高雄醫學大學

KAOHSIUNG MEDICAL UNIVERSITY

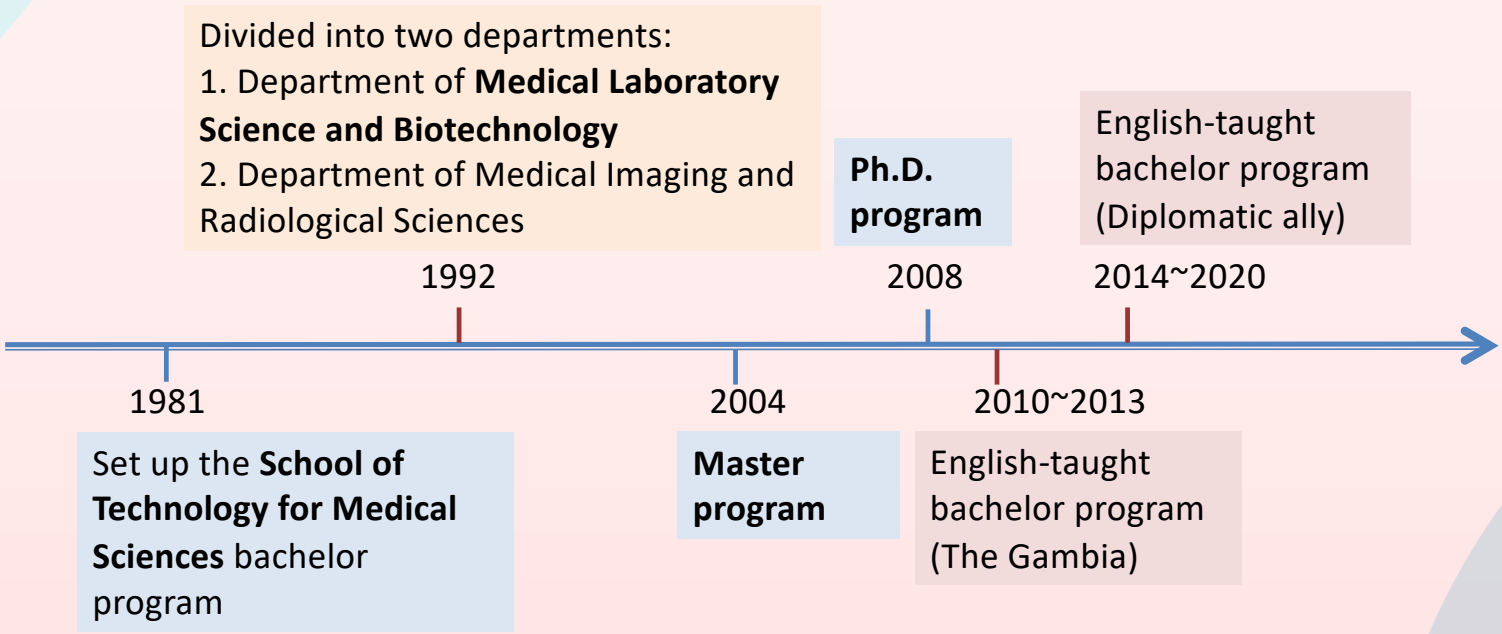
未來高醫 引領未來

Integrity(誠信)、Internationalization(國際化)
Innovation(創新)、Intelligence(智慧)
Integration(整合)、Impact(影響力)

Medical Laboratory Science and Biotechnology, College of Health Sciences

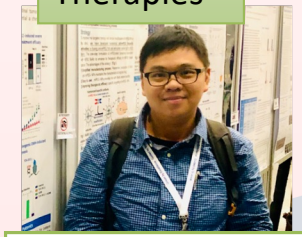
Liang-Yin Ke, Ph.D.

Brief History of MLSB



MT100
Designed by student
SHIU, BO-YAN

Faculty Members of MLSB

Lipid Metabolims	Analytical Chemistry	Skin Immune	Cancer Drugs	Physiology & Pathology	Target Therapies
					
Professor Liang-Yin Ke	Professor Yeou-Lih Huang	Professor Ching-Shuang Wu	Associate Professor Wan-Chi Tsai	Associate Professor Shyh-Jong Wu	Associate Professor Chih-Hung Chuang
					
Professor Pei-Yu Chu	Professor Sung-Pin Tseng	Professor Sheng-Fan Wang	Assistant Professor I-Lin Lin	Assistant Professor Li-Wen Huang	Associate Professor Shu-Chi Wang
Viral Evolution	Antimicrobial Resistance	Viral mAbs & Immune	Blood bank	Hematology	Noncommunicable diseases

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柯良胤 (Liang-Yin Ke), Ph.D.

Web of Science Researcher ID: A-2778-2009

Research Gate: https://www.researchgate.net/profile/Liang-Yin-Ke

Publons: https://publons.com/researcher/1499009/liang-yin-ke/

ORCID: https://orcid.org/0000-0002-2547-0987

- Lipid Metabolism and Diseases
- Lysophosphatidylcholine (LPC)
- Platelet-activating factor (PAF)
- Ceramide (CER)

Yeou-Lih Huang, Professor (Tiger)

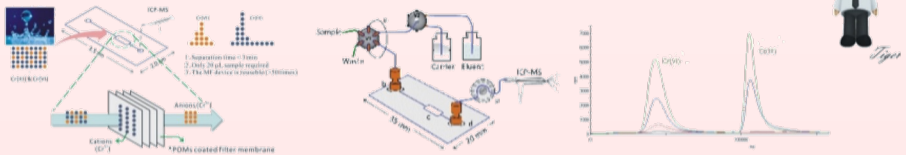
研究室與實驗室：濟世大樓CS610室

聯絡電話：(07)312-1101 ext.2251

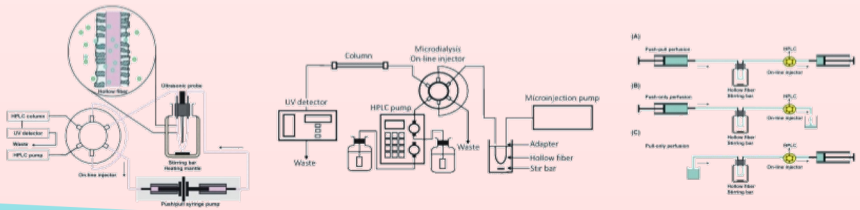
電子信箱：yelihu@kmu.edu.tw

Major research interests and recent work

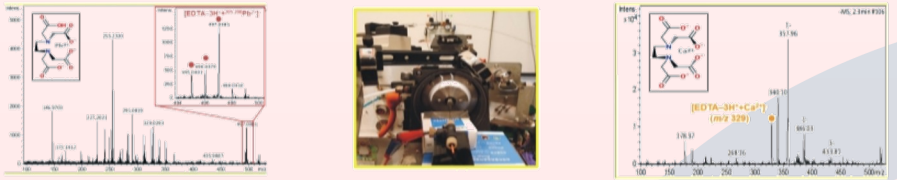
Online microfluidics-ICP-MS system for trace element speciation



Microseparation system coupled with chromatography/mass spectrometry for determining contaminants in biomedical and environmental samples



Determination of trace metals using electrospray-assisted laser desorption ionization tandem mass spectrometry (ELDI-MS/MS)



Applications of analytical methods for biomonitoring of trace elements and biomarkers

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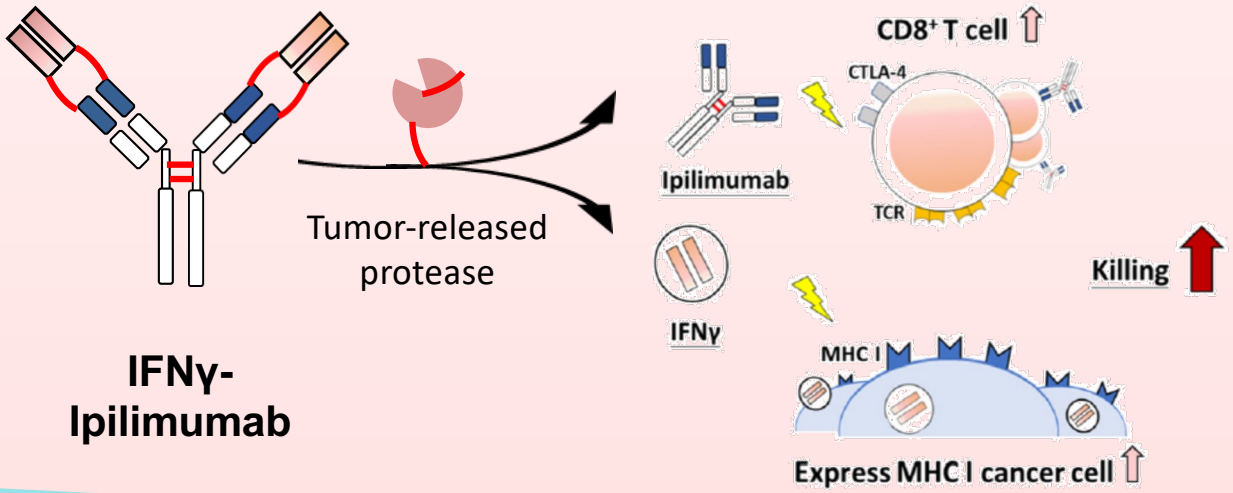
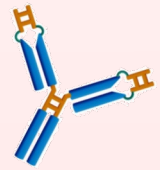
TAIWAN National Innovation Award

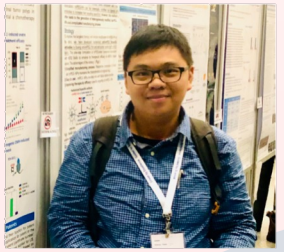
Inactive state
block each other

Activate simultaneously
Promote T cell activation and kill tumor



IFNγ-Ipilimumab





Chuang Chih-Hung , 莊智弘

Department of Medical Laboratory Science and Biotechnology

a4132600@kmu.edu.tw

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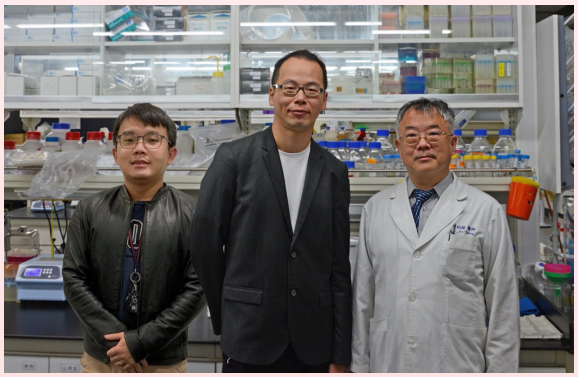
Strength & features of MLSB

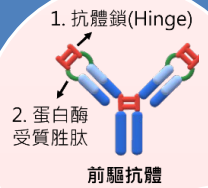


Mass spec.

Disease markers, lipid metabolism and cardiovascular disease

Protein Drugs

Antibody-locker, enzymes, bioengineering protein for tumors and ASCVD



Clinical medicine

Diagnostic kit for COVID, dengue, Antibacterial drugs for multiple drug resistant organisms

Visiting Professor

伊藤悦朗
Etsuro Ito

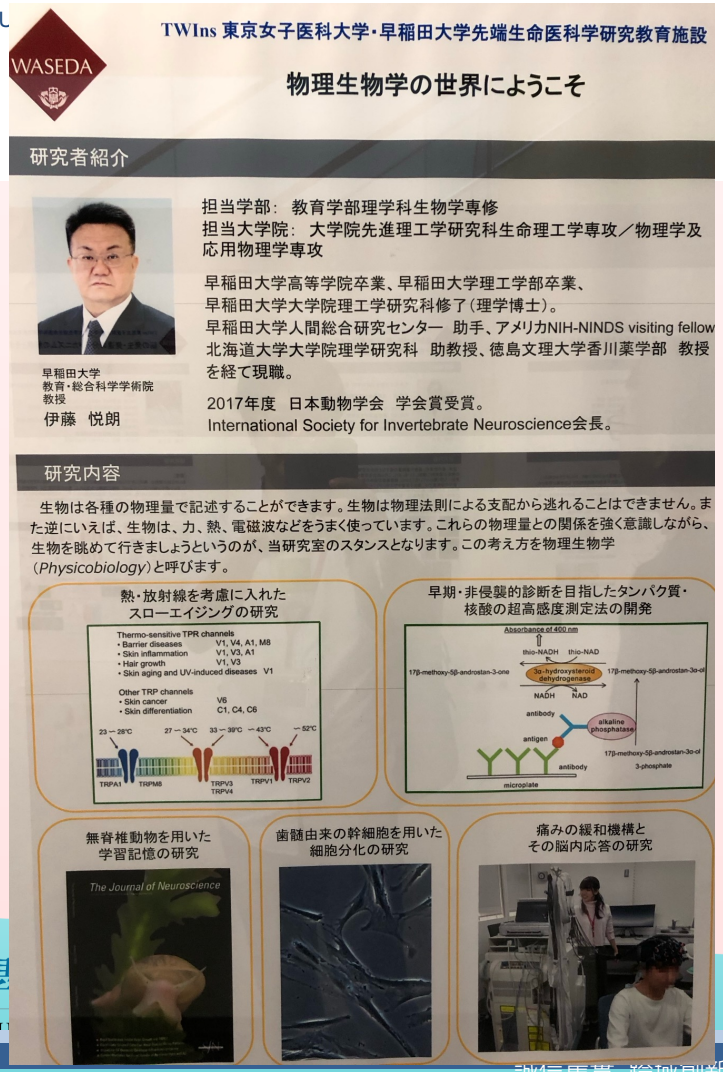
Integrative Bioscience and Biomedical Engineering, Waseda University, Japan

- January 2011 – date: President of International Society for Invertebrate Neurobiology
- Editors in journals: 2017 – date, Associate Editor, *European Zoological Journal*; 2016 – date: Editorial Board, *Scientific Reports*, Associate Editor, *Frontiers in Behavio* Academic Editor, *PLOS ONE*; 2013 – d

Publications：
>260 papers

1. Chu CS, et al. *Biomedicines* 2020 Jul 3(
2. Mishra VK†, et al. *Cells* 2020 May 6;9(5
3. Iha K, et al. *Diagnostics* 2019 Jul 18; 9
4. S Yamakado, et al. *BMJ Open Diabetes*

- snail animal model for researches on neuroscience
- Ultra-Sensitive ELISA
- Cell Clock, Ca2+ Imaging
- Near-infrared spectroscopy; NIRS



TWIns 東京女子医科大学・早稲田大学先端生命医科学研究教育施設

WASEDA

物理生物学の世界にようこそ

研究者紹介

早稲田大学
教育・総合科学学術院
教授
伊藤　悦朗

担当学部：　教育学部理学科生物学専修
担当大学院：　大学院先進理工学研究科生命理工学専攻／物理学及応用物理学専攻

早稲田大学高等学院卒業、早稲田大学理工学部卒業、
早稲田大学大学院理工学研究科修了（理学博士）。
早稲田大学人間総合研究センター　助手、アメリカNIH-NINDS visiting fellow
北海道大学大学院理学研究科　助教授、徳島文理大学香川薬学部　教授を経て現職。

2017年度　日本動物学会　学会賞受賞。
International Society for Invertebrate Neuroscience会長。

研究内容

生物は各種の物理量で記述することができます。生物は物理法則による支配から逃れることはできません。また逆にいえば、生物は、力、熱、電磁波などをうまく使っています。これらの物理量との関係を強く意識しながら、生物を眺めて行きましょうというのが、当研究室のスタンスとなります。この考え方を物理生物学（*Physicobiology*）と呼びます。

熱・放射線を考慮に入れた
スローエイジングの研究

早期・非侵襲的診断を目指したタンパク質・
核酸の超高感度測定法の開発

無脊椎動物を用いた
学習記憶の研究

歯髄由来の幹細胞を用いた
細胞分化の研究

痛みの緩和機構と
その脳内応答の研究

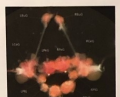
全自動学習装置による淡水産巻貝の
学習記憶能力における地域差の解析

*戸谷 勇輝, 伊藤 悦朗
早大・教育・生物

要旨

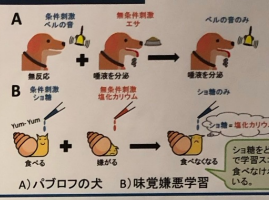
① 実験動物への訓練・学習成績評価を自動で行う装置を開発した。
② その装置を用いて学習能力の地域差を解析した。

ヨーロッパモノアラガイ



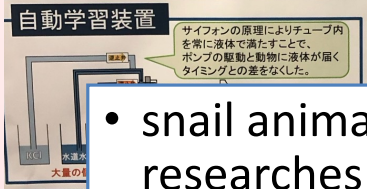
A）淡水産の巻貝 *Lymnaea stagnalis*
学習能力があり、雌雄同体・孵化前に変態・3 - 4ヶ月で成熟。
B）*Lymnaea stagnalis* の中枢神経系（脳）
構造が単純で理解しやすいため、
学習記憶に関する詳細な解析が可能。

味覚嫌悪学習



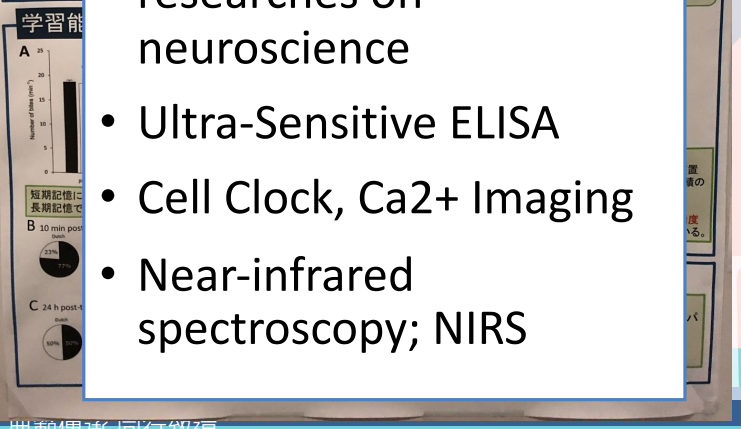
A）パブロフの犬　B）味覚嫌悪学習

自動学習装置



画像認識による口の検出

学習能



- snail animal model for researches on neuroscience
- Ultra-Sensitive ELISA
- Cell Clock, Ca2+ Imaging
- Near-infrared spectroscopy; NIRS

@Biochemie, University of Cologne









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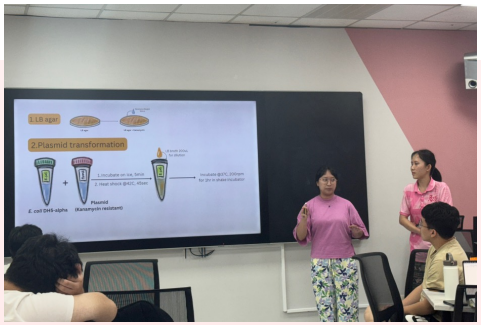
@TWIns, Waseda University

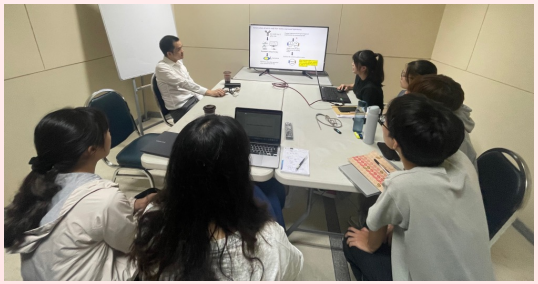







Chulalongkorn university



MOE TEEP program

https://teep.studyintaiwan.org/

TAIWAN EXPERIENCE EDUCATION PROGRAM

Guarantee & Scholarship

All TEEP programs are approved and guided by Taiwan Ministry of Education (MOE), and must comply with laws and regulations to ensure education quality and also the basic rights and safety of all students. Each participant is eligible to receive a monthly stipend (maximum 15,000 NTD) based on MOE regulations and program rules.

NTD$ 15000/month

Transnational Collaboration

Work and learn with professors, students, and cooperative enterprises around the world. Connect to the academic communities in Taiwan and the globe, and immerse yourself in industries that matches your career goals. In TEEP, you will have the opportunities to be deeply involved in transnational collaboration projects.

Active in Research & Development

Taiwan's research and development (R&D)

Future with Possibilities and Opportunities

The TEEP program will help you develop critical

CV
Photocopy of Passport
- -- > Application from KMU
- -- > MOE Taiwan
- -- > MFA Taiwan --> VISA

NSTC IIPP program

https://iipp.tw/program

NSTC | International Internship Pilot Program

About Us ▾ For Applicants ▾ Mentors/Jobs ▾ Partnership Alliance Login

VI. Evaluation and Matching Process

i. Matching between the potential intern and PI will be mainly conducted via an online system. The NSTC may also convene platform review meetings based on policy requirement.

ii. PIs offering internship positions will evaluate applicants based on the provided information. Upon mutual agreement, the system will issue an acceptance letter to the intern.

VII. Subsidies

NTD$ 1000/day

i. Internship Allowance: NT$1,000 per intern per day, with a maximum dura

Interns who have been issued IIPP acceptance letter cannot request to ch

ii. Internship Operating Expenses: For each intern hosted, the PI may receive

expenses related to guiding interns in experiments, research, etc. (In princ

Exception may be granted due to nationality diversification concern.)

VIII. Funding Appropriation

i. Upon receiving the institute's request for funds based on the internship stu

CV
Photocopy of Passport
Proof of current enrollment (PIs may request additional academic performance proof and internship plans)
Recommendation letter

- -- > Apply online
- -- > NSTC review

KMU scholarships and others

高雄醫學大學 國際事務處
Kaohsiung Medical University
Office of Global Affairs

https://ciae2.kmu.edu.tw/index.php/en-gb/international-students1/new-students/scholarships

Scholarships

Elite- MOE Scholarship for Lecturers from South and Southeast Asia Countries
Elite- MOE Scholarship for Lecturers from Africa Countries
MOFA- MOFA Taiwan Scholarship Program (Guidelines)
MOE- MOE Taiwan Scholarship Program (Guidelines)
KMU Scholarship- Guidelines for the KMU International Student Scholarship

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