Jung-Min Kee	2023.07.01. ~ 2024.06.30.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩3,000,000 (Negotiable)	Bldg. 108 UNIST
CHM4-2	Researcher	Bum Suk Zhao	2023.07.01. ~ 2024.06.30.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩3,000,000 ~ ₩5,000,000	Bldg. 103 UNIST
MIH4-1	Post-Doctoral Researcher	Yunho Kim	2023.07.01. ~ 2024.06.30.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩4,500,000	Bldg. 108 UNIST
PHY4-1	Post-Doctoral Researcher	Noejung Park	2023.07.01. ~ 2024.06.30.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩4,500,000	Bldg. 108 UNIST

- 1) Researchers are contracted for up to one year and can be re-signed through evaluation.
- 2) The place of work may be changed depending on internal circumstances.
- 3) Salary can be changed depending on experiences in the field through discussion Extra payment may occur.
- 4) Detail of contract can be revised by mutual consent with the Research PI.

## III Document Submission and Screening

- Recruitment notice and documents submission period
  - From 22 May, 2023 to 7 June, 2023 @ 24:00
  - Only applications that arrived during the period are Valid.
- Document Submission: Online application (<https://unist-researcher.recruiter.co.kr/>)
  - ※ Please use 'Chrome' browser when you apply and set the language setting as 'English'
  - ※ 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 to be no submission of photograph, school name, name of advisor, credit, family, relationship, family name, date of birth, and ph

ysical condition.

#### ○ Screening & Other Information

Screening Stage	how to select
Document Screening	Evaluate the suitability of recruitment area, select 5 times the number of candidates that the opening in order of the highest total score. ※ Evaluation Standard(Score) - Post-Doctoral Researcher/Researcher : Self instruction(50), Job competencies(50)
Interview Screening	Evaluation of research performance and specialties and job performance ability in recruitment area ※ Evaluation Standard(Score) - Post-Doctoral Researcher/Researcher : Job competencies(30), Development potential(30), Suitability for UNIST(20), Basic ability(20)

#### ○ Final appointment

- Under article 33 of the National Civil Service Act regarding the disqualification conditions of the appointment of national civil services, successful candidates who are applicable of the disqualification conditions or failed in physical examination will be 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 have submitted false information, application forgery, or fraudulent employment, the appointment may be canceled as per Article 33 of the Civil Service Act.
- If an unsuccessful candidate wishes to retrieve one's application document, request can be made within 2 weeks of announcement
- **Police Clearance Certificate must be submitted before joining UNIST.**

## IV

### Recruitment Schedule

Step	Schedule	Remarks
Application Period	2023.05.22 ~ 2023.06.07	~24:00 on 2023.06.07
Documents review	2023.06.08 ~ 2023.06.13	Announcement of successful candidates: 2023.06.13
Interview	2023.06.14 ~ 2023.06.19	Announcement of successful candidates: 2023.06.19
Appointment	2023.07.~	

※ Schedules are subject to change.

## V

### Contact

○ Ulsan National Institute of Science and Technology(UNIST)

- Academic & Students Affairs Team, College of Natural Sciences  
(☎ : +82-52-217-1885, e-mail : inforam@unist.ac.kr)
- Address: No. 50, 108-dong 701-12, Unist-gil, Eonyang-eup, Ulju-gun, Ulsan