



College of Life Sciences

National Chung Hsing University

- **Department of Life Sciences**
(BS, MS and PhD Programs)
- **Institute of Molecular Biology**
(MS and PhD Programs)
- **Institute of Biochemistry**
(MS and PhD Programs)
- **Institute of Biomedical Sciences**
(MS and PhD Programs)
- **Institute of Genomics and Bioinformatics**
(MS Program)
- **Executive Master Program in Life Sciences**

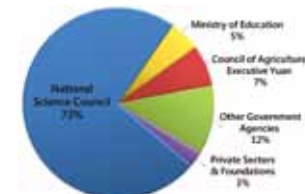
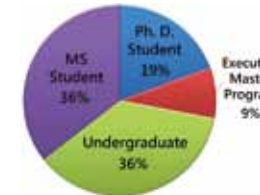
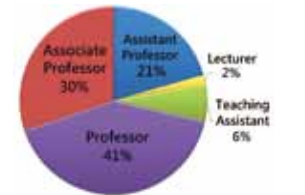
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Education Goal

To cultivate students with professionals in life sciences, global vision, leadership, ability to solve problems, interdisciplinary integration, and innovative ideas.

Faculty and Students

The College of Life Sciences has a total of 63 faculty members composed of 26 professors, 19 associate professors, 13 assistant professors, 1 lecturer, and 4 full-time teaching assistants. In addition, we also recruit several adjunct professors from Academia Sinica, National Health Research Institute, China Medical University, National Museum of Natural Science, and Taichung Veterans General Hospital to promote academic collaboration and teaching. There are a total of nearly 1000 students including 30 international students.



Research Grants

Research grants awarded to the College of Life Sciences total in approximately US\$4 million annually. Most of them are from the National Science Council in Taiwan.

Research Accomplishment

The faculty and students in the College of Life Sciences publishes over 230 research articles in SCI journals annually. The average number of publication per faculty member is 3.8/year. In the past five years, total approximately 200 research articles from the college were published in journals with an impact factor more than 5 or in those ranked top 10% in the subject category.



Research Areas

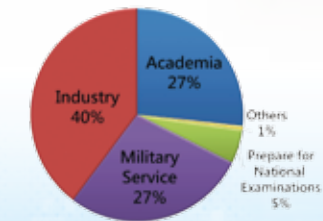
Our research areas include ecology, zoology, botany, microbiology, medical sciences, and those involving inter-disciplines.

Research Highlights

- **Department of Life Sciences**
 - Biodiversity
 - Animal/plant physiology
 - Biotechnology
- **Institute of Molecular Biology**
 - Gene function and regulation mechanism
 - Enzymatic catalysis and gene expression platforms
 - Biomedical applications of chemical and structural biology
- **Institute of Biochemistry**
 - Structural biology
 - Transcriptional and translational regulation of genes
 - Interactions between pathogens and plants
- **Institute of Biomedical Sciences**
 - Cancer research
 - Molecular genetics
 - DNA vaccines
- **Institute of Genomics and Bioinformatics**
 - Systems biology
 - Structure bioinformatics and protein engineering
 - Molecular modeling and drug design

Future Path

Students graduated from the College of Life Sciences either have a career in industry or academia. All institutes and department in the college provide career-counseling service and regularly call for alumnus reunion to give students updated information regarding job availabilities.



Some Major Instruments

Instruments	Location
FACS Sorter	2F of Proteomic Center
High Resolution Quadruple/Time-of-Flight MS	2F of Proteomic Center
Isothermal Titration Calorimeters	2F of Proteomic Center
Ultra-centrifuge	Room 407 of Life Science Building
Total Internal Reflection Fluorescence Microscope	Room 705 of Life Science Building
Real Time PCR System	Room 1113 of Life Science Building
Multi-functional Analyzer	Room 1113 of Life Science Building
Flow Cytometer	Room 1125 of Life Science Building

Space & Location

The teaching and research activities in the College of Life Sciences are held mainly in the Life Science Building. Other available spaces are distributed in the Proteomic Center, Green Houses, the old building for Science and Engineering, the Genetic Center, the 6th and 7th floors of the Biotechnology Center, and the Department of Teaching and Research in the Taichung Veterans General Hospital. Part of the Applied Technology Building (under construction) will be available for the College of Life Sciences.

