

2025 Summer DGIST Research Internship for International Students

INNOVATIVE UNIVERSITY
CHANGING THE WORLD
THROUGH CONVERGENCE

Expand your scientific
research experience at DGIST!

DGIST Research Internship for Undergraduates aims to provide talented Korean and international students with opportunities to experience research environment of DGIST for 6 weeks. Participants will serve their internship at the lab of their choice under the guidance of DGIST faculty members as visiting research students.

Program Period June 30, 2025 – August 8, 2025 (6 weeks)

Application Period March 10, 2025 – March 21, 2025

RESEARCH AREA

- Physics and Chemistry
- Electrical Engineering and Computer Science
- Robotics and Mechatronics Engineering
- Energy Science and Engineering
- Brain Sciences
- New Biology
- Interdisciplinary Studies

APPLICATION

- **Eligibility:** Undergraduates with at least 4 completed semesters, with a cumulative GPA of 3.0/4.0 or higher, and with high levels of English language proficiency
 - **How to:** Online application with application documents
 - **Documents:** Application form, Certificate of enrollment, Academic transcript, Recommendation letter (directly sent by academic advisor or faculty)
- *D-2 visa holders in Korea are also eligible for this program and additional process can be applied for work permit.

BENEFITS

- No program fees and financial support (around KRW 900,000) for housing and meals
- On-campus housing
- Korean culture activities and industrial tour for international students



International Affairs Team

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Daegu, Republic of Korea, 42988



DGIST homepage



DGIST Research Internship
Online Application



2024 Research Internship
Youtube



Notification for
2025 Application Open

2025 Summer DGIST Graduate School Research Internship for International Undergraduate Students

2025 Feb

1. Overview

The DGIST Research Internship for Undergraduates provides undergraduate students from DGIST and other universities with the opportunity to explore various research topics at DGIST's graduate school and engage in practical interdisciplinary research for 6 weeks.

2. Program Details

- a. **Period:** [June 30, 2025 to August 8, 2025 \(6 weeks\)](#)
- b. **Details:** To conduct research internship in one lab in 6 departments in DGIST Graduate School under the supervision of DGIST professor
 - Working Hours: From 9 am to 6 pm, with an 8-hour workday (excluding one hour for lunch) **Working hours may vary between labs.*
- c. **Housing:** All participants can stay at DGIST student dormitory. (2 people in one room)
- d. **Financial Support:** KRW 930,000 in total
 - Dormitory fee for June 29, 2025 to August 9, 2025 in amount of approximately KRW 330,000 will be paid by DGIST and program participants don't need to pay. **Students must arrive and check-on Sunday, June 29, 2025 and leave on Saturday, August 9, 2025. Student may apply for extension of stay, but he/she should pay directly to the Students Dormitory.*
 - Support for daily life expenses in amount of KRW 600,000 (KRW 15,000 per day) will be provided directly from DGIST to program participants' bank account. **Since the support will be provided to the Korean bank account in the 2nd and 4th week after arrival at DGIST, all program participants should open the Korean bank account on-campus bank upon arrival.*
- e. **Visa:** All program participants must obtain the C-3-1 (Short-term Visit) visa before coming to Korea and it is program participant's responsibility to obtain it before program starts. **D-2 visa holders who are currently studying in Korea should apply for the work permit.*
- f. **Notes:** Program participants are responsible for covering international and domestic transportation, visa application fees, and other miscellaneous costs. They should also enroll in the health insurance fee for their stay in Korea.

3. Application

a. Eligibility

- Enrolled undergraduate students with at least 4 completed semesters by the time of application or graduates (not currently enrolled in Master's or PhD program) with foreign nationality (non-Korean)
- Students/graduates with a cumulative GPA of 3.0/4.0 or higher
- Students with high levels of English language proficiency
- *D-2 visa holders who are currently studying in Korea are also eligible.*

- b. **How to:** Online application at https://www.dgist.ac.kr/en_college/sub06_02.do
 - For successful application, applicants should verify their email at the online application system and all required documents must be uploaded.
 - Applicants should fill out the email address of academic advisor at the home university, and the link for him/her to be able to upload the letter of recommendation will be directly sent to his/her email address from the system after you submit the application. Please note that the academic advisor must use and upload the designated form of recommendation letter and it should be uploaded by the application deadline. If the recommendation letter does not arrive by the deadline or does not use the designated form, application shall not be accepted.
- c. **Application Period:** [From March 10, 2025 to at 23:59pm, on March 21, 2025 \(KST\)](#)
 - For recommendation letter by an academic advisor, he/she should write the recommendation letter and upload it on the link by March 28, 2025.
 - The online application system will show the server time (KST). Please make sure to submit the application and upload the recommendation letter by the deadline.
- d. **Required documents:** All documents should be written in English.
 - Application form (DGIST form)
 - Student status confirmation letter issued by the home university (e.g. Certificate of enrollment at the home university, certificate of leave of absence at the home university, certificate of graduation from the home university, etc)
 - Academic transcript (must show a cumulative GPA and GPA scale)
 - A letter of recommendation by academic advisor or faculty at the home university (DGIST form)
- e. **Notes:** All participants should select their 1st and 2nd choices of labs among the one department in the Graduate School on the online application system. It is not allowed to select the 1st and 2nd choices from different departments.

4. Review and Result Announcement

- a. **Review:** Application shall be reviewed by the International Affairs Team first to see if all documents are uploaded successfully, DGIST forms are used, and etc. For the 2nd review process (documents screening), each department will review the applications and will decide the successful applicants.
- b. **Result Announcement:** The result announcement shall be made in the mid-April 2025 and applicants can check the result on the application website. The notification of result announcement will be sent to successful applicants' email.
 - For students who are not accepted, the notification email will not be sent and they need to check the result on the website. In the event that a successful applicant decides to withdraw, the next candidates in line will be notified promptly via email.

5. Registration at DGIST as a Visiting Research Student

- a. **1st registration in mid-April:** Successful applicants should confirm his/her acceptance for DGIST student dormitory during the program period and upload the 1st documents below:
 - Bank balance statement (a proof of financial ability) showing a balance more than KRW 1,200,000 (USD 900)
 - Agreement form for internship participation

- A copy of the passport ID page
- b. **Visa application from April to May:** If the program participants submit all the required documents for the 1st registration, the International Affairs Team will send the supporting documents for visa application (C-3-1) by the end of April. Program students must explore the information on the website of the Embassy of the Republic of Korea in their home country and prepare all necessary paperwork. It is program participants' responsibility to obtain it before program starts.
- c. **2nd registration by the early June:** After obtaining the C-3-1 visa, the program participants submit the required documents below for successful registration as a visiting research student.
 - Registration form for a Visiting Research Student (VRS) at DGIST, which should include the certificate of visa (C-3-1), the round-trip flight itinerary, the certificate of health insurance that covers the whole stay at Korea.
 - All program participants who are willing to stay in DGIST student dormitory should submit both Tuberculosis (TB) test results and the proof of measles vaccination. Please ensure that both documents should be written in English.
 - *TB test results with doctor's signature and date of confirmation can be a chest X-ray, sputum test, skin test, or blood test, valid within the recent 3 months before check-in to DGIST dormitory*
 - *Proof of measles vaccination with doctor's signature and date of confirmation should show the 2 doses of vaccination in total.*

6. Life Support for Program Participants

- a. **DGIST student dormitory:** DGIST supports the dormitory fee from one day before the program starts to one day after the program ends. For participants who would like to extend or change the stay period, the fee for changed period shall be borne by program participants. DGIST also provide the beddings for students, excluding the pillow stuffing. Additionally, there are laundry machines in each student dormitory building and program participants can use them by charging the money. International kitchen and meditation/prayer room are the space for all international members at DGIST.
- b. **Orientation:** On the first Monday of program, the International Affairs Team will present the orientation for international students.
- c. **Mentor:** One lab colleague, a senior undergraduate student or a graduate student, will be paired with you and help you to settle in the new lab environment.
- d. **Korean Culture Session:** The International Affairs Team will provide the Korean culture session that program applicants could experience the Korean culture, such as workshop session and Daegu street tour. Payment for program fee is required.
- e. **Industrial Tour:** One-day tour to other research institution and the Korean company will be arranged for program participants. Payment for program fee is required.
- f. **Gathering with International Seniors:** For program participants who are interested in admitting the DGIST Graduate School, the gathering with seniors to get some tips will be held.

7. Inquiry at DGIST International Affairs Team

- Email: intl_internship@dgist.ac.kr
- Instagram: dgist_international
- Office: E1 Rm 805, 333, TechnoJungangDaero, Hyeonpung-Eup, Dalseong-Gun, Daegu, South Korea

Research Labs for 2025 Summer DGIST Graduate School Research Internship for International Students

No.	Department	Lab	P.I.	Research Area	Web	Research Internship
1	Physics and Chemistry	Quantum Many-Body Theory Group	Aaram J Kim	<ul style="list-style-type: none"> • Developing computational algorithms for strongly-correlated systems - Diagrammatic Monte Carlo method - Dynamical mean-field Theory • Emergent phenomena of strongly correlated systems - Model study of experimentally measurable response functions - Symmetry-breaking including superconductivity, magnetism, and so on 	https://sites.google.com/view/ajkdqist	O
2	Physics and Chemistry	Emerging materials science and multifunctional device Lab	CheolGi Kim	<ul style="list-style-type: none"> • Spintronics Devices/Bio-NEMS & MEMS/Sensors - Novel spintronics devices - Innovative 3D field sensors - Bio-NEMS/MEMS - Bio-initiative magnetic devic 	https://nbest.dgist.ac.kr/	O
3	Physics and Chemistry	Organic synthesis and catalysis lab	Sunggi Lee	synthesis basic organic compounds, reaction development, photoredox reaction	https://sites.google.com/view/orgsyndqist/	O
4	Electrical Engineering and Computer Science	Medical Acoustic Fusion Innovation Lab.	Jin Ho Chang	Medical Ultrasound Signal Processing and Systems Ultrasound-based Wireless Power Charging Deep learning for Medical Imaging	https://mafi.dgist.ac.kr/	O
5	Electrical Engineering and Computer Science	Multimodal Biomedical Imaging and System(MBIS) Lab	Jae Youn Hwang	Ultrasound Imaging, AI for Ultrasound Image Analysis, AI for Remote Sensing,	https://mbis.dgist.ac.kr/	O
6	Electrical Engineering and Computer Science	Quantum and Biomedical Optics Lab	Kijoon Lee	Biomedical Optics, focused on Diffuse Optics (Non-invasive blood flow measurement)	https://sites.google.com/view/qbolab	O
7	Electrical Engineering and Computer Science	Privacy and Applied Cryptography Lab.	Young-Sik Kim	Privacy-Preserving Machine Learning Post-Quantum Cryptography Quantum Information and Security Vehicular Security	https://sites.google.com/view/pacl/	O
8	Electrical Engineering and Computer Science	High Assurance Software Systems Lab	BaekGyu Kim	Autonomous Driving Software, Software Testing, Digital Twin, Cloud/Edge Computing	https://hass.dgist.ac.kr/	O
9	Robotics and Mechatronics Engineering	Next-generation Medical Imaging Lab.	Okkyun Lee	<ul style="list-style-type: none"> - Photon counting CT(System&Algorithm) - Functional brain imaging/Statistical signal processing - Machine&Deep learning 	https://sites.google.com/view/nmil	O
10	Robotics and Mechatronics Engineering	Nano Materials & Devices Lab	Hoe Joon Kim	<ul style="list-style-type: none"> - Robotic Sensors & Systems - Smart Manufacturing (3D Printing) - Semiconductor Devices 	https://joonkim.dgist.ac.kr/	O
11	Robotics and Mechatronics Engineering	IBOM Lab	Cheol Song	<ul style="list-style-type: none"> - Robotics - Artificial Intelligence - Biomedical Engineering 	https://sites.google.com/view/dgist-ibom/	O
12	Robotics and Mechatronics Engineering	Motion Control Lab	Sehoon Oh	Human Robot Interaction Control, Manipulator Control, Quadruped Robot Control, Novel Mechanism for Future Vehicle, Vehicle Control, Data-driven Control Design	https://sites.google.com/view/motion-control-lab/	O
13	Energy Science and Engineering	Advanced Energy Materials Lab	Sangaraju Shanmugam	Electrocatalysts for Green e-fuels (Hydrogen and Ammonia) ; Polymer membranes for Redox flow batteries; "PEM Fuel Cells	https://sangarajus.wixsite.com/shanmugam	O
14	Energy Science and Engineering	Biophysics and Soft Matter Lab (BioSM)	Seungho Choe	<ol style="list-style-type: none"> 1) Cell-Penetrating Peptides(CPPs) and Drug Delivery 2) Electrolytes for Li-ion Transport and Material Design 	https://seunghochoe.netlify.app/	O

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15	Energy Science and Engineering	Polymer and Organic Energy Materials Lab.	Chiyoung Park	Polymer recycling, Sustainable soft electronic materials, Polymer membranes for desalination, pollutant removal, Bioenergy for Nitrogen fixation & Hydrogen evolution, Bioadhesives	https://cplab2019.wixsite.com/cplab	○
16	Brain Sciences	Laboratory of Synapse and Circuits Dynamics	Mean-Hwan Kim	Synaptic transmission, neuromodulation	https://sites.google.com/view/kim-lab-dgist/	○
17	Brain Sciences	Laboratory of Structural Learning and Neuromodulation	Jung Ho Hyun	<ul style="list-style-type: none"> - Demystifying cognitive flexibility at single cell resolution - Neuromodulatory role in structural learning using in vivo imaging and computational approach - Neural correlates of inference in rodents - Develop novel technology to label emotional state of the intact brain 	http://hyunlab.org/	○
18	Brain Sciences	Neural Dynamics Lab	Kwang Lee	<ul style="list-style-type: none"> - Brain circuit - Brain modulation - Brain interface - Brain mapping - Brain mechatronics 	https://kleelab.github.io/	○
19	New Biology	Lab of Cellular Precision and Plant Development	June M. Kwak	<ul style="list-style-type: none"> - Single-cell analysis - cell type-specific genetics -cell separation/signaling -Plant development 	https://kwaklab.dgist.ac.kr/	○
20	New Biology	Cellular stress response and Cancer genetics	Younghoon Kee	<ul style="list-style-type: none"> - DNA damage, repair, checkpoints - Cellular resistance to therapeutic drugs - Cellular response to oncogenic mutations 	https://www.giclaboratory.com/	○
21	New Biology	Laboratory for QBIO and Precision Medicine	Min-Sik Kim	<ul style="list-style-type: none"> - Clinical Proteogenomics and Precision Medicine - Mass spectrometry and Biomarker - PTM and Systems Biology 	https://sites.google.com/view/bio-mass-spec/	○
22	New Biology	Molecular Epigenetics Lab	Yoori Kim	<ul style="list-style-type: none"> - Epigenetic protein purification and function - Genomic structure and human diseases - Single-molecule and cell imaging - Electric DNA chip biosensor 	https://www.yk-laboratory.org/	○
23	New Biology	Ageing and immunity lab	Chang-Hoon Nam	<ul style="list-style-type: none"> - Research on immunological changes in the aging process - Research into the link between anti-ageing mechanisms, metabolic processes and Cellular rhythmicity - development of eco-friendly materials through bacteriophage modification - development of antimicrobial peptides 	https://www.dgist.ac.kr/people/Profsr/newbiology/sub02_01/view.do	○
24	New Biology	Plant Molecular Communication Lab	Hye Ryun Woo	<ul style="list-style-type: none"> - Regulatory mechanisms of stress responses in plants - DNA damage repair-mediated plant senescence - Small peptide-mediated leaf senescence - Ferroptosis and plant senescence 	https://www.dgist.ac.kr/people/Profsr/newbiology/sub02_01/view.do	○

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No.	Department	Lab	P.I.	Research Area	Web	Research Internship
25	New Biology	Lab of Protein Homeostasis & Drug Discovery	Byung-Hoon Lee	<ul style="list-style-type: none"> - Ubiquitin-proteasome system (UPS) - PROTAC, Targeted protein degradation (TPD), Induced proteolysis for development of novel therapeutic strategies - Protein homeostasis for health - Discovery of novel drug targets in cancers, neurodegenerative diseases, aging, and proteopathies - Screening of deubiquitinase (DUB) inhibitors for drug discovery 	https://proteolysis.dgist.ac.kr/main/main.php	○
26	New Biology	Laboratory of Integrative Animal Ecology [Lab IAE]	Sang-im Lee	<ul style="list-style-type: none"> - Behavior and ecology of wild passerine birds - Functional ecology of coloration in birds and insects 	https://behecolpiotrsangim.org/	○
27	New Biology	Single-molecule Biophysics and Advanced Bioimaging Laboratory	Jong-Chan Lee	<ul style="list-style-type: none"> - Liquid-liquid phase separation - Single-molecule biophysics - Single-molecule RNA translation dynamics - Super-resolution optical microscopy 	https://sites.google.com/view/jcleelab/home	○
28	New Biology	Laboratory of Aging, Metabolism and Physiology	Jaemin Lee	<ul style="list-style-type: none"> - Investigation of cellular stresses and their associated molecular signaling - Identification of novel pathways modulating metabolism and metabolic disorders such as obesity and diabetes - Investigation of signaling events in key metabolic tissues such as the brain and pancreatic beta cells 	https://physiology.dgist.ac.kr/	○
29	New Biology	Biointerface Structure and Skin Laboratory	Chang-Hun Lee	<ul style="list-style-type: none"> - Structure & Function Relationship of Skin Proteins - Structure-Based Drug Design and Protein Engineering - Physiology of Skin Homeostasis and Diseases 	https://sites.google.com/view/dgistskinlab/	○
30	New Biology	Lab of Stem Cell Biology and Cancer Precision Medicine	Youngtae Jeong	<ul style="list-style-type: none"> - Stem cells and Regenerative Medicine - Organoids and Bioartificial Organ - Cancer Stem Cells - Targeted Therapy - Tumor Immunology 	https://www.stemcancerbio.com/	○
31	New Biology	Lab of stem cell engineering and therapy	Tae Wan, Kim	Stem Cells, Direct differentiation, Neurodevelopment and degeneration, Disease modeling, Cell replacement therapy	http://twkim.dgist.ac.kr	○