Recruitment for Researchers
in the College of Information-Bio Convergence Engineering(2021-9th)

I   Recruitment of researchers

Recruitment Area (Code No.)		Expected number of people	Details
Biomaterials and Translational Medicine Lab (B-06-01)	Postdoctoral researcher (contract worker)	1	**[Main task]** - Nanoparticle synthesis, modification, and characterization - Development of Implantable bioelectronic devices and drug delivery system - in vitro and in vivo imaging (cell and mouse) - Assessment of toxicology, tissue regeneration and inflammation **[Eligibility]** - Ph.D. in related research field - 1 or more paper publication as a first author in relevant area **[Preferential]** - Related research experience in drug delivery and(or) bioimaging - Fluent in English **[Contract]** - Contract period: 2021.10 – 2022.09 (12 months) * Researchers are contracted for up to one year and can be re-signed through evaluation. - Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00-18:00) - Salary: (before tax) 3 million to 4.5 million won per month
Unstructured Data Mining and Machine Learning Laboratory (I-06-01)	Postdoctoral researcher (contract worker)	1	**[Main task]** - Develop AI/machine learning/deep learning models - Develop computer vision models **[Eligibility]** - Ph.D. in computer science, industrial engineering, information science, or a related field **[Preferential]** - Related research experience in AI/machine learning/deep learning - Related research experience in computer vision **[Contract]** - Contract period: 2021.10 – 2022.09(12 months) * Researchers are contracted for up to one year and can be re-signed through evaluation. - Working hours: 5 days a week (Mon-Fri), 8 hours a day (9:00-18:00) - Salary: (before tax) 4~5 million won per month
Bioinformatics Lab (L-09-01)	Researcher (contract worker)	1	**[Main task]** - Bioinformatics/machine learning algorithm development or data analysis - Single cell data analysis **[Eligibility]** - MS degree in biology/bioengineering, computer/statistics, or

		related field
		[Preferential]
		- Experience in bioinformatics data analysis or software development
		- Basic statistics or machine learning knowledge
		- Basic knowledge in molecular biology
		[Contract]
		- Contract period: 2021.10 – 2022.09 (12 months)
		* Researchers are contracted for up to one year and can be re-signed through evaluation.
		- Working hours: 5 days a week (Mon–Fri), 8 hours a day (9: 00 – 18: 00)
		- Salary: (before tax) 2 million won per month

※ Notice

1) The criteria for accreditation of official English grades are limited to those published within 2 years of the application deadline.

2) The number of applicants can be reduced if there is no qualified person.

3) 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.

4) Only foreign applicants eligible to apply for E-3 VISA

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

▪ Recruitment notice and documents submission period: 2021.8.4.~ 2021.8.20. 24:00 (16 days)

▪ How to submit an application

‑ Recruiter E‑mail: Please send documents by email. (k01291@unist.ac.kr)

‑ Documents to be submitted: Application form, Cover letter, job and research performance record, personal information third party

 / 1 copy of each written offer agreement (see attached form)

※ If it is deemed necessary to perform research duties, major and Evidence data such as credits can be requested separately (used as reference data)

※ How to apply
- The submitted documents are converted into PDF files (after scanning) and sent by e‑mail.
- Subject: "(Code No. of Recruitment Area)Application for UNIST Researcher: Your name"
- Note: Applications should be received by 24:00 on the due date

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▪ 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 no entry of photograph, school name, credit, family relationship, family name, date of birth, and physical condition.

▪ The following contents and conditions are also prohibited from the application: Name of school, family relationship, date of birth, person, and body

▪ 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 hiring examination for public officials, 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 Submission: 2021.8.4.~ 2021.8.20. 24:00 (16 days)
 - Announcement of successful applicants: 2021.8.30.
 - Announcement of Candidates for Job offers: 2021.9.10.
 - Appointment scheduled for: 2021.10.~

VI   Contact

▪ Ulsan Institute of Science and Technology (UNIST)
 College of Information-Bio Convergence Engineering/ Academic & Students Affairs Team
- Tel: (052) 217-1844, k01291@unist.ac.kr
- Address: 50, UNIST-gil, Ulsan 44919, Republic of Korea

Job description (B-06-01)	
Work	Laboratory researcher
Main task	○ Cell imaging and toxicology test ○ Nanoparticle-based cellular targeting ○ Nano-Bio materials & implantable sensors ○ Basic laboratory works on regenerative medicine and tissue engineering
Necessary knowledge	○ Basic knowledge of molecular biology ○ Understanding the synthesis and characterization of nanomaterials ○ Cell and mouse (in vivo) experimental experience
Necessary technolgy	○ Experimental technology on molecular biology ○ Operational and management capabilities for experimental equipment ○ Ability to express oneself and to write document ○ Adequate judgment ability on safety and efficiency
Job attitude	○ Active problem solving attitude ○ Responsibility and thorough safety awareness ○ The ability to understand the organization culture and the attitude to adapt to it
Basic ability	○ Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	○ Ph.D. in related research field ○ 1 or more paper publication as a first author in relevant area
Other job-related qualifications	○ A fluent speaker of English

Job description (I-06-01)

Work	Laboratory researcher
Main task	○ Research on AI/machine learning/deep learning ○ Research on computer vision
Necessary knowledge	○ Knowledge in AI/machine learning/deep learning ○ Knowledge in computer vision
Necessary technolgy	○ Programming skills (Python) ○ Ability to express oneself and to write documents
Job attitude	○ Active problem solving attitude ○ Responsibility and thorough safety awareness
Basic ability	○ Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	○ A person who majored in computer science, industrial engineering, information science, or a related field ○ Ph.D.
Other job-related qualifications	○ A fluent speaker of English

Job description (L-09-01)

Work	Laboratory researcher
Main task	○ Bioinformatics/machine learning algorithm development ○ Single cell data analysis ○ Bioinformatics software development
Necessary knowledge	○ basic knowledge of biology and molecular biology ○ Programming ability ○ Machine learning, data analysis
Necessary technolgy	○ R, Python, or C++ programming ○ Data analysis ○ Ability to express oneself and to write document
Job attitude	○ Active problem solving attitude ○ Responsibility and thorough safety awareness ○ The ability to understand the organization culture and the attitude to adapt to it
Basic ability	○ Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	○ MS degree in biology/bioengineering, computer/statistics, or related field
Other job-related qualifications	○ A fluent speaker of English