Taiwan International Graduate Program (TIGP) is jointly organized by the Academia Sinica in association with Taiwan’s key national research universities. The program provides an all-English advanced-education environment for young academic talent from Taiwan and abroad. TIGP has grown in the number of interdisciplinary programs and expanded in the global distribution of students – currently, there are about 537 students from around 44 countries studying this programme TIGP.

**Why choose 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 to each admitted student for up to 3 years.

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The interdisciplinary Ph.D. programs offered:

1. Chemical Biology and Molecular Biophysics
2. Molecular Science and Technology
3. Molecular and Biological Agricultural Sciences
4. Molecular and Cell Biology
5. Bioinformatics
6. Nano Science and Technology
7. Molecular Medicine
8. Earth System Science
9. Biodiversity
10. Interdisciplinary Neuroscience
11. Sustainable Chemical Science and Technology
12. Social Networks and Human-Centered Computing

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  *Deputy Dean (Research), Faculty of Medicine, UM*
- Prof. Dr. Ibrahim Mohamed  
  *Deputy Dean (Research), Faculty of Science, UM*

**Chairperson**
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  *Dept. of Pharmacy, Faculty of Medicine, UM*

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- Assoc. Prof. Dr. Ivy Chung (Pharmacology, UM)
- Assoc. Prof. Dr. Najihah Binti Mohd Hashim (Pharmacy, UM)
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- Assoc. Prof. Dr. Chan Yoke Fun (Medical Microbiology, UM)
- Dr. Leong Kok Hoong (Pharmacy, UM)
- Dr. Thamil Selvi Velayutham (Physics, UM)
- Dr. Goh Boon Tong (Physics, UM)
- Dr. Nurshamimi Bte Nor Rashid (Molecular Medicine, UM)
- Dr. Khanom Binti Simarani (Biological Sciences, UM)
- Dr. Rosazlin Binti Abdullah (Biological Sciences, UM)
- Dr. Tee Kok Keng (Medical Microbiology, UM)
- Dr. Liew Chee Sun (Computer System & Technology, UM)
- Dr. Abeer Abdulhadi (Pharmacy, UM)
- Mr. Adib Afandi Abdullah (Pharmacy, UM)

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- University of Malaya – Academia Sinica
- Deputy Vice-Chancellor (Research & Innovation) Office
<table>
<thead>
<tr>
<th>TIME</th>
<th>VENUE:</th>
<th>SEMINAR ROOM</th>
<th>AUDITORIUM</th>
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<tbody>
<tr>
<td>9.45 - 10.15 am</td>
<td>REGISTRATION OF PARTICIPANTS</td>
<td><strong>Physical / Chemical / Computational / Environmental / Social Sciences</strong></td>
<td><strong>Biological and Life Sciences</strong></td>
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<td>10.20 - 10.40 am</td>
<td></td>
<td>Prof. Dr. Rauzah Hashim (Chemistry &amp; High Impact Research Unit, UM)</td>
<td>Dr. YiJuang Chern (Biomedical, AS) Adenosine augmentation evoked by an ENT1 inhibitor improves memory impairment and neuronal plasticity in a mouse model (APP/PS1) of Alzheimer’s disease</td>
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| 10.40 - 11.00 am |                        | Dr. Chi-Kung Kenny Ni (Atomic & Molecular Science, AS)  
**De Novo Structural Determination of Oligosaccharides From Quantum Chemistry Calculations to Practical Applications** | Dr. Yi-Shuang Huang (Biomedical, AS) CPEB2 Activates GRASP1 mRNA Translation and Promotes AMPA Receptor Surface Expression, Long-term Potentiation and Memory |
| 11.00 - 11.20 am |                        | Dr. Khor Sook Mei (Chemistry, UM)  
**Colloidal Gold-Based Lateral Flow Immunosensor for Quantitative Measurement of HbA1c in Whole Blood** | Dr. Azlina Ahmad Annuar (Biomedical Science, UM) Whole exome sequencing of a Malaysian family with CMT reveals a novel candidate gene for autosomal recessive CMT |
| 11.20 - 11.40 am |                        | Dr. Chin-Ti Chen (Chemistry, AS)  
**Organic Photovoltaics and Organic-Inorganic Hybrid Solar Cells and Materials** | Dr. Pei-Wen Hsiao (Agriculture Biotechnology, AS) Two Adjuvant Combined modalities Of a Standardized we delia Chinensis Extract Withclinical Therapeutics Foradvanced Prostate Cancertreatment |
| 11.40 – 12.00 pm |                        | Dr. Tiow-Gan Ong (Chemistry, AS)  
**Carbone and Catalysis** | Assoc. Prof. Dr. Puteri Shafinaz Akmar Abdul Rahman (Molecular Medicine, UM) Tualang honey: Anticancer and proteomics evaluation of the effects of treatment on lung adenocarcinoma cell lines H23 and A549 |
| 12.00 – 12.45 pm |                        | **Introduction to Taiwan International Graduate Program (TIGP) and Summer International Internship** (20 min) | "Experience sharing from Mr. William Chong" - 5 min  
"Experience sharing from Mr. Adib Afandi (TIGP-IIP)" – 5 min  
Q & A – 15 min |
| 12.45 – 2.00 pm |                        | **LUNCH BREAK** | **LUNCH BREAK** |
| 2.00 – 2.20 pm |                        | Assoc. Prof. Dr. Faridah Noor Mohd Noor (Language & Linguistics, UM)  
**CHK2-Mediated Regulation of PARP1 in Oxidative DNA Damage Response** | Dr. Sheau-Yann Shieh (Biomedical Sciences, AS) Oligomerization of protein arginine methyltransferase 8 and a novel regulatory site for substrate specificity |
| 2.20 – 2.40 pm |                        | Dr. Ryuji Machida (Biodiversity, AS)  
**Spatial distribution of zooplankton mitochondrial genetic diversity: Nutrient as a potential cause of mitochondrial selective sweep** | Dr. Meng-Chiao Ho (Biological Chemistry, AS) |
| 2.40 – 3.00 pm |                        | Assoc. Prof. Tung-Yuan Ho (Environmental Changes, AS)  
**Trace metal requirement and interaction in Symbiodinium kawagutii** | Dr. Tan Ai Huey (Medicine, UM)  
Dr. Lee Soo Ching (Research Cluster, DVC R&I Office, UM)  
Ms Chua Ling Ling (Medicine, UM)  
**Interrogating the human gut microbiota – a new clinical frontier** |
| 3.00 – 3.20 pm |                        | Assoc. Prof. Dr. Lee Choon Weng (Biological Science, UM)  
**Investigating the dynamics of Chlorophyll a at Port Klang and Port Dickson** | Dr. Wen Chang (Molecular Biology, AS) Differential Innate Immunesignaling In Macrophages By wild Type Vaccinia Mature Virus and A Mutant Virus deleting A26 Protein |
| 3.20 – 3.40 pm |                        | Dr Richard Ritikos (Physics, UM)  
**Hot-wire assisted plasma enhanced chemical vapour deposition of large graphene.** | Assoc. Prof. Dr. Chan Kok Gan (Biological Science, UM)  
**Application of the Next Generation Sequencing and the Third Generation Sequencing in the Studies of Microbial & Human Genomes, Metagenomes and Microbiomes** |
| 3.40 – 4.00 pm |                        | Dr. Jung-Hsin Lin (Biomedical Sciences, AS)  
**Harnessing Structures and Dynamics of Biomolecules for Polypharmacology-Guided Computational Drug Design** | |
| 4.00 – 4.20 pm |                        | Dr. Chee Sun Liew (Computer System & Technology, UM)  
**Scientific knowledge discovery using high performance and data-intensive computing** | |
| 4.20 – 4.40 pm |                        | Dr. De-Nian Yang (Information Science, AS)  
**Influence Diffusion and Optimizationin Online Social Networks** | |
| 4.40 – 5.30 pm |                        | **TEA BREAK** | **TEA BREAK** |