

# Recruitment for Research positions at College of Engineering, UNIST

## I Schedule

Process	Schedule	Remarks
Application Period	2022.12.14.~12.29.	~24:00 on 2022.12.29.
Documents screening	2023.1.3.	Announcement of successful candidates: 2023.1.5.
Interview screening	2023.1.6.	Announcement of successful candidates: 2023.1.10.
Appointment	2023.1.16. ~	

\*Schedules are subject to change.

## II Application and Screening

- **Application period:** **2022.12.14.~ 12.29., 24:00** (\*Korean time standard)
- **How to apply:** Online application (<https://unist-researcher.recruiter.co.kr/>)
- **Application Notes**
  - Applicants can apply in only one field.
  - Applicants must not reveal their personal information (ex: photo, school name, academic advisor's name, GPA, family information, birth year and date and physical conditions).
- **Document Screening, Interview Screening**
  - If there is no qualified person, UNIST may not employ any candidates.
  - Those who are eligible for work protection are given additional points according to related laws (5% or 10% of the perfect scores by stage)
  - Additional points are granted to the disabled in order to promote the employment of persons with disabilities (5% of perfect scores by stage)
- **Final appointment**
  - Under National Civil Service Act article 33, successful candidates who don't meet the public officials appointment conditions will not be appointed at UNIST.
  - Background check for the successful candidates from the interview will be conducted. And if it confirms any particulars(disqualifications), the announcement might be canceled
  - The appointment may be canceled even after the employment due to forgery or illegal recruitment or false or non-evidents information written on the application or National civil service act article 33 disqualifications.
  - Unsuccessful candidates can ask for application back within 2 weeks of the announcement.

### III

## Field and Eligibility

### ○ Mechanical Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Robotics and Rehabilitation Engineering (Prof. Sang Hoon Kang)	1	<b>Main Tasks</b>	Conducting research on rehabilitation robots and/or neuromechanics, including tests with subjects
			<b>Eligibility</b>	A PhD degree in related field (Science & Engineering, and Health Science)
			<b>Preferences</b>	<ul style="list-style-type: none"> <li>- Ph.D. degree holders in fields related to robotics, rehabilitation engineering, or neuromechanics such as science and engineering</li> <li>- Experience in conducting research on subjects with rehabilitation robots or engineering devices</li> <li>- At least one paper published as the first author in internationally well-known journals in the relevant fields</li> </ul>
			<b>Term</b>	2023.01.16. ~ 2024.01.15.
			<b>Working hours</b>	<ul style="list-style-type: none"> <li>- The five-day week</li> <li>- Working Hour 9:00~18:00</li> <li>- Break 12:00~13:00</li> </ul>
			<b>Monthly wage</b>	3,000,000 WON
Post-Doc Researcher	Micro-/Nanofluidics Lab. (Prof. Taesung Kim)	1	<b>Main Tasks</b>	Development of Nanofluidic Transport-based molecule sorting/concentrating/detecting technologies, Inkjet-printing-based nanofabrication and its dynamics modeling
			<b>Eligibility</b>	Ph.D holder in fluid mechanics, micro/nanotechnological research fields
			<b>Preferences</b>	Research experience and expertise in fluid mechanics at micro-/nanoscale or micro-/nanotechnological fields
			<b>Term</b>	2023.01.16. ~ 2024.01.15
			<b>Working hours</b>	<ul style="list-style-type: none"> <li>- Five week days</li> <li>- 9:00 ~ 18:00</li> <li>- 12:00 ~ 13:00 for lunch break</li> </ul>
			<b>Monthly wage</b>	3,000,000won (negotiable)
Post-Doc Researcher	Fine dust sensor or Airborne virus/bacteria sensor (Prof. Jaesung Jang)	1	<b>Main Tasks</b>	Development of fine dust sensor or airborne virus/bacteria sensor
			<b>Eligibility</b>	<ul style="list-style-type: none"> <li>- Holding or expected to hold Ph.D. in biotechnology, mechanical engineering, environmental engineering, or relevant engineering fields at the point of appointment</li> <li>- Three first-authored journal publications in the relevant field</li> </ul>
			<b>Preferences</b>	Expertise in bacteria, fine dust, or virus experiments, or microfabrication techniques
			<b>Term</b>	2023.03.01 ~ 2024.02.29
			<b>Working hours</b>	<ul style="list-style-type: none"> <li>-The five-day week</li> <li>-Working 9:00~18:00</li> <li>-Break 12:00 ~ 13:00</li> </ul>
			<b>Monthly wage</b>	3,000,000 KRW

○ Materials science and Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Robotics & HMI device (Prof. Jiyun Kim)	1	<b>Main Tasks</b>	Research on Development of flexible robotic components, machine learning and HMI interfaces
			<b>Eligibility</b>	A PhD degree in related field
			<b>Preferences</b>	Research experience in closely related field
			<b>Term</b>	2023.01.16.~2024.01.15.
			<b>Working hours</b>	- Five days per week - Working 9:00~18:00 - Break 12:00~13:00
			<b>Monthly wage</b>	2,100,000 KRW

○ Energy and Chemical Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Next-generation solar cells (perovskite solar cells and organic solar cells) (Prof. Changduk Yang)	1	<b>Main Tasks</b>	Research on perovskite solar cells, organic solar cells, and organic flexible transistors.
			<b>Eligibility</b>	A Ph.D degree in related field
			<b>Preferences</b>	Research experience in closely related field
			<b>Term</b>	2023.02.01. ~ 2024.01.31.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	2,500,000 WON
Post-Doc Researcher	Center for Dimension-Controllable organic Framework (Prof. Jong-Beom Baek)	1	<b>Main Tasks</b>	Research on Analysis and Synthesis of porous organic network polymers
			<b>Eligibility</b>	A PhD degree in related field
			<b>Preferences</b>	Research experience in closely related field
			<b>Term</b>	2023.02.01.~2024.01.31.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,000,000 won
Post-Doc Researcher	Energy and Chemical Engineering (Prof. Jae Sung Lee)	1	<b>Main Tasks</b>	- Research on synthesis and characterization of functional materials - Research on material synthesis related to Oxygen Evolution reaction/Hydrogen Evolution Reaction
			<b>Eligibility</b>	A PhD degree in Physics, Chemical/Energy Engineering
			<b>Preferences</b>	Research experience inclosely related field
			<b>Term</b>	2023.01.16.~2024.01.15.
			<b>Working hours</b>	- The five-day week - Working 9:00 ~ 18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,000,000 won

○ Carbon Neutral Institute

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Carbon Neutral, Environment(2) (Prof. Chang-Keun Song)	1	<b>Main Tasks</b>	Research on Carbon/Environmental Economy, Business, Global Environmental Science, Engineering
			<b>Eligibility</b>	A Ph.D. degree in Economy, Bussiness or Engineering, Science
			<b>Preferences</b>	Research Papers cited in SCI and SSCI in closely related field
			<b>Term</b>	2023.02.01. ~ 2024.01.31.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,500,000 KRW
Post-Doc Researcher	Computational Materials Sciences (Prof. Sung Youb Kim)	1	<b>Main Tasks</b>	Computational analysis of 2D nano carbon materials such as CNT or graphene (DFT and/or MD)
			<b>Eligibility</b>	Ph. D degree in materials science and engineering (computational materials science)
			<b>Preferences</b>	Research experience and capability in closely related field
			<b>Term</b>	2023.01.16.~2024.01.15
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	4,500,000 Won
Researcher	Computational Materials Sciences(2) (Prof. Sung Youb Kim)	1	<b>Main Tasks</b>	Computational analysis of 2D nano materials (materials with one atomic layer) (MD and/or DFT)
			<b>Eligibility</b>	- Master degree in materials science and engineering or related areas (computational materials science) - A person who qualifies for E-3 VISA
			<b>Preferences</b>	Research experience and capability in closely related field
			<b>Term</b>	2023.01.16.~2024.01.15
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,600,000 Won

※ **Notice**

- 1) No preference given to age or sex
- 2) Ph.D. degree is required for Postdoctoral Research positions.
- 3) Applicants can apply to only one field
- 4) If there's a person who gives up one's appointment or if vacancy occurs within six months after the appointment, the next candidate may be appointed (only if there are candidates)
- 5) Documents that can prove eligibility and preferences might be required.
- 6) If false or non-evident information is written in the application form, the appointment may be canceled even after the employment.
- 7) Contract conditions might be changed with the agreement between the employer and employee.

## IV

## Contact

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