

2022-2nd Researcher Recruitment for College of Natural Sciences

I Candidates and Eligibility

No.	Position/Research field	Expected number of people	Main Task, Eligibility and preferences
CHM2-1	Post-Doctoral Researcher -Material Chemistry (Pl. Ja-Hyoung Ryu)	1	<p>[main task]</p> <ul style="list-style-type: none"> - Metal-organic frameworks (MOFs) synthesis and physical properties analysis - Analysis of gas adsorption for CO₂ capture - Hydrogen isotope separation <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) <p>[Preferential]</p> <ul style="list-style-type: none"> - Preferential treatment for experienced researchers - more than 3 SCI(E) papers within recent three years - Preferential for those who can speak English
CHM2-2	Post-Doctoral Researcher -Chemical Biology (Pl. Ja-Hyoung Ryu)	2	<p>[main task]</p> <ul style="list-style-type: none"> o Perform research project <ul style="list-style-type: none"> - Synthesis and characterization of intracellular self-assembly and polymerization available molecules - Cytotoxicity assessment and analysis of intracellular assembly <p>[Eligibility]</p> <ul style="list-style-type: none"> o Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) <p>[Preferential]</p> <ul style="list-style-type: none"> o Preferential treatment for experienced researchers o more than 1 SCI(E) papers within recent three years o Preferential for those who can speak English
CHM2-3	Researcher -Chemistry (Pl. Tae-Hyuk Kwon)	1	<p>[main task]</p> <ul style="list-style-type: none"> o Device fabrication and charge transfer analysis of organic dye-sensitized solar cells o Development of dye-sensitized photoelectrochemical cells for water splitting and lignin degradation <p>[Eligibility]</p> <ul style="list-style-type: none"> o Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) <p>[Preferential]</p> <ul style="list-style-type: none"> o Preferential treatment for experienced researchers o more than 2 SCI(E) papers (primary author) o Preferential for those who can speak English
CHM2-4	Post-Doctoral Researcher - 2D Materials (Pl. Hyeon Suk Shin)	1	<p>[main task]</p> <ul style="list-style-type: none"> - Perform research project <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) - must have more than 2 SCI(E) papers within recent 5 years <p>[Preferential]</p> <ul style="list-style-type: none"> - Related research experience - Preferential treatment for experienced researchers
CHM2-5	Post-Doctoral Researcher - Organic Synthesis (Pl. Cheol-Min Park)	1	<p>[main task]</p> <ul style="list-style-type: none"> o Perform drug discovery research project o Daily operation of synthesis of organic compounds <p>[Eligibility]</p> <ul style="list-style-type: none"> o Ph.D. Degree in organic synthesis o more than 3 SCI(E) publications in last 5 years <p>[Preferential]</p>

			<ul style="list-style-type: none"> ◦ Related research experience ◦ Fluent English Speakers, also with very good writing skills
CHM-2-6	Post-Doctoral Researcher - Material Chemistry and Catalysis Lab. (Pl. Sang Hoon Joo)	1	<p>[main task]</p> <ul style="list-style-type: none"> ◦ Research on analysis, synthesis, and application of electrocatalysts <p>[Eligibility]</p> <ul style="list-style-type: none"> ◦ Ph.D. Degree in related field <p>[Preferential]</p> <ul style="list-style-type: none"> ◦ Research experience in closely related field
CHM-2-7	Post-Doctoral Researcher - Chemistry (Pl. Seung Kyu Min)	1	<p>[main task]</p> <ul style="list-style-type: none"> ◦ Perform research project <ul style="list-style-type: none"> - Computational chemistry computer simulation - Material property calculation / Polariton chemistry <p>[Eligibility]</p> <ul style="list-style-type: none"> ◦ Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) <p>[Preferential]</p> <ul style="list-style-type: none"> ◦ Preferential treatment for experienced researchers ◦ more than 1 SCI(E) papers within recent three years ◦ Preferential for those who can speak English
CHM-2-10	Post-Doctoral Researcher -Gas phase spectroscopy or atomic and molecular physics (Pl. BumSuk Zhao)	1	<p>[main task]</p> <ul style="list-style-type: none"> ◦ Perform research projects on manipulating molecules using optical standing waves and grazing incidence matter wave optics (controlling molecular motions with molecule-field or molecule-surface interactions) <p>[Eligibility]</p> <ul style="list-style-type: none"> ◦ Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) ◦ must have more than 2 SCI publications in relevant fields in the last five years <p>[Preferences]</p> <ul style="list-style-type: none"> ◦ Related research experience
MIH-2-1	Post-Doctoral Researcher - Mathematics (Pl. Bongsoo Jang)	1	<p>Research field</p> <ul style="list-style-type: none"> ◦ Numerical analysis of fractional system and dynamical applications <p>[main task]</p> <ul style="list-style-type: none"> ◦ Perform research project including research paper writing and numerical simulation ◦ Lab research activities <ul style="list-style-type: none"> - Scheduling of and participating in lab research meetings and seminars - Monitoring and reporting research activities of lab graduate students <p>[Eligibility]</p> <ul style="list-style-type: none"> ◦ Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) ◦ Expertise related to any of the following areas: Scientific Computation, Numerical Analysis, Dynamics, Machine Learning <p>[Preferential]</p> <ul style="list-style-type: none"> ◦ At least 1 published (or accepted for publication) SCI(E) paper within recent three years for each applied research field.
MIH-2-2	Post-Doctoral Researcher - Mathematics (Pl. Bongsoo Jang)	1	<p>Research field</p> <ul style="list-style-type: none"> ◦ Evolutionary game theory, Mathematical Modeling of Machine Learning (Reservoir Computing, Spike-timing-dependent plasticity) <p>[main task]</p> <ul style="list-style-type: none"> ◦ Perform research project including research paper writing and numerical simulation ◦ Lab research activities <ul style="list-style-type: none"> - Scheduling of and participating in lab research meetings and seminars - Monitoring and reporting research activities of lab graduate students <p>[Eligibility]</p> <ul style="list-style-type: none"> ◦ Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) ◦ Expertise related to any of the following areas: Scientific Computation, Numerical Analysis, Dynamics, Machine Learning <p>[Preferential]</p> <ul style="list-style-type: none"> ◦ At least 1 published (or accepted for publication) SCI(E) paper within recent three years for each applied research field.

MIH-2-3	Post-Doctoral Researcher - Mathematic Sciences (Pl. Hae-sang Sun)	1	[main task] - Perform your own research - Collaborate with Hae-sang Sun, Jaehyun Cho, Chol Park - Help organizing Seminars and Conferences [Eligibility] - Must possess Ph.D. in Math before the starting date. [Preferential] - Strong background in Number Theory or related fields (Algebraic geometry, Representations Theory, Harmonic Analysis)
PHY-2-1	Post-Doctoral Researcher - Computational physics and computational chemistry (Pl. Noejung Park)	1	[main task] - Perform first-principles computational studies of materials, particularly topological states and transport properties [Eligibility] - Ph.D. Degree in physics or chemistry [Preferential] - more than 1 SCI papers inf the last 5 years
PHY-2-2	Post-Doctoral Researcher - Physics (Pl. Hyeong Ryed Park)	1	[main task] - Perform research project - Building up an optical pump Terahertz probe - Risk assessment for human health [Eligibility] - Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) [Preferential] - Preferential treatment for experienced researchers - more than 5 SCI(E) papers within recent three years - Preferential for those who can speak English

※ Notice

- 1) Applicants can apply to only one field
- 2) 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.
- 3) 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.

II

Contract

No	Position	Principal Investigator	Term	Working hours	Monthly pay (Pre-tax basis)	working place
CHM-2-1	Post-Doctoral Researcher	Ja-Hyoung Ryu	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩3,875,000	Bldg. 103 UNIST
CHM-2-2	Post-Doctoral Researcher	Ja-Hyoung Ryu	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,500,000	Bldg. 108 UNIST

CHM-2-3	Post-Doctoral Researcher	Tae-Hyuk Kwon	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,900,000	Bldg. 108 UNIST
CHM-2-4	Post-Doctoral Researcher	Hyeon Suk Shin	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,500,000	Bldg. 101 UNIST
CHM-2-5	Post-Doctoral Researcher	Cheol-Min Park	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,400,000	Bldg. 108 UNIST
CHM-2-6	Post-Doctoral Researcher	Sang Hoon Joo	2022.03.01. ~ 2022.08.31.	- The five day Week - Working Hour 09:30~18:30 - Recess 12:00 ~ 13:00	₩2,400,000	Bldg. 108 UNIST
CHM-2-7	Post-Doctoral Researcher	Seung Kyu Min	2022.03.16. ~ 2023.03.15.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,000,000	Bldg. 108 UNIST
CHM-2-10	Post-Doctoral Researcher	Bum Suk Zhao	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,500,000	Bldg. 103 UNIST
MIH-2-1	Post-Doctoral Researcher	Bongsoo Jang	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,500,000 ~ ₩3,500,000	Bldg. 108 UNIST
MIH-2-2	Post-Doctoral Researcher	Bongsoo Jang	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,500,000 ~ ₩3,500,000	Bldg. 108 UNIST
MIH-2-3	Post-Doctoral Researcher	Hae-sang Sun	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩4,150,000	Bldg. 108 UNIST
PHY-2-1	Post-Doctoral Researcher	Noejung Park	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩3,800,000	Bldg. 108 UNIST
PHY-2-2	Post-Doctoral Researcher	Hyeong Ryeol Park	2022.03.01. ~ 2023.02.28.	- The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00	₩2,800,000	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 20 January, 2022 to 4 February, 2022 @ 24:00
- Only applications that arrived during the period are Valid.

○ Document Submission: Recruiter [E-mail\(inforam@unist.ac.kr\)](mailto:inforam@unist.ac.kr)

※ How to apply

- The submitted documents are converted into one PDF file (after scanning) and sent by e-mail.
- Subject: 「Position-Recruitment Area: OOO(Applicant name)」
- Note: Applications should be received by 24:00 on the due date(Korean Time)

○ Documents to be submitted

Position	Submission documents	Remarks
Post-doc researcher	1) Applicant Form 2) Self introduction 3) Agreement to provide personal information to third parties	- Required documents - Refer to attachment

※ 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 physical 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: 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: 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	2022.01.20. ~ 2022.02.04.	~24:00 on 2022.02.04.
Documents review	2022.02.07. ~ 2022.02.11.	Announcement of successful candidates: 2022.02.11.
Interview	2022.02.14. ~ 2022.02.18.	Announcement of successful candidates: 2022.02.18.
Appointment	2022.03.~	

※ Schedules are subject to change.



Contact

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