ACADEMIA SINICA
Taiwan International Graduate Program

We offer an excellent opportunity for those wishing to do advanced research in a mature, highly regarded, international academic setting. We look forward to seeing you on campus.
Preface

To keep up with the pace of today’s fast evolving scientific and technological world and to promote the internationalization of higher education in Taiwan, Academia Sinica established the Taiwan International Graduate Program (TIGP) in 2002, in collaboration with a consortium of key national research universities. The interdisciplinary Ph.D. programs offered by TIGP are designed to provide advanced scientific training and research environments for those who wish to do advanced research, to think critically and to experience a mature international academic setting. Since its inception, under the stewardship of the successive directors, TIGP has grown in the number of interdisciplinary programs and expanded in the global distribution of students – currently, there are about 600 students from around 48 countries studying at TIGP.

Why TIGP?

- TIGP is under the supervision of Academia Sinica, a government-funded foremost research institution with a proud tradition and international recognition.
- TIGP, in cooperation with top research universities in Taiwan, offers highly specialized, interdisciplinary Ph.D. programs at the cutting edge of science and technology.
- TIGP offers all-English teaching and research environment with world-class faculty and state-of-the-art facilities.
- TIGP offers graduate fellowships (NT$34,000/month) to each admitted student for up to 3 years, base on satisfactory academic and research performance.
**Ph.D. programs**

The interdisciplinary Ph.D. programs offered:

<table>
<thead>
<tr>
<th>Program</th>
<th>Institute/University</th>
<th>Website</th>
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<tbody>
<tr>
<td>2. Molecular Science and Technology</td>
<td>Institute of Chemistry, Institute of Molecular Biology</td>
<td><a href="http://tigp.iams.sinica.edu.tw/">http://tigp.iams.sinica.edu.tw/</a></td>
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<tr>
<td>3. Molecular and Biological Agricultural Sciences</td>
<td>Institute of Molecular Biology, Institute of Biomedical Sciences, Institute of Plant</td>
<td><a href="http://abrc.sinica.edu.tw/mbas/">http://abrc.sinica.edu.tw/mbas/</a></td>
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<tr>
<td></td>
<td>and Microbial Biology, Institute of Physics</td>
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<td></td>
<td>Biology, Institute of Biomedical Sciences, Institute of Plant and Microbial Biology,</td>
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<td></td>
<td>Institute of Physics, Research Center for Applied Sciences</td>
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<tr>
<td>5. Bioinformatics</td>
<td>Institute of Biological Chemistry, Institute of Chemistry</td>
<td><a href="http://tigpbp.iis.sinica.edu.tw/">http://tigpbp.iis.sinica.edu.tw/</a></td>
</tr>
<tr>
<td>7. Molecular Medicine</td>
<td>Institute of Biomedical Sciences</td>
<td><a href="http://www.ibms.sinica.edu.tw/mmp/">http://www.ibms.sinica.edu.tw/mmp/</a></td>
</tr>
<tr>
<td>10. Interdisciplinary Neuroscience</td>
<td>Institute of Biomedical Sciences</td>
<td><a href="http://npas.programs.sinica.edu.tw/ins/">http://npas.programs.sinica.edu.tw/ins/</a></td>
</tr>
<tr>
<td>11. Sustainable Chemical Science and Technology</td>
<td>Institute of Biomedical Sciences</td>
<td><a href="http://tigp-scst.chem.sinica.edu.tw">http://tigp-scst.chem.sinica.edu.tw</a></td>
</tr>
<tr>
<td>12. Social Networks and Human-Centered Computing</td>
<td>Institute of Biomedical Sciences</td>
<td><a href="http://tigpsnhcc.iis.sinica.edu.tw">http://tigpsnhcc.iis.sinica.edu.tw</a></td>
</tr>
</tbody>
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**Our Partner Institutions**

To ensure the best teaching support and intellectual environment, TIGP provides world-class faculty and state-of-the-art facilities by working closely with prestigious local universities (listed below) and prominent researchers with respective expertise.

**Programs**

<table>
<thead>
<tr>
<th>Chemical Biology and Molecular Biophysics in Drug Discovery and Biotechnology</th>
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<tbody>
<tr>
<td>1. Institute of Biological Chemistry</td>
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<td>2. Institute of Chemistry</td>
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<td>3. Genomics Research Center</td>
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<td>4. Institute of Molecular Biology</td>
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<tr>
<td>5. Institute of Biomedical Sciences</td>
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<tr>
<td>6. Institute of Plant and Microbial Biology</td>
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<tr>
<td>7. Institute of Physics</td>
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<td>8. Research Center for Applied Sciences</td>
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<tr>
<th>Molecular Science and Technology</th>
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<tbody>
<tr>
<td>1. Institute of Atomic and Molecular Sciences</td>
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<td>2. Institute of Chemistry</td>
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<tr>
<th>National Taiwan University</th>
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<tbody>
<tr>
<td>1. Institute of Biochemical Sciences</td>
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<tr>
<td>2. Department of Chemistry</td>
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<td>3. Department and Graduate Institute of Pharmacology</td>
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<th>National Tsing Hua University</th>
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<tr>
<td>1. College of Life Sciences</td>
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<td>2. Department of Chemistry</td>
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<th>National Tsing Hua University</th>
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<tr>
<td>Department of Chemistry</td>
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<th>National Central University</th>
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<td>Department of Physics</td>
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<th>National Taiwan University</th>
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<tr>
<td>Molecular Science and Technology Program</td>
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<tr>
<td>Programs</td>
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</tbody>
</table>
| **Nano Science and Technology**   | 1. Agricultural Biotechnology Research Center  
2. Institute of Plant and Microbial Biology  
3. Institute of Molecular Biology  
4. Institute of Cellular and Organismic Biology  
5. Biodiversity Research Center  
6. Genomics Research Center  
7. Institute of Biological Chemistry | **National Chung Hsing University**  
http://www.nchu.edu.tw  
1. Graduate Institute of Biotechnology  
2. Biotechnology Center |
| **Molecular and Biological**       | **Agricultural** Sciences **and** **Biological** **Sciences**  
1. Institute of Molecular Biology  
2. Institute of Information Science  
3. Institute of Biomedical Sciences  
4. Institute of Statistical Science  
5. Biodiversity Research Center  
6. Genomics Research Center  
7. Institute of Chemistry  
8. Institute of Plant and Microbial Biology  
9. Research Center for Applied Sciences  
10. Research Center for information Technology  
**National Defense Medical Center**  
http://www.ndmctsgh.edu.tw  
Graduate Institute of Life Sciences | **National Yang-Ming University**  
http://web.ym.edu.tw/bin/home.php  
Institute of Biomedical Informatics  
**National Tsing Hua University**  
http://www.nthu.edu.tw  
Institute of Bioinformatics and Structural Biology  
**National Chiao Tung University**  
http://www.nctu.edu.tw/  
Institute of Bioinformatics and Systems Biology  
**National Taiwan University**  
http://www.ntu.edu.tw  
Graduate Institute of Biomedical Electronics and Bioinformatics |
| **Molecular and Cell Biology**     | 1. Institute of Molecular Biology  
2. Institute of Information Science  
3. Institute of Biomedical Sciences  
4. Institute of Statistical Science  
5. Biodiversity Research Center  
6. Genomics Research Center  
7. Institute of Chemistry  
8. Institute of Plant and Microbial Biology  
9. Research Center for Applied Sciences  
**National Yang-Ming University**  
http://web.ym.edu.tw/bin/home.php  
Institute of Biomedical Informatics  
**National Tsing Hua University**  
http://www.nthu.edu.tw  
Institute of Bioinformatics and Structural Biology  
**National Chiao Tung University**  
http://www.nctu.edu.tw/  
Institute of Bioinformatics and Systems Biology  
**National Taiwan University**  
http://www.ntu.edu.tw  
Graduate Institute of Biomedical Electronics and Bioinformatics |
| **Bioinformatics**                | **Institute of Molecular Biology**  
1. Institute of Physics  
2. Institute of Chemistry  
3. Institute of Atomic and Molecular Sciences  
4. Research Center for Applied Sciences  
**National Taiwan University**  
http://www.ntu.edu.tw  
1. Department of Chemistry  
2. Department of Physics  
**National Tsing Hua University**  
http://www.nthu.edu.tw  
Department of Engineering and System Science |
| **Nano Science and Technology**   | 1. Institute of Physics  
2. Institute of Chemistry  
3. Institute of Atomic and Molecular Sciences  
4. Research Center for Applied Sciences  
**National Taiwan University**  
http://www.ntu.edu.tw  
1. Department of Chemistry  
2. Department of Physics  
**National Tsing Hua University**  
http://www.nthu.edu.tw  
Department of Engineering and System Science |
| **Molecular Medicine**            | **Institute of Biomedical Sciences**  
1. Institute of Physics  
2. Institute of Chemistry  
3. Institute of Atomic and Molecular Sciences  
4. Research Center for Applied Sciences  
**National Yang-Ming University**  
http://web.ym.edu.tw/bin/home.php  
Program in Molecular Medicine |
| **Earth System Science**          | 1. Research Center for Environmental Changes  
2. Institute of Earth Sciences  
**National Central University**  
http://www.ncu.edu.tw  
College of Earth Sciences |
| **Biodiversity**                  | **Biodiversity Research Center**  
**National Taiwan Normal University**  
Department of Life Science |
| **Interdisciplinary Neuroscience** | **Neuroscience Program of Academia Sinica (NPAS)**  
**National Yang-Ming University**  
http://web.ym.edu.tw/bin/home.php  
School of Life Sciences  
**National Cheng Kung University**  
http://www.ncku.edu.tw/  
Institute of Clinical Medicine  
**National Taiwan University**  
http://www.ntu.edu.tw  
Department of Life Science |
| **Sustainable Chemical Science**  | **and Technology**  
1. Institute of Chemistry  
**National Chiao Tung University**  
http://www.nctu.edu.tw/  
Taiwan International Graduate Program of Sustainable Chemical Science and Technology |
| **Social Networks**               | **Human-Centered Computing**  
1. Institute of Information Science  
**National Tsing Hua University**  
http://www.nthu.edu.tw  
Institute of Information System and Applications  
**National ChengChi University**  
http://www.nccu.edu.tw/  
College of Science |
Requirements and Admission Criteria

1. Bachelor’s Degree and/or Master’s Degree (Some programs only accept applicants with Master’s degree, please check each program’s admission requirements).
2. English Proficiency Test Score: TOEFL, IELTS or GEPT
3. GRE Score (optional)
4. Transcripts (Please provide an explanation for any non-standard grading system)
5. Three Letters of Recommendation
6. Statement of Purpose

English Proficiency

Applicants whose first or native language is not English are required to take a test of English proficiency as part of the application procedure. One of the following language test scores must be provided for application and the minimum requirements are summarized as follows:

<table>
<thead>
<tr>
<th>Test</th>
<th>Minimum Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet-based TOEFL (TOEFL-iBT)</td>
<td>79</td>
<td>High-intermediate level</td>
</tr>
<tr>
<td>Paper-based TOEFL</td>
<td>550</td>
<td></td>
</tr>
<tr>
<td>IELTS</td>
<td>5.5*</td>
<td>High-intermediate level</td>
</tr>
<tr>
<td>GEPT</td>
<td></td>
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</tbody>
</table>

* The minimum IELTS requirement for Bioinformatics Program is 6.0.

Exemption from the English proficiency requirement

The test of English proficiency can be exempted for applicants graduated from universities where English is the primary language of instruction, if the applicant provides an official certification issued by the university’s registrar office. The eligibility of exemption is subject to each program.

Student Status and Degree/Certificate Conferral Policy

Based on the regulations of the Ministry of Education, students will officially register with our partner universities. Upon completion of the program, each student will receive a Ph.D. degree from the partner university and a TIGP Certificate signed by the President of Academia Sinica and the Director of TIGP.

Application

1. TIGP offers admissions for the fall semester only.
2. The official application deadline is March 31, every year.
3. The application may be submitted through the on-line application system (recommended) (http://tigp.apps.sinica.edu.tw/index.php) or by post to TIGP Office of Admission: No. 128, Section 2, Academia Road, Taipei 11529, Taiwan, Academia Sinica.
4. Please submit all required application materials before March 31:
   - Application Form
   - Academic Records (Transcripts) and Degree Certificates (Diplomas)
   - Statement of Purpose and Research Plan
   - Letters of Recommendation
   - English Proficiency Certificates (TOEFL, IELTS, GEPT, etc.)
   - The Graduate Record Examination (GRE) (if required by the relevant program applied)
   - Additional Information (research and/or working experiences, published papers, etc.)
**Stipend and Living**

- TIGP provides fellowship support of NT$34,000 (about US$1060) per month for all graduate students during the first year of their enrollment. The support will be extended for another two years upon evidence of satisfactory progress towards the degree. In subsequent years, the financial support will be provided by the student’s thesis advisor. The amount of the support will be at the discretion of the advisor.

- Living and housing costs: On-campus self-catering student dormitory costs NT$5,500/month per single room. Off-campus private housing is generally more expensive, with monthly rents ranging from NT$5,000-15,000 for single rooms, NT$12,000-20000 for apartments with 2-3 rooms. Meals are available at modest costs at various eateries on and around the campus of Academia Sinica.

**Contact Us**

For general enquiries of TIGP and application, please contact TIGP Office:
Ms. Huan-Yi Shen  
TEL: 886-2-2789-8050  
E-mail: tigp@gate.sinica.edu.tw

For enquiries concerning a specific Ph.D. program, please contact the program coordinator/assistant:

**Chemical Biology and Molecular Biophysics**  
Coordinator: Dr. Chun-Hung Lin  
Tel: 886-2-2785-5696 ext. 1164  
E-mail: cbmbtigp@gate.sinica.edu.tw

**Molecular Science and Technology**  
Coordinator: Dr. Jer-Lai Kuo  
Tel: 886-2-2362-4928  
E-mail: tigpmst@gate.sinica.edu.tw

**Molecular and Biological Agricultural Sciences**  
Coordinator: Dr. Kuo-Chen Yeh  
Tel: 886-2-2652-2928  
E-mail: mbastigp@gate.sinica.edu.tw

**Bioinformatics**  
Coordinator: Dr. Wen-Lian Hsu  
Tel: 886-2-2788-3799 ext. 2356  
E-mail: tigp.bio@gmail.com

**Molecular and Cell Biology**  
Coordinator: Dr. Wen Chang  
Tel: 886-2-2789-9972  
Tel: 886-2-2789-9980  
E-mail: tigpmcb@imb.sinica.edu.tw

**Nano Science and Technology**  
Coordinator: Dr. Chia-Seng Chang  
Tel: 886-2-2789-8794  
E-mail: tigpnano@phys.sinica.edu.tw

**Molecular Medicine**  
Coordinator: Dr. Sheau-Yann Shieh  
Tel: 886-2-2789-9114  
E-mail: tigpmmp@ibms.sinica.edu.tw

**Earth System Science**  
Coordinator: Dr. Bor-Shouh Huang  
Tel: 886-2-2653-9885 ext. 851  
E-mail: tigpess@gate.sinica.edu.tw

**Biodiversity**  
Coordinator: Dr. Sheng-Feng Shen  
Tel: 886-2-2787-2234  
E-mail: tigpbiodiv@gate.sinica.edu.tw

**Interdisciplinary Neuroscience**  
Coordinator: Dr. Cheng-Ting Chien  
Tel: 886-2-2787-3282  
E-mail: tigpins@gate.sinica.edu.tw

**Sustainable Chemical Science and Technology**  
Coordinator: Dr. Chin-Ti Chen  
Tel: 886-2-2789-8510  
E-mail: iocsa@gate.sinica.edu.tw

**Social Networks and Human-Centered Computing**  
Coordinator: Dr. Mark Liao  
Tel: 886-2-2788-3799 ext. 2303  
E-mail: tigp.snhcc@gmail.com