

2018 Global Intern Program



Founded in 1993, GIST has grown over the past two decades to include an ever diverse group of talented students and prominent professors from around the world with the goal of becoming a top-tier global university by 2035. As an innovative research-oriented institute, GIST ranked 3rd in the world in Citations per Faculty in the QS World University Ranking in 2017.

What is GIP?

The Global Intern Program offers students from countries around the world an opportunity to experience research at GIST by having you join a research lab for eight-weeks during the summer. Since 2008, over 270 international students have gained both theoretical knowledge and practical training in research through the GIP program.

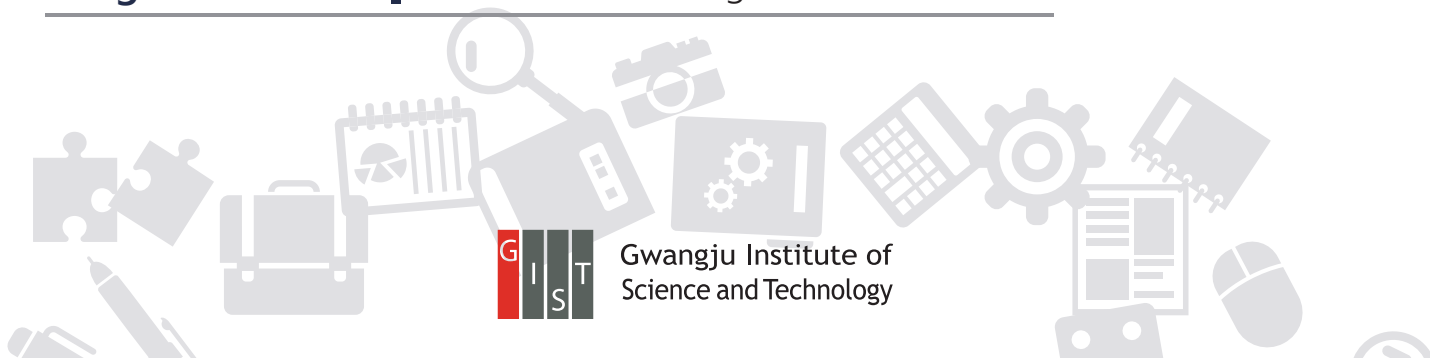
Who can apply for GIP?


The Global Intern Program is only open to international undergraduate students who are currently **seniors** and to students enrolled in **master's** program.

Host | Gwangju Institute of Science and Technology(GIST)

Apply | February 1, 2018 - March 18, 2018

Program Period | June 22, 2018 - August 17, 2018



Laboratories marked with a checkmark  are actively seeking GIP participants. Other laboratories are on a case-by-case basis, so please apply to them if you are interested.

Research at the Laboratory

School of Electrical Engineering and Computer Science

- ✔ Multimedia Communication Systems Lab (Prof. Kiseon Kim) <http://comlab.gist.ac.kr>
 - Biophotonics Laboratory (Prof. Jae Gwan Kim) <http://biophotonics.gist.ac.kr>
- ✔ Networked Computing Systems (NetCS) Laboratory (Prof. JongWon Kim) <http://nm.gist.ac.kr>
 - Speech, Audio and Language Communications Lab (Prof. Hong Kook Kim) <http://hucom.gist.ac.kr>
 - Computational Systems Biology Laboratory (Prof. Hojung Nam) <http://www.csblgist.net>
 - Computer Graphics Laboratory (Prof.Bochang Moon) <http://cglab.gist.ac.kr>
 - Wired and Wireless Communication Systems Laboratory (Prof. Chang-Soo Park) <http://www-ocl.gist.ac.kr>
 - Integrated Nanophotonics Laboratory (Prof. Tae Joon Seok) <https://sites.google.com/view/inpl>
- ✔ Flexible OptoElectronics Laboratory (Prof. Young Min Song) <http://www.gist-foel.net/>
 - High-Speed Integrated Circuit Laboratory (Prof. Jong-In Song) <http://speed.gist.ac.kr>
- ✔ Multimedia Signal Processing Laboratory (Prof. Jongwon Shin) <http://mspl.gist.ac.kr>
- ✔ Meta-Evolutionary Machine Intelligence Laboratory (Prof. Chang Wook Ahn) <https://sites.google.com/view/gist-memi>
 - Communication & Information Science Lab (Prof. Nam Yul Yu) <https://sites.goolge.com/site/informationsciencelab>
 - Computer Vision Laboratory (Prof. Kuk-Jin Yoon) <http://cvl.gist.ac.kr>
 - Solid-State Lighting Laboratory (Prof. Dong-Seon Lee) <http://ssll.gist.ac.kr>
- ✔ Integrated Circuits and Systems Laboratory (Prof. Minjae Lee) <http://icsl.gist.ac.kr>
 - Analog and Mixed-signal Integrated Circuit Design Lab (Prof. Byung-Geun Lee) <http://analog.gist.ac.kr>
 - Applied Optics Laboratory (Prof. Byeong Ha Lee) <http://aolab.gist.ac.kr>
 - Information-Processing and Control Network Laboratory (Prof. Heung-No Lee) <http://infonet.gist.ac.kr>
- ✔ Data Mining and Computational Biology Laboratory (Prof. Hyunju Lee) <http://combio.gist.ac.kr>
 - Wireless Communications and Networking Laboratory (Prof. Hyuk Lim) <http://wits.gist.ac.kr>
 - Microwave Optoelectronics Group (Prof. Jae-Hyung Jang) <http://midas.gist.ac.kr>
 - Machine Learnig & Vision Laboratory (Prof. Moongu Jeon) <http://mlv.gist.ac.kr>
 - Bio-Computing Laboratory (Prof. Sung Chan Jun) <https://biocomput.gist.ac.kr>
 - Optical Fiber Device Lab (Prof. Youngjoo Chung) <http://ontl.gist.ac.kr>
 - Heat-smart Optoelectronics & Phonon Engineering (Prof. Young-Dahl Jho) <http://hope.gist.ac.kr>

Research at the Laboratory

- Wireless Communications and Computing Laboratory (WCC) (Prof. Jinho Choi) <http://ccl.gist.ac.kr/>
- The Specialty Optical Fibers Technologies(SOFT) Lab (Prof. Won-Taek Han) <http://soft.gist.ac.kr>
- Photon Info. Processing Laboratory (Prof. Byong Seung Ham) <http://pip.gist.ac.kr>
- Visual Communication Systems Laboratory (Prof. Yo-Sung Ho) <http://vclab.gist.ac.kr>
- Semiconductor Device Simulation Laboratory (Prof. Sung-Min Hong) <https://sites.google.com/site/semidevsimlab/>

School of Materials Science and Engineering

- Flexible Electronics Laboratory (Prof. Ko, Heung Cho) <https://mse.gist.ac.kr/~flexible>
- Bioinspired and Biointegrated Materials Laboratory (Prof. Kwon, Inchan)
<https://sites.google.com/site/kwonbiomaterialsgist>
- Photonics Polymer Laboratory (Prof. Kim, Dong-Yu) <https://mse.gist.ac.kr/~ppl>
- In Situ Nanostructure Processing Laboratory (Prof. Kim, Bong Joong) <http://inpl.kr>
- Nanophotonic Semiconductors Laboratory (Prof. Park, Seong-Ju) <https://mse.gist.ac.kr/~master>
- Soft Nanomaterials and Energy Laboratory (Prof. Park, Ji-Woong) <https://mse.gist.ac.kr/~snl>
- ✓ Electrochemical Energy Systems Laboratory (Prof. Eom, Kwang Sup) <http://eeslab.org>
- Bio-Electronics Materials Laboratory (Prof. Yoon, Myung-Han) <https://sites.google.com/site/gistbioelectronics>
- Smart Hybrid Materials Laboratory (Prof. Yoon, Tae-Ho) <https://mse.gist.ac.kr/~smartpolymer>
- Organic Semiconductors and Photonics Laboratory (Prof. Lee, Kwanghee) <https://mse.gist.ac.kr/~ospl>
- ✓ Exploratory Hybrid Electronic Device Laboratory (Prof. Lee, Byoung Hun) <http://gistexel.com>
- Functional Nanostructures and Nanoelectronics Laboratory (Prof. Lee, Sanghan)
<https://www.sites.google.com/site/functionalnml/home>
- Functional Polymer Synthesis Laboratory (Prof. Lee, Jae-Suk) <https://mse.gist.ac.kr/~fps>
- Biomimetic Materials Laboratory (Prof. Lee, Jae Young) <https://sites.google.com/site/biomaterialjyl/home>
- Condensed Matter and Materials Theory Laboratory (Prof. Lee, Joo-Hyoung)
<https://sites.google.com/site/cmatatgist>
- Advanced Lithography for Integrated Systems Laboratory (Prof. Jung, Gun-Young) <https://mse.gist.ac.kr/alislab>
- Nanophotonic Semiconductors Laboratory (Prof. Cho, Beongki) <https://mse.gist.ac.kr/nsmml>
- Functional Oxide Nanostructure Laboratory (Prof. Jo, Ji Young) <https://mse.gist.ac.kr/~funoxide>
- Electrocatalysis and Materials Laboratory (Prof. Choi, Chang Hyuck) <http://www.emlgist.com>
- ✓ Biomacromolecular Engineering Laboratory (Prof. Tae, Giyoong)
<https://sites.google.com/site/gistbmel>

Research at the Laboratory

School of Earth Sciences and Environmental Engineering

- ✓ Stable Isotope Ecology Laboratory (Prof. Kang Chang-Keun) <http://www.siel.kr>
- Soil Environment Laboratory (Prof. Kim, Kyoung-Woong) <http://env1.gist.ac.kr/~soillab>
- Environmental Toxicology and Chemistry Laboratory (Prof. Kim, Sang-Don) <http://env1.gist.ac.kr/~etcl>
- Water Energy Link Laboratory (Prof. Kim, Young Mo) <http://kim780513.wixsite.com/well>
- Evolutionary Ecology Laboratory (Prof. Kim Eunsuk) <http://eunsukkim2.wix.com/board>
- ✓ Environmental Membrane-Biotechnology Laboratory (Prof. Kim, In S.) <http://embl.gist.ac.kr>
- Environmental Systems Engineering Laboratory (Prof. Kim, Joon Ha) <http://esel.gist.ac.kr>
- ✓ Environmental Omics Laboratory (Prof. Kim, Tae Young) <http://sites.google.com/site/tykingroup>
- Membrane and Electrochemistry Laboratory (Prof. Moon Seung-Hyeon) <http://mel.gist.ac.kr>
- Atmospheric Trace Molecule Spectrometry Laboratory (Prof. Min, Kyung-Eun) <http://atmoslab.gist.ac.kr>
- Aerosol Technology and Monitoring Laboratory (Prof. Park, Kihong) <http://atml.gist.ac.kr>
- Carbon & Energy Systems Laboratory (Prof. Park, Youngjune) <http://cnesl.gist.ac.kr>
- Atmospheric chemical Information Research Laboratory (Prof. Song, Chul-Han) <http://env1.gist.ac.kr/~air>
- Climate Analysis and Modeling Laboratory (Prof. Yoon Jin-Ho) <http://sites.google.com/site/gistcamlab>
- Water Quality and Treatment Laboratory (Prof. Lee, Yunho) <http://env1.gist.ac.kr/~wqtl/>
- Electrochemical Reaction and Technology Laboratory (Prof. Lee, Jaeyoung)
<http://env1.gist.ac.kr/ertl/new/index.php>
- Energy and Biotechnology Laboratory (Prof. Chang, In Seop) <http://env1.gist.ac.kr/~eb1>
- Environmental Nanotechnology Laboratory (Prof. Choi, Heechul) <http://enl.gist.ac.kr>
- Environmental Geochemistry Laboratory (Prof. Han, Seunghee) <http://env1.gist.ac.kr/~tmblab>
- Applied & Environmental Microbiology Laboratory (Prof. Hur, Hor-Gil) <http://aeml.or.kr>

School of Life Sciences

- ✓ Laboratory of Molecular Neuroethology (Prof. Kim, Young-Joon)
<http://gistflylab.wixsite.com/gistlmn>
- Drug Discovery Laboratory (Prof. Kim, Yong-Chul) <https://life.gist.ac.kr/ddl/index1.php>
- Structural Biology Laboratory (Prof. Kim, Jae Il) <http://life.gist.ac.kr/nmr>
- Laboratory of Tumor Suppressor (Prof. Nam, Jeong-Seok) <http://lts.simpleintra.net>

Research at the Laboratory

- New Drug Targets Laboratory (Prof. Darren Williams) <http://life.gist.ac.kr/smrb>
- Cell Clearance Laboratory (Prof. Park, Daeho) <http://gistlifeccl.weebly.com>
- Cellular Immunology Laboratory (Prof. S.G. Park) <https://life.gist.ac.kr/tcell>
- Bio Remodeling and Gene Therapy (Prof. W.J. Park) <http://life.gist.ac.kr/bgt>
- Functional and Medicinal Proteomics Laboratory (Prof. Park, Zee Yong)
<https://life.gist.ac.kr/mass/index1.htm>
- Laboratory of Molecular Neurobiology (Prof. Park, Chu-Seung) <https://life.gist.ac.kr/mnl>
- Laboratory of Neural Development and Function (Prof. Song, Mi-Ryoung) <https://life.gist.ac.kr/ldn>
- Cell Dynamics and Imaging Laboratory (Prof. Song, Woo Keun) <https://life.gist.ac.kr/cell>
- Laboratory of RNA Genomics (Prof. Haihong Shen) <http://gistrna.wixsite.com/gistrna>
- Protein Structure-Function Laboratory (Prof. Eom, Soo Hyun) <http://life.gist.ac.kr/xray>
- ✓ Medicinal Biochemistry Laboratory (Prof. Y.J. Yoo) <http://life.gist.ac.kr/mbi>
- Single Molecule Biology Laboratory (Prof. Lee, Gwangrog) <https://life.gist.ac.kr/smbio>
- Cellular Logistics and Aging Research Laboratory (Prof. Jun, Youngsoo) <https://life.gist.ac.kr/cmb>
- Immune Synapse and Cell Therapy Research Laboratory (Prof. Jun, Chang-Duk)
<https://life.gist.ac.kr/isid>
- Reproductive Biomedicine Gene Discovery (Prof. Cho, Chunghee) <http://rbgdlifegist.com>
- Membrane Protein Structural and Functional Research Laboratory (Prof. Jin, Mi Sun)
<https://sites.google.com/site/mpsflab>
- ✓ Developmental Genetics Laboratory (Prof. Jin, Suk-Won) <https://life.gist.ac.kr/dv>
- ✓ Tumor Metabolism and Therapeutic Oncology Research Laboratory (Prof. Steve, Cho)

School of Physics and Chemistry

- Laboratory for Electron Spectroscopy for Surface/Interface Chemical Analysis (Prof. Mun, Bongjin Simon)
<https://sites.google.com/site/gistesca>
- Laboratory for Ultrafast Nonlinear Optics (Prof. Ko, Do-Kyeong) <http://ultrafast.gist.ac.kr>
- ✓ Center For Relativistic Laser Science (Chang Hee Nam Ph.D.) <http://corels.ibs.re.kr/html/corels.en>
- ✓ X-ray Laboratory for Nano Scale Phenomena (Prof. Noh, Do Young) <http://x-ray.gist.ac.kr>
- Mathematical Physics Research Laboratory (Prof. Song, G. Hugh) <http://turandot.gist.ac.kr>

Research at the Laboratory

- ✓ Laser-Plasma Acceleration Laboratory (Prof. Suk, Hyyong) <http://lpalab.wix.com/lpal>
 - Laboratory for Spectroscopy of Condensed matter Physics (Prof. Lee, Jongseok) <https://sites.google.com/site/optogist1>
 - High Energy Density Physics and Ultrafast X-ray Laboratory (Prof. Cho, Byoung-ick) <https://sites.google.com/site/hedpufx>
 - Computational Many Body Physics Group (Prof. Kim, Dong-Hee) <https://sites.google.com/site/comphysgist>
 - Attosecond Science Laboratory (Prof. Kim, Kyung Teac Kim) <https://sites.google.com/site/attoscilab>
- ✓ BioSensors and Bio-Photonics Laboratory (Prof. Kim, Min-Gon) <http://bsbp.gist.ac.kr>
 - Structure-Function Discovery Laboratory (Prof. Kim, Jungwook) <https://sites.google.com/site/jungwooklab>
- ✓ Structural Biochemistry Laboratory (Prof. Park, Chin-Ju) <https://sites.google.com/site/parklabgist/home>
- ✓ Femtosecond Spectroscopy Laboratory (Prof. Pang, Yoonsoo) <http://femto.gist.ac.kr>
 - Hybrid Catalysts Laboratory (Prof. J.Seo) <https://sites.google.com/view/inorggist>
 - Biomimetic Materials Laboratory (Prof. Seo, Jiwon) <https://sites.google.com/site/gistpeptoid>
- ✓ Medicinal Chemistry Laboratory (Prof. Ahn, Jin Hee) <https://sites.google.com/site/medichemgist1/home>
 - BioPhysical Chemistry Laboratory (Prof. Lee, Kang Taek) <http://bpc.gist.ac.kr>
- ✓ Photonic Quantum Chemistry Laboratory (Prof. Lee Hohjai) <http://chem.gist.ac.kr/hohjai/>
 - Organic Synthesis Laboratory (Prof. Won-jin Chung) <http://orgsyn.gist.ac.k>
 - BioOrganic Chemistry Laboratory (Prof. Min Su Han) <http://boc.gist.ac.kr>
 - Functional Organic Molecules Synthesis Laboratory (Prof. Hong, Sukwon) <https://sites.google.com/site/gistfos>
 - Environmental Omics Laboratory (Prof. Kim, Tae-Young) <https://sites.google.com/site/tykingroup>
 - Protein Structure-Function Laboratory (Prof. Eom, Soo Hyun) <https://life.gist.ac.kr/xray/index1.htm>

GLOBAL
INTERN
PROGRAM

Research at the Laboratory

Institute of Integrated Technology

- Department of Biomedical Science & Engineering
- School of Integrated Technology

- 3D Biomedical Image and Technology (Prof. Kwon, Kyuk-Sang) <http://3dbit.gist.ac.kr/>
- ✓ Biophotonics Laboratory (Prof. Kim, Jae Gwan) <http://biophotonics.gist.ac.kr/index.html>
- ✓ Laboratory of Translational Neuroscience (Prof. Kim, Tae)
<https://taekimmd.wixsite.com/tneurolab8gist>
- Neuro-Modulation Lab (Prof. Kim, Hyoung Ihl) <http://neuro.gist.ac.kr/>
- Laboratory of Genomic Medicine (Prof. Park, Hansoo)
- Bio-Medical Signal and System Analysis Laboratory (Prof. Lee, Boreom)
http://bmssa.gist.ac.kr/page_dXqU89
- ✓ Biomedical in Vivo Opto-Scopy (Prof. Chung, Euiheon) <http://bioscopy.gist.ac.kr/BioscopyWeb>
- Healthcare Robotics Laboratory (Prof. Kim, Moon Sang) <http://healthcarerobot.gist.ac.kr>
- Power System Economics & Management Science Lab (Prof. Kim, Jin Ho)
<https://psems.gist.ac.kr>
- ✓ Human-Centered Intelligent Systems Lab (Prof. Kim, Seung Jun)
<https://sites.google.com/view/gist-hcis-lab>
- Power System Operation and Control Lab (Prof. Kim, Yun Su)
- Energy Storage Material and Device Lab (Prof. Kim, Hyeong Jin) <https://esmdl.gist.ac.kr>
- Computer Graphics Laboratory (Prof. Moon, Bochang) <http://cglab.gist.ac.kr>
- Power Electronics Research Lab (Prof. Park, Yong Soon) <https://perl.gist.ac.kr>
- ✓ Energy Catalyst and Device Lab (Prof. Pak, Chan Ho) <http://ecdsl.gist.ac.kr>
- Intelligent Medical Robotics Lab (Prof. Yoon, Jung Won) <http://medrobotics.gist.ac.kr>
- Artificial Intelligence Lab (Prof. Lee, Kyoobin) <http://ai.gist.ac.kr>
- Mobile Power Electronics Lab (Prof. Rim, Chun Taek) <http://tesla.gist.ac.kr>

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How to Apply

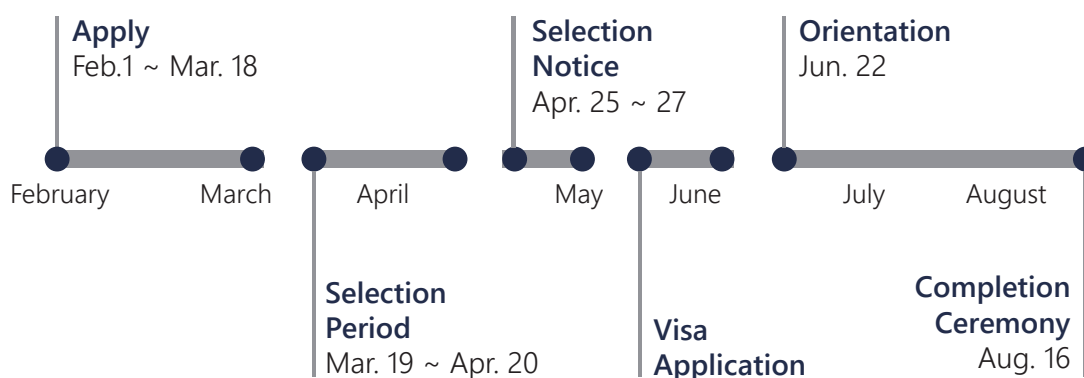
01/ Complete Online Application

- ✓ Go to <http://ipa.gist.ac.kr>
- ✓ Create an account with your email address
- ✓ Fill in online application form
- ✓ You are required to select two preferred laboratories and upload research plan to complete application

02/ Upload Required Documents

- ✓ Original(Official) Degree Certificates (Proof of Enrollment and/or Graduation Certificate)
- ✓ Original(Official) Transcripts; All in English
- ✓ Letter of Recommendation
- ✓ English Language Proficiency Test Result

2018 GIP Timeline



Contact

Section of International Cooperation

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Gwangju Institute of
Science and Technology

