2022 KAIX Global Internship Program

KAIST Advanced Institute for Science-X (KAIX) holds the KAIX Global Internship Program that provides support for undergraduate students who want to experience research activity in the participating laboratory at KAIST. Applicants interested in the field of natural science including physics, chemistry, mathematics, biological science, and medical science, are invited to participate the program. The internship program will provide financial support to visit KAIST for 2-4 weeks from abroad, which include roundtrip airfare, dormitory and other expenses to stay at KAIST. The application deadline is Oct 30. The application form and required documents must be submitted by email to kaix@kaist.ac.kr

- **Support**
  - Airfare, dormitory expense, stay expense is supported by KAIX
    - Up to $3,000 during 2~4 weeks of internship

- **Application submission**
  - Choosing the tentative start date for visiting KAIST to participate the program
    - Applicants and the hosting lab can freely determine the visiting period after the submitted application is accepted.
    - However it must be finished by Feb 28, 2023
  - **Send the Application form to** kaix@kaist.ac.kr along with a transcript, enrollment verification, and one letter of recommendation
※ After reviewing the application, the result will be notified (typically within 2 weeks)

○ Application period
  - Aug 1 ~ Oct 30, 2022 (It may close early)

○ Internship Program Schedule
  - Arrange KAIST at the tentative starting date
    ※ KAIX will reserve the roundtrip flight ticket and send the e-ticket to the student
  - Participate in the research activity in the hosting lab for 2~4 weeks
    ※ KAIX will reserve a dormitory room for staying at KAIST
  - Submit a report of internship activity to KAIX
  - Leave KAIST at the ending date

○ Inquiry
  - Jennifer Jinock Hwang / Staff of KAIX
  - h_jennifer@kaist.ac.kr
**KAIX Global Internship Application**

Fill in this application form and email to kaix@kaist.ac.kr along with a transcript, enrollment verification, one letter of recommendation (Aug 1 ~ Oct 30)

| Applicant | Name | First name:  
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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
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<td>Family name:</td>
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<td>Affiliation</td>
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<td>Desired Period</td>
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<td>DD/MM/2022 ~ DD/MM/20XX</td>
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<tr>
<td>(2~4 weeks)</td>
<td></td>
<td>*KAIX runs Global Internship Program Sep. 2022 ~ Feb 2023. You can choose any date with period of 2~4 weeks</td>
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<tr>
<td>3 Labs for Internship</td>
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<td>write a lab name please</td>
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<td>(Choose 3 labs at most from the lab list)</td>
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<td>write a lab name please</td>
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<td>write a lab name please</td>
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**Activity plan**

Please write an essay up to 1,200 words, including why you apply this internship, why you choose the labs you listed up, and what you plan to do with the lab(s) etc.
### [Appendix] Lab List for 2022 KAIX Global Internship

<table>
<thead>
<tr>
<th>no.</th>
<th>Hosting Lab name</th>
<th>Dept.</th>
<th>Lab Director</th>
<th>Email</th>
<th>Website</th>
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<tbody>
<tr>
<td>1</td>
<td>Chromatin Biology Laboratory</td>
<td>Biological Sciences</td>
<td>Daeyoup Lee</td>
<td><a href="mailto:daeyoup@kaist.ac.kr">daeyoup@kaist.ac.kr</a></td>
<td><a href="https://sites.google.com/site/kaistchromatin/">https://sites.google.com/site/kaistchromatin/</a></td>
</tr>
<tr>
<td>2</td>
<td>Lab of Stem Cell &amp; Tissue Regeneration</td>
<td>Biological Sciences</td>
<td>Hanseul Yang</td>
<td><a href="mailto:hyang@kaist.ac.kr">hyang@kaist.ac.kr</a></td>
<td><a href="https://hyang881.wixsite.com/yanglab">https://hyang881.wixsite.com/yanglab</a></td>
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<tr>
<td>3</td>
<td>Nanomedicine and diagnostics laboratory</td>
<td>Biological Sciences</td>
<td>Hyun Jung Chung</td>
<td><a href="mailto:hyunjc@kaist.ac.kr">hyunjc@kaist.ac.kr</a></td>
<td><a href="http://nanomedicine.kaist.ac.kr">http://nanomedicine.kaist.ac.kr</a></td>
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<tr>
<td>4</td>
<td>Epigenomics and computational biology lab (Epic Lab)</td>
<td>Biological Sciences</td>
<td>Inkyung Jung</td>
<td><a href="mailto:ijung@kaist.ac.kr">ijung@kaist.ac.kr</a></td>
<td><a href="https://sites.google.com/view/junglab-kaist/main">https://sites.google.com/view/junglab-kaist/main</a></td>
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<tr>
<td>5</td>
<td>Molecular Catalysis Laboratory (MCL)</td>
<td>Chemistry</td>
<td>Soon Hyeok Hong</td>
<td><a href="mailto:soonhyeok.hong@kaist.ac.kr">soonhyeok.hong@kaist.ac.kr</a></td>
<td><a href="https://url.kr/q28i71">https://url.kr/q28i71</a></td>
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<tr>
<td>6</td>
<td>Sustainable Catalysis Laboratory</td>
<td>Chemistry</td>
<td>Park Yoonsu</td>
<td><a href="mailto:yoonsu.park@kaist.ac.kr">yoonsu.park@kaist.ac.kr</a></td>
<td><a href="https://ypark-lab.com/">https://ypark-lab.com/</a></td>
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<tr>
<td>7</td>
<td>Natural Products Synthesis and Synthetic Methods Development Laboratory</td>
<td>Chemistry</td>
<td>Sunkyu Han</td>
<td><a href="mailto:sunkyu.han@kaist.ac.kr">sunkyu.han@kaist.ac.kr</a></td>
<td><a href="https://synthesis.kaist.ac.kr/">https://synthesis.kaist.ac.kr/</a></td>
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<tr>
<td>8</td>
<td>Molecular Biophysics Laboratory</td>
<td>Chemistry</td>
<td>Jin Young Kang</td>
<td><a href="mailto:jykang59@kaist.ac.kr">jykang59@kaist.ac.kr</a></td>
<td><a href="https://kanglab2019.wixsite.com/home">https://kanglab2019.wixsite.com/home</a></td>
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<td>Molecular Logic Gate Lab</td>
<td>Chemistry</td>
<td>David G. Churchill</td>
<td><a href="mailto:dchurchill@kaist.ac.kr">dchurchill@kaist.ac.kr</a></td>
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<td>10</td>
<td>Computational Photodynamics Research Lab</td>
<td>Chemistry</td>
<td>Young Min Rhee</td>
<td><a href="mailto:ymrhee@kaist.ac.kr">ymrhee@kaist.ac.kr</a></td>
<td><a href="http://singlet.kaist.ac.kr">http://singlet.kaist.ac.kr</a></td>
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<tr>
<td>11</td>
<td>In Vivo Micro-Visualization Laboratory (IVMVL)</td>
<td>Graduate School of Medical Science and Engineering</td>
<td>Pilhan Kim</td>
<td><a href="mailto:pilhan.kim@kaist.ac.kr">pilhan.kim@kaist.ac.kr</a></td>
<td><a href="http://ivmvl.kaist.ac.kr">http://ivmvl.kaist.ac.kr</a></td>
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<tr>
<td>12</td>
<td>Lab of Liver Research</td>
<td>Graduate School of Medical Science and Engineering</td>
<td>Won-II JEONG</td>
<td><a href="mailto:wijeong@kaist.ac.kr">wijeong@kaist.ac.kr</a></td>
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<td>Genome Therapeutics Lab</td>
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<td>Jinkuk Kim</td>
<td><a href="mailto:jinkuk@kaist.ac.kr">jinkuk@kaist.ac.kr</a></td>
<td><a href="https://jinkukkim.org">https://jinkukkim.org</a></td>
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<tr>
<td>14</td>
<td>Lab of Skin and Mucosal Immunology</td>
<td>Graduate School of Medical Science and Engineering</td>
<td>Ji Eun Oh</td>
<td><a href="mailto:jieun.oh@kaist.ac.kr">jieun.oh@kaist.ac.kr</a></td>
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<td>Biomedical Mathematics Lab</td>
<td>Mathematical Sciences</td>
<td>Jae Kyoung Kim</td>
<td><a href="mailto:jaekkim@kaist.ac.kr">jaekkim@kaist.ac.kr</a></td>
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<td>Statistical Learning and Applications</td>
<td>Mathematical Sciences</td>
<td>Cheolwoo Park</td>
<td><a href="mailto:parkcw2021@kaist.ac.kr">parkcw2021@kaist.ac.kr</a></td>
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<td>Scientific Machine Learning</td>
<td>Mathematical Sciences</td>
<td>Yeonjong Shin</td>
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<td>18</td>
<td>CHARM Laboratory(Complex Heterostructures &amp; Advanced Research on Multiferroics)</td>
<td>Physics</td>
<td>Chan-Ho Yang</td>
<td><a href="mailto:chyang@kaist.ac.kr">chyang@kaist.ac.kr</a></td>
<td><a href="https://oxide.kaist.ac.kr">https://oxide.kaist.ac.kr</a></td>
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<tr>
<td>19</td>
<td>Complex Systems and Statistical Physics Laboratory</td>
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<td>Hawoong Jeong</td>
<td><a href="mailto:hjeong@kaist.edu">hjeong@kaist.edu</a></td>
<td><a href="http://stat.kaist.ac.kr">http://stat.kaist.ac.kr</a></td>
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<td>20</td>
<td>Multi-Dimensional Atomic Imaging Lab (MDAIL)</td>
<td>Physics</td>
<td>Yongsoo Yang</td>
<td><a href="mailto:yongsso.yang@kaist.ac.kr">yongsso.yang@kaist.ac.kr</a></td>
<td><a href="http://mdail.kaist.ac.kr">http://mdail.kaist.ac.kr</a></td>
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<td>21</td>
<td>Quantum and Nanobio Photonics (QNP) Laboratory</td>
<td>Physics</td>
<td>Yong-Hoon Cho</td>
<td><a href="mailto:yhc@kaist.ac.kr">yhc@kaist.ac.kr</a></td>
<td><a href="http://qnp.kaist.ac.kr">http://qnp.kaist.ac.kr</a></td>
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<td>22</td>
<td>Quantum Spin Dynamics Laboratory</td>
<td>Physics</td>
<td>Se Kwon Kim</td>
<td><a href="mailto:sekwonkim@kaist.ac.kr">sekwonkim@kaist.ac.kr</a></td>
<td><a href="https://sites.google.com/site/sekwonkimphysics">https://sites.google.com/site/sekwonkimphysics</a></td>
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<td>23</td>
<td>Electronic structure Research Laboratory (ERlab)</td>
<td>Physics</td>
<td>Yeong Kwan Kim</td>
<td><a href="mailto:yeongkwan@kaist.ac.kr">yeongkwan@kaist.ac.kr</a></td>
<td><a href="http://erlab.kaist.ac.kr">http://erlab.kaist.ac.kr</a></td>
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<td>Particle Theory Group</td>
<td>Physics</td>
<td>Hye-Sung Lee</td>
<td><a href="mailto:hyesung.lee@kaist.ac.kr">hyesung.lee@kaist.ac.kr</a></td>
<td><a href="https://force.kaist.ac.kr">https://force.kaist.ac.kr</a></td>
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<td>25</td>
<td>Quantum optics and quantum information laboratory</td>
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<td>Young-Sik Ra</td>
<td><a href="mailto:ysra@kaist.ac.kr">ysra@kaist.ac.kr</a></td>
<td><a href="http://qoqi.kaist.ac.kr">http://qoqi.kaist.ac.kr</a></td>
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<td>Biomedical optics lab (BMOL)</td>
<td>Physics</td>
<td>YongKeun (Paul) Park</td>
<td><a href="mailto:Yk.park@kaist.ac.kr">Yk.park@kaist.ac.kr</a></td>
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<td>Yong-Hyun Kim</td>
<td><a href="mailto:yong.hyun.kim@kaist.ac.kr">yong.hyun.kim@kaist.ac.kr</a></td>
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<td><a href="http://photonics.kaist.ac.kr">http://photonics.kaist.ac.kr</a></td>
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<td>Theory of Ultrafast Quantum phenomena Lab</td>
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<td>Andrey Moskalenko</td>
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