

Recruitment for Researchers in the College of Information and Biotechnology(2022-4th)

I Recruitment of researchers

Recruitment Area (Code No.)	Expect ed number of people	Details
<p>Nanostructured Photonic Deviacs Laboratory (E-07-01)</p>	<p>Postdoctoral researcher (contract worker)</p>	<p>1</p> <p>[Main task]</p> <ul style="list-style-type: none"> - Design of THz metamaterials and metasurfaces - Development of THz metamaterials and metasurfaces <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. in electrical engineering, optical engineering, physics, or a related field <p>[Preferential]</p> <ul style="list-style-type: none"> - Related research experience in THz antenna or metamaterial structures - Related research experience in experiment on electronic and optical devices <p>[Contract]</p> <ul style="list-style-type: none"> - Contract period: 2022.06 – 2023.05. (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) 3.5~4.5 million won per month
<p>THz Vacuum Electronics and Electromagneti cs Lab (E-0101)</p>	<p>Post-doctoral researcher (contract worker)</p>	<p>1</p> <p>[Main task]</p> <ul style="list-style-type: none"> - Design/Analysis/Experiment of high power RF devices for magnetized fusion reactor - ECH/ECCD launcher design - Writing research papers <p>[Eligibility]</p> <ul style="list-style-type: none"> - Doctoral degree (expected to receive Ph.D before the date of contract) - Electrical engineering, physics or nuclear engineering <p>[Preferential]</p> <ul style="list-style-type: none"> - Related research experience - Experience in RF experiments and design - Special treatment for fluency in foreign language (English) <p>[Contract]</p> <ul style="list-style-type: none"> - Contract period: 2022.06 – 2023.05 (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)3~4 million won per month

<p style="text-align: center;">Materials Chemistry Lab (B-0301)</p>	<p style="text-align: center;">Researcher or Postdoctoral researcher (contract worker)</p>	1	<p>[Main task]</p> <ul style="list-style-type: none"> - Cancer diagnosis and therapy research - Research on nanocarriers for regulating tumor microenvironmental responses - Cell imaging and toxicity testing <p>[Eligibility]</p> <ul style="list-style-type: none"> - Ph.D. in related research field - Master's degree with more than 5 years of research experience - Major in Biology, Biotechnology, Chemical biology <p>[Preferential]</p> <ul style="list-style-type: none"> - Related experience in Protein Isolation and Refining - Related research experience in oncology - Experienced in Biomolecular, animal testing research and Immunology experiment <p>[Contract]</p> <ul style="list-style-type: none"> - Contract period: 2022.06 – 2023.05 (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) 3.0~5.0 million won per month
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※ **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: 2022.4.4.~ 2022.4.20. 24:00 (16 days)
- How to submit an application
 - Recruiter E-mail: Please send documents by email. (ib-recruit@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

- 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 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 Submission: 2022.4.4.~ 2022.4.20. 24:00 (16 days)
 - Announcement of successful applicants: 2022.4.29
 - Announcement of Candidates for Job offers: 2022.5.9.
 - Appointment scheduled for: 2022.6.~
- Ulsan Institute of Science and Technology (UNIST)
College of Information-Bio Convergence Engineering/ Academic & Students Affairs Team
 - Tel: (052) 217-1844, ib-recruit@unist.ac.kr
 - Address: 50, UNIST-gil, Ulsan 44919, Republic of Korea

Job description (E-07-01)

Work	Laboratory researcher
Main task	<input type="radio"/> Design of THz metamaterials and metasurfaces <input type="radio"/> Development of THz metamaterials and metasurfaces
Necessary knowledge	<input type="radio"/> Knowledge in THz metamaterials and metasurfaces <input type="radio"/> Knowledge in THz measurement techniques
Necessary technology	<input type="radio"/> Experimental technology on THz devices <input type="radio"/> Operational and management capabilities for experimental equipment <input type="radio"/> Ability to express oneself and to write document
Job attitude	<input type="radio"/> Active problem solving attitude <input type="radio"/> Responsibility and thorough safety awareness
Basic ability	<input type="radio"/> Communication skills, calculation skills, problem-solving skills, interpersonal skills, etc.
Required qualification	<input type="radio"/> Ph.D. in electrical engineering, optical engineering, physics, or related research field
Other job-related qualifications	<input type="radio"/> A fluent speaker of English

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.
Required qualification	<input type="radio"/> Doctoral degree (expected to receive Ph.D before the date of contract) – Electrical engineering, physics or nuclear engineering
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.
Required qualification	<input type="radio"/> Ph.D. in related research field or Master's degree with more than 5 years of research experience <input type="radio"/> Major in Biology, Biotechnology, Chemical biology
Other job-related qualifications	<input type="radio"/> A fluent speaker of English