

Tunghai Biotech Products Entering National Competition



Tunghai University Team members and Professors with the judges

The 2016 Ministry of Education Biomedical Innovation and Incubation Program executed by Tunghai University held its final presentation contest on November 26. Judges from the biomedical industry evaluated and selected three teams with the most market potentials and prospects as representatives of Tunghai to compete in the national competition. The three teams and their products are: Hermed with C-DAS (colorectal cancer drug), Racclean with Babetide (antibacterial peptides), and Modify with microplates for high throughput screening.

Professor Wei-Ting Chao of the Department of Life Science led the Hermed team to develop a new double-target antibody drug for colorectal cancer, collaborating with Development Center for Biotechnology (DCB). Besides treating transferrable colorectal cancer, it could also be integrated with personalized diagnosis medication in the future.

Professor Feng-Di Lung of the Department of Chemistry and Professor Yesong Gu of the Department of Chemicals and Materials Engineering co-lead two teams. Through multi-disciplinary integration on campus, the Racclean team developed an anti-bacterial product for babies, providing a safer and cleaner environment. In the future, the team would also devote much effort on the research and development for antimicrobial peptides.

On the other hand, the Modify team developed the covalent-bound modified microplates that would improve the traditional way peptides or proteins attach to the microplates, shortening the time for testing and demonstrating better reproducibility and flexibility. In the future, this technology would be used for oral cancer screening.

This year marks the third year Tunghai University executes the Biomedical Innovation and Incubation Program funded by the Ministry of Education. The program has been supervised by Professor Gu and co-supervised by Professor Lung. In three years, the program has cultivated many biotechnology talents and won many prizes. This year, each team's R&D capability is even more mature. The selected teams all have high-end biotechnology products with prototypes, showing that Tunghai's medical and biotechnological strengths have already reached industrial development standards.

According to Professor Chao, the teams have gained advantages in multidisciplinary collaboration. Thanks to the professional consultancy from the Department of Chemistry, Department of Business Administration, and Innovation Incubation Center, each team's professional skills, business models, and financial plans are closer to maturity. He is optimistic that Tunghai team will be winning again in the national competition.

THU has outstanding performance for combining the lab research with the biomedical industry in Taiwan



Tunghai University allies with National Museum of Natural Science



Tunghai University as outstanding contributor to a low carbon city

On November 21, the Taichung Low Carbon City Promotion Office announced winners of the 2016 Taichung Low Carbon City Outstanding Contributor Award. Mayor Chia-Lung Lin granted awards to Tunghai University, China Medical University Hospital, and other eight winners. The award was to encourage the general public to put more efforts into eliminating carbon usage and emission in order to improve the city's living environment.

According to Tunghai President Mao-Jiun Wang, 80% of the Tunghai campus is covered by greens and trees. It not only beautified the campus and enriched the ecosystem, but also cultivated a strong sense of humanities and enlightened attention to environmental sustainability. Tunghai maintains the tradition of planting trees every year in order for the campus to serve as the green lung of the city. On campus, there are also various carbon reduction devices that monitor energy consumption in all areas. The promotion of campus electric buses is one example of our carbon reduction efforts. Tunghai has been doing its best to reduce carbon usage and emission, while aiming to drive its over 20,000 faculty members and students to a deeper understanding and practice of environmental protection.



National Museum of Natural Science and Tunghai University signs collaboration agreement

To establish sustainable and stronger cooperation, the National Museum of Natural Science's Director-General Wei-Hsin Sun and Tunghai President Mao-Jiun Wang signed a collaboration agreement on December 6. The purpose of the agreement is to jointly promote general science and to root science in the education industry.

The academic collaboration between Tunghai and the Museum started with the teaching faculty program in 1998. Over the years, dozens of researchers of the Museum have come to teach in Tunghai. The course topics cover life science, earth science, anthropology, humanities, and arts, encompassing great diversity beloved by students. In 2016, the Head of Science Education Department of the Museum, Dr. De-Hsiang Liu, offered an online course "Story of Mankind" at Tunghai. Through the new media of internet, the course has opened a new chapter of cooperation between the National Museum and Tunghai University.

According to Director-General Wei-Hsin Sun, collaboration with educational institutions has always been an intended direction for the development of the National Museum. In the past, the Museum is already working closely with Tunghai University in the area of life science. By signing this official agreement, the two parties intend to add new collaborative projects and raise the quality of previous projects to generate more impacts in teaching and sharing.

President Mao-Jiun Wang of Tunghai University congratulated the Museum for being a successful part of Taiwan's science education in the past 30 years. Due to location advantages, Tunghai University has been able to leverage the Museum as a resource in providing fundamental and general science courses on campus. He hopes the two parties would fully collaborate in science, humanities, social studies, arts, and creative design so that the newly-signed agreement will witness a start of a future of comprehensive cooperation.



Taichung City Mayor Chia Lung Lin granted the award to President Mao-Jiun Wang

Tunghai Welcomes Young Visitors from Malaysia



Kluang Chong Hwa High School Teachers and Students visited Tunghai University



THU Malaysian Student Association Leader - Quan Zhen Low and Malaysian students shared their study experiences in Tunghai

A group of 44 visitors from the Kluang Chong Hwa High School (KCHHS) Malaysia, visited Tunghai University on December 12th. The delegation was led by Chairman of the Federation of Alumni Association of Taiwan Universities, Malaysia Mr. Chan Heng Hoo and the KCHHS Principal Mr. Liaw Wei Keong. The visitors were warmly welcomed by Academic Director Mr. C.P. Lee of Tunghai Affiliate High School, Vice Dean of Academic Affairs Prof. Ying-Chi Chou, Dean of Social Sciences Prof. Cheng Liu, Director of Physical Education S.J. Huang, Dean of International Education and Programs Prof. H.W. Yen and student representatives from Malaysia who are studying at Tunghai University.

Three competition games in basketball, badminton and table tennis were arranged between students from KCHHS and from Tunghai Affiliated High School as well as Tunghai University. The games were designed to serve as practice sessions for the KCHHS students to prepare for the ball games to be held among independent high schools in Malaysia next year. Besides the exciting competitions, Principal Liaw was invited to give a talk at the College of Social Science to introduce the education system and status of independent high schools in Malaysia. Malaysian students at Tunghai shared their experience in Taiwan with the visiting high school students and presented on their departments, teaching environment, faculty resources and extracurricular activities at Tunghai.

Being an alumnus of Tunghai Department of Social Science, Principal Liaw shared his observations of the differences between the education systems in Taiwan and Malaysia while encouraging his students to take the opportunity to ask questions and take advice for their plan for advanced education. The one-day visit concluded as a fruitful day for the visitors and an inspiring experience for the hosts.



Kluang Chong Hwa High School table tennis team matched with THU students

Kluang Chong Hwa High School basketball team matched with THU affiliated experimental high school team



The 2016 Industrial Mentorship Program Launched



The Industrial Mentorship Program was launched to support THU student to enter the career path

On November 12, 2016, Tunghai University Department of Chemical and Materials Engineering held an honor ceremony for industry mentors. The official ceremony marked the start for students to learn from industry mentors, providing a smoother path for students in entering their future careers.

The 2016 Industrial Mentorship Program continued the traditions of inviting outstanding alumni from various industrial sectors to serve as mentors to students. The Program connects and prepares Tunghai students to join the society, with contents being decided based on discussions between mentors and students. It manifests the concept of “teach by words, practice by hands” to cultivate academically multi-disciplinary capabilities of the students. It also bonds alumni and students closer to one another, encouraging experience-sharing and caring.

Tunghai Vice President Cheng-Tung Lin pointed out that the mentorship program exposes the students to the society, provides them with career opportunities, and offers great advice with the help and experiences of the industry mentors. VP Lin hoped the students would prepare themselves with a positive attitude, taking the initiative to plan and organize for the future. He also pled for the industry mentors to stay patient and empathetic when facing students who might lack confidence in themselves.

Director Yesong Ku of the Department of Chemical and Materials Engineering thanked the department’s alumni for voluntarily assisting for the development of the department and implementing the industry mentorship program. With the strong support from the alumni, the students would not only have role models to live up to but also become inspired to develop their potentials and strengths. Ultimately, the program should help sharpen the students’ socializing ability and accompany them throughout the years to come in their lives.

The industry mentors will take a share-and-guide approach to lead the students with their experiences and connections. They aim to assist the students in shortening the gap between school life and career or further education, in building up confidence, and in choosing the right path. The mentors urged the students to look further into the future and plan ahead for their way to success.

At the end of the ceremony, a student representative read out the mentorship declaration and pledged for the participation of the program. Mentees then respectively practiced the honoring ritual to their mentors one-by-one. By expressing their dedication to learn from the seniors through the ritual, the students also presented the greatest gratitude towards the industry mentors.

THU students practiced the honoring ritual to their mentors



**OIEP Office wishes you peace, joy and happiness
for Christmas and the coming year!!**