

## Recruitment for Researchers in the College of Information and Biotechnology(2022-10th)

### I Recruitment of researchers

(Code No.) Recruitment field	Expected number of people	Details
<b>(A-0702)</b> UNIST Vision and Learning Lab	Post doctor researcher (contract worker)	1 <p><b>[Main task]</b></p> <ul style="list-style-type: none"> <li>- Research on Computer Vision, Machine Learning</li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>- Those who have graduated from the doctorate program (those who can graduate from the doctorate program before the first day of work)</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>- Related work experience</li> <li>- Special treatment for foreign language (English) fluent</li> <li>- One or more papers from CVPR/ICCV/ECCV,NeurIPS/ICML/ICLR</li> </ul> <p><b>[Contract]</b></p> <ul style="list-style-type: none"> <li>- Contract period: 2022. 12. – 2023. 11. (12 months)</li> <li>* Researchers are contracted for up to one year and can be re-signed through evaluation.</li> <li>- Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00-18:00)</li> <li>- Salary: (before tax) 4,400,000 won per month</li> </ul>
<b>(E-0101)</b> THz Vacuum Electronics and Electromagnetics Lab	Post-doctoral researcher (contract worker)	1 <p><b>[Main task]</b></p> <ul style="list-style-type: none"> <li>- Design/Analysis/Experiment of high power RF devices for magnetized fusion reactor</li> <li>- ECH/ECCD launcher design</li> <li>- Writing research papers</li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>- Doctoral degree (expected to receive Ph.D before the date of contract)</li> <li>- Electrical engineering, physics or nuclear engineering</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>- Related research experience</li> <li>- Experience in RF experiments and design</li> <li>- Special treatment for fluency in foreign language (English)</li> </ul> <p><b>[Contract]</b></p> <ul style="list-style-type: none"> <li>- Contract period: 2022.12 – 2023. 11 (12 months)</li> <li>* Researchers are contracted for up to one year and can be re-signed through evaluation.</li> <li>- Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00 – 18:00)</li> <li>- Salary: (before tax)3~4 million won per month</li> </ul>

<p>(B-0301) Materials Chemistry Lab</p>	<p>Researcher or Postdoctoral researcher (contract worker)</p>	<p>1</p>	<p><b>[Main task]</b></p> <ul style="list-style-type: none"> <li>- Cancer diagnosis and therapy research</li> <li>- Research on nanocarriers for regulating tumor microenvironmental responses</li> <li>- Cell imaging and toxicity testing</li> </ul> <p><b>[Eligibility]</b></p> <ul style="list-style-type: none"> <li>- <b>Ph.D. in related research field</b></li> <li>- Master's degree with more than 5 years of research experience</li> <li>- Major in Biology, Biotechnology, Chemical biology</li> </ul> <p><b>[Preferential]</b></p> <ul style="list-style-type: none"> <li>- Related experience in Protein Isolation and Refining</li> <li>- Related research experience in oncology</li> <li>- Experienced in Biomolecular, animal testing research and Immunology experiment</li> </ul> <p><b>[Contract]</b></p> <ul style="list-style-type: none"> <li>- Contract period: 2022.12 – 2023.11 (12 months)</li> <li>* Researchers are contracted for up to one year and can be re-signed through evaluation.</li> <li>- Working hours: 5 days a week (Mon–Fri), 8 hours a day (9:00 – 18:00)</li> <li>- Salary: (before tax) 3.0~5.0 million won per month</li> </ul>
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※ **Notice**

- 1) Applicants can apply in only one field.
- 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.
- 5) Foreign applicants must meet the conditions to obtain an E-3 visa or suitable visa for appointment.

**II Contract**

- Contract period: Please refer to the above details.
  - ※ In the case of appointment commencement date and contract period, it may be changed after consultation with the research manager.
- Working hours: Please refer to the above details.
- Place of Work: UNIST

**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
- For men, military uniform or exemption
- 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.
  - You must be able to work immediately after appointment.
    - \* It is possible to negotiate the first working day and appointment period depending on circumstances such as preventing the spread of COVID-19 and living abroad.

## **IV** How to apply & Procedures

- Application period: 2022.09.30.~10.17.,24:00 (\*Korean time standard)
- How to apply: Online application (<https://unist-researcher.recruiter.co.kr/>)
  - ※ If it is deemed necessary to perform research duties, major and Evidence data such as credits can be requested separately (used as reference data)
- When filling out the application, 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.
- 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)
- Procedure: Document Screening, Interview
  - Document review: Establish and evaluate the document evaluation quantitative evaluation criteria and select 3 times the number of expected employees.
  - Interview
    - \* Regarding the place where the interviewee resides and the prevention of COVID-19, it may be a untact interview.
  - If there are no qualified candidates for each screening process, the candidates may be reduced or not selected.
  - According to laws and policies, there are additional points for national merit, their families, and people with impairments.
  - 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 general hiring examination, 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.

- If an unsuccessful candidate wishes to retrieve one's application document, request can be made within 2 weeks of announcement.

## V Recruitment Schedule

- Schedule (\*The schedule may change.)
  - Application period: 2022.09.30.~10.17., 24:00 (\*Korean time standard)
  - Announcement of successful applicants: 2022.10.25
  - Announcement of Candidates for Job offers: 2022.11.8.
  - Appointment scheduled for: 2022.12.~
- Ulsan Institute of Science and Technology (UNIST)  
College of Information and Biotechnology/ Academic & Students Affairs Team
- Tel: (052) 217-1844, ib-recruit@unist.ac.kr
- Address: 50, UNIST-gil, Ulsan 44919, Republic of Korea

Job description (A-0702)	
Work	Laboratory researcher
Main task	<input type="radio"/> Research on Computer Vision, Machine Learning <input type="radio"/> 3D pose estimation of face/body/hands, 3D reconstruction of single RGB, motion recognition, deep learning, generational hostile network, graph convolution network, data augmentation, active learning, etc.
Necessary knowledge	<input type="radio"/> Expertise in machine learning, computer vision, and software
Necessary technology	<input type="radio"/> Skills for artificial intelligence, machine learning, computer vision, and software <input type="radio"/> Problem solving skills <input type="radio"/> Ability to establish logical thinking, research plans, and report results <input type="radio"/> Ability for laboratory safety
Job attitude	<input type="radio"/> Active Collaboration and Attitude to Solve Problems <input type="radio"/> Responsibility and awareness of laboratory safety <input type="radio"/> Understand the school culture and actively adapt to school
Basic ability	<input type="radio"/> Communication ability, mathematical ability, problem solving ability, resource management ability, etc.
Other job-related qualifications	<input type="radio"/> Related work experience <input type="radio"/> Special treatment for foreign language (English) fluent

### Job description (E-0101)

Work	Laboratory researcher
Main task	<input type="radio"/> Design of vacuum tubes <input type="radio"/> RF waveguides and antenna design <input type="radio"/> Experiment of RF components and antennas
Necessary knowledge	<input type="radio"/> basic knowledge of RF engineering <input type="radio"/> understanding vacuum devices, high power RF sources <input type="radio"/> Ability to simulate various RF tools such as CST, HFSS, etc
Necessary technology	<input type="radio"/> Electrical engineering, physics, nuclear engineering <input type="radio"/> Vacuum tube design and high power RF experiments <input type="radio"/> Ability to express oneself and to write document <input type="radio"/> Adequate judgment ability on safety and efficiency
Job attitude	<input type="radio"/> Active problem solving attitude <input type="radio"/> Responsibility and thorough safety awareness <input type="radio"/> The ability to understand the organization culture and the attitude to adapt to it
Basic ability	<input type="radio"/> Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Other job-related qualifications	<input type="radio"/> A fluent speaker of English

### Job description (B-0301)

Work	Laboratory researcher
Main task	<input type="radio"/> Cancer diagnosis and therapy research <input type="radio"/> Cell imaging and toxicity testing <input type="radio"/> Research on nanocarriers for regulating tumor microenvironmental responses <input type="radio"/> Nano-bio material-based diagnostic kit technology development
Necessary knowledge	<input type="radio"/> Basic knowledge of Biology and Molecular Biology <input type="radio"/> Understanding biological testing methods and procedures <input type="radio"/> Ability to operate experimental equipment
Necessary technology	<input type="radio"/> biology, biotechnology, chemical biology experiment skills <input type="radio"/> Operational and management capabilities for experimental equipment <input type="radio"/> Ability to express oneself and to write document <input type="radio"/> Adequate judgment ability on safety and efficiency
Job attitude	<input type="radio"/> Active problem solving attitude <input type="radio"/> Responsibility and thorough safety awareness <input type="radio"/> The ability to understand the organization culture and the attitude to adapt to it
Basic ability	<input type="radio"/> Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Other job-related qualifications	<input type="radio"/> A fluent speaker of English