

2023-1st Researcher Recruitment for College of Natural Sciences

I Candidates and Eligibility

| No. | Position/Research field | Expected number of people | Main Task, Eligibility and preferences |
|---------|---|---------------------------|--|
| CHM-1-1 | Post-Doctoral Researcher - Organic Synthesis (Pl. Jung-Min Kee) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> Design and execution of organic synthesis <p>[Eligibility]</p> <ul style="list-style-type: none"> Ph.D. Degree (holders or prospective doctoral candidates until the appointment date) More than 3 SCI(E) papers within recent three years Fluency in Korean or English <p>[Preferential]</p> <ul style="list-style-type: none"> Experience in peptide research or drug discovery is preferred |
| CHM-1-2 | 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 1 SCI(E) papers within recent 5 years <p>[Preferential]</p> <ul style="list-style-type: none"> Related research experience Preferential treatment for experienced researchers |
| CHM-1-3 | Post-Doctoral Researcher - Development and application for porphyrinic metal-organic frameworks (Pl. Wonyoung Choe) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> Synthesis and characterization of porphyrinic metal-organic frameworks Development of application technology for porphyrinic metal-organic frameworks <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-1-4 | Post-Doctoral Researcher - Computational chemistry (Pl. Geunsik Lee) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> Perform research project first-principle and machine learning based research on energy materials discovery <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 experiences on first-principles and machine-learning calculations more than 3 SCI(E) papers within recent three years Preferential for those who can speak English |
| CHM-1-5 | Researcher - Protein Biochemistry (Pl. Jung-Min Kee) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> Preparation, purification, and characterization of recombinant proteins <p>[Eligibility]</p> <ul style="list-style-type: none"> M.S.. Degree (holders or prospective master ' s candidates until the appointment date) More than 1 SCI(E) papers within recent three years (including papers as a coauthor) Fluency in Korean or English More than 3 years of experience in a research institute or a company (Foreigners) <p>[Preferential]</p> <ul style="list-style-type: none"> Experience in enzymology or drug discovery is preferred |

| | | | |
|---------|---|---|---|
| MIH-1-1 | Post-Doctoral Researcher - Mathematics (Pl. Kyudong Choi) | 2 | <p>[Main task]</p> <ul style="list-style-type: none"> - Collaborate with BRL Analysis group, Perform your own research - Help organizing Seminars and Conferences <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. degree holder (or to be obtained) in Math - Publication: at least 1 article (including accepted ones) in SCI(E) for the last 3 years <p>[Preferential]</p> <ul style="list-style-type: none"> - Strong background in Partial Differential Equations or related fields (Differential geometry, Functional Analysis, Harmonic Analysis, and numerical analysis) - Salary is subject to change according to experience and consultation |
| PHY-1-1 | Post-Doctoral Researcher - Soft matter & Nonequilibrium statistical physics (Pl. Cheol-Min Ghim) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> o Perform research project - Nonequilibrium statistical physics of soft active matter - Developing machine learning tools for statistical physics research <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 |
| PHY-1-2 | Post-Doctoral Researcher - Soft matter Theory Using Nonequilibrium Statistical Physics and Deep Learning (Pl. Jaep Kim) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> o Perform research project - Perform nonequilibrium statistical physics calculation and simulation of soft matter - Developing bacteria tracking software using deep learning <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 |
| PHY-1-3 | Post-Doctoral Researcher - Soft matter & Nonequilibrium statistical physics (Pl. Joonwoo Jeong) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> o Perform research project - Nonequilibrium statistical physics of soft active matter, e.g., microbial systems <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 |
| PHY-1-4 | Post-Doctoral Researcher - Physics (Pl. Daisik Kim) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> o Fabrication of vanadium dioxide metasurface - Growth & transfer on flexible substrate - CVD, photolithography, measurement in THz frequency <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 |
| PHY-1-5 | Researcher - Biophysics (Pl. Chae Un Kim) | 1 | <p>[Main task]</p> <ul style="list-style-type: none"> o Protein crystallography experiments and data analysis of enzymatic intermediate states using synchrotron <p>[Eligibility]</p> <ul style="list-style-type: none"> o M.S. Degree (holders or prospective doctoral candidates until the appointment date) o More than 3 years of experience in a research institute or a company (Foreigners) <p>[Preferential]</p> <ul style="list-style-type: none"> o Preferential treatment for experienced researchers o 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

- ments, 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.
 - 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 |
|---------|--------------------------|------------------------|---------------------------|---|--------------------------------|-----------------|
| CHM-1-1 | Post-Doctoral Researcher | Jung-Min Kee | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩3,000,000 (Negotiable) | Bldg. 108 UNIST |
| CHM-1-2 | Post-Doctoral Researcher | Hyeon Suk Shin | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,500,000 | Bldg. 101 UNIST |
| CHM-1-3 | Post-Doctoral Researcher | Wonyoung Choe | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,200,000 | Bldg. 108 UNIST |
| CHM-1-4 | Post-Doctoral Researcher | Geunsik Lee | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,020,000 | Bldg. 108 UNIST |
| CHM-1-5 | Researcher | Jung-Min Kee | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,100,000 | Bldg. 108 UNIST |
| MIH-1-1 | Post-Doctoral Researcher | Kyudong Choi | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩3,000,000 | Bldg. 108 UNIST |
| PHY-1-1 | Post-Doctoral Researcher | Cheol-Min Ghim | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩4,000,000 | Bldg. 108 UNIST |
| PHY-1-2 | Post-Doctoral Researcher | Jaeup Kim | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩3,000,000 (Negotiable) | Bldg. 108 UNIST |
| PHY-1-3 | Post-Doctoral Researcher | Joonwoo Jeong | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩3,000,000 (Negotiable) | Bldg. 108 UNIST |
| PHY-1-4 | Post-Doctoral Researcher | Daisik Kim | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,500,000 | Bldg. 108 UNIST |
| PHY-1-5 | Researcher | Chae Un Kim | 2023.03.01. ~ 2024.02.29. | - The five day Week - Working Hour 09:00~18:00 - Recess 12:00 ~ 13:00 | ₩2,100,000 | 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 25 January, 2023 to 9 February, 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 physical condition.

○ Screening & Other Information

| Screening Stage | how to select |
|---------------------|---|
| Document Screening | <p>Evaluate the suitability of recruitment area, select 3 times the number of candidates that the opening in order of the highest total score.</p> <p>※ Evaluation Standard(Score)</p> <ul style="list-style-type: none"> - Post-Doctoral Researcher : Self instruction(50), Job competencies(50) - Researcher : Self instruction(70), Language ability(30) |
| Interview Screening | <p>Evaluation of research performance and specialties and job performance ability in recruitment area</p> <p>※ Evaluation Standard(Score)</p> <ul style="list-style-type: none"> - 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, of 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 | 2023.01.25 ~ 2023.02.09 | ~24:00 on 2023.02.09 |
| Documents review | 2023.02.10 ~ 2023.02.15 | Announcement of successful candidates: 2023.02.15 |
| Interview | 2023.02.16 ~ 2023.02.21 | Announcement of successful candidates: 2023.02.21 |
| Appointment | 2023.03.~ | |

※ Schedules are subject to change.

V

Contact

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