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RESEARCH INTERESTS

- To develop cancer therapeutics targeting the remodeling of intracellular Ca²⁺ homeostasis and cytoskeletal dynamics of cancer cells.
- To explore neuroprotective agents to ameliorate the chemotherapy-induced neurotoxic effects.
- To discover skin barrier protectants facilitating the antioxidant defense mechanism and aquaporin-based cellular water transport.

EDUCATION AND TRAINING

2004/09-2010/07	Ph.D. in Basic Medical Sciences National Cheng Kung University, Tainan, Taiwan
2008/11-2009/10	Visiting Scientist Department of Physiology, Anatomy, and Genetics, University of Oxford, Oxford, UK
1999/09-2003/06	B.S. in Pharmacy Kaohsiung Medical University, Kaohsiung, Taiwan

QUALIFICATIONS

2003	Professional Pharmacist License (Taiwan Pharmacist Board Licensure Exam)
2003	Certificate of Chinese Herbal Medicine Kaohsiung Medical University, Kaohsiung, Taiwan

ACADEMIC EMPLOYMENT

- 2015/02-present **Assistant Professor**
Graduate Institute of Natural Products, College of Pharmacy,
Kaohsiung Medical University, Kaohsiung, Taiwan
- 2014/08-2015/01 **Independent Research Fellow (awarded by MOST)**
Department of Pharmacology, College of Medicine,
National Cheng Kung University, Tainan, Taiwan
- 2013/08-2015/01 **Project Assistant Professor**
Institute of Basic Medical Sciences, College of Medicine,
National Cheng Kung University, Tainan, Taiwan
- 2010/09-2013/07 **Postdoctoral Research Fellow**
Department of Pharmacology, College of Medicine,
National Cheng Kung University, Tainan, Taiwan

ADMINISTRATIVE EXPERIENCES

- 2021/08-present **Section Director of International Affairs**
College of Pharmacy,
Kaohsiung Medical University, Kaohsiung, Taiwan
- 2019/08-2021/08 **Director of Academic Collaboration,**
Office of Global Affairs
Kaohsiung Medical University, Kaohsiung, Taiwan

HONORS & AWARDS

- 2021 **Outstanding Teaching Award**, Kaohsiung Medical University, Kaohsiung, Taiwan
(109 學年度教學優良教師)
- 2020 **Outstanding Teaching Award**, Kaohsiung Medical University, Kaohsiung, Taiwan
(108 學年度教學優良教師)
- 2020 **Award of Technology Transfer**, Kaohsiung Medical University, Kaohsiung, Taiwan
(108 學年度技術轉移優良獎)
- 2019 **Outstanding Research Award**, Kaohsiung Medical University, Kaohsiung, Taiwan
(2019 年研究績優教師—優秀論文獎)
- 2019 **Outstanding Teaching Award**, Kaohsiung Medical University, Kaohsiung, Taiwan
(107 學年度藥學院教學優良教師)
- 2019 **Outstanding Student Mentoring Award**, Kaohsiung Medical University, Kaohsiung,
Taiwan (107 學年度績優導師)
- 2018 **Outstanding Teaching Award**, Kaohsiung Medical University, Kaohsiung, Taiwan
(106 學年度教學優良教師)

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- 2017 **Outstanding Student Mentoring Award**, Kaohsiung Medical University, Kaohsiung, Taiwan (105 學年度績優導師)
- 2015 **Outstanding Research Award**, Kaohsiung Medical University, Kaohsiung, Taiwan (2015 年研究績優教師—優秀論文獎)
- 2014 **Independent Research Fellowship** awarded by Ministry of Science and Technology, Taiwan (科技部延攬研究學者-助理研究員) MOST 103-2811-B-006 -025 -
- 2013 **Outstanding Research Paper Award**, Laser Medicine Education, and Research Foundation, Taiwan (2013 年雷射醫學文教基金會優秀論文獎)
- 2013 **Travel Grant** for International Conference by National Science Council, Taiwan (國科會補助國內專家學者出席國際學術會議) NTD 69,500
- 2012 **Travel Grant** for International Conference by National Science Council, Taiwan (國科會補助國內專家學者出席國際學術會議) NTD 51,000
- 2010 **Awarded member** of Bio-Inspired Sensing & Bio-Inspired Actuation Summer Institute at the University of Illinois at Urbana-Champaign, Champaign, IL, U.S.A., by Taiwan National Science Council and U.S. National Science Foundation Joint Program
- 2010 **Award of Outstanding Thesis** by Tien-Te Lee Biomedical Foundation, Taiwan (第 6 屆永信李天德醫藥科技獎—傑出論文獎)
- 2007 **Graduate Students Study Abroad Scholarship** by National Science Council, Taiwan (國科會千里馬計畫補助博士生赴國外研究) NTD 600,000

RESEARCH GRANTS & FUNDING

2022	Ministry of Science and Technology	Application of an integrated platform of cell imaging technologies and mouse models to develop novel anticancer natural therapeutics targeting cancer-specific calcium signaling network [以細胞影像平台結合動物模式開發癌細胞專一性鈣離子訊息網絡標靶之新穎天然抗癌藥物] MOST 111-2320-B-037-014 -MY3	NTD 4,650,000 (Principal Investigator) 3 years from 2022
2019	Ministry of Science and Technology	Application an integrated platform of high-content imaging system and mouse models to identify neuroprotective natural products against chemotherapy-induced neuropathy [以高通量影像系統結合動物模式平台開發緩解化學治療引發神經病變之新穎天然藥物] MOST 108-2320-B-037-012-MY3	NTD 3,250,000 (Principal Investigator) 3 years from 2019
2021	Kaohsiung Medical University	NKUST-KMU Joint Research Project: Developing Taiwan common seaweed as raw materials of natural marine cosmetics and functional evaluation of skin repairing [高科大高醫大研發暨產學合作補助計畫：以台灣常見海藻作為海洋天然美粧品原料開發與改善皮膚修護功效]	NTD 200,000 (Principal Investigator) 1 year from 2021

2020	TTH Biotech Corporation	Industry-academia collaboration project [產學合作計畫-諾麗果萃取物對於皮膚損傷之活性評估]	NTD 350,000 (Principal Investigator) 10 months from 2020
2020	Ministry of Science and Technology	The Bio-image Core [生醫光學影像核心平台] MOST 109-2740-B-006 -002 -	NTD 16,500,000 (Co-Principal Investigator) 1 year from 2020
2019	Kaohsiung Medical University	[探討內質網鈣離子感應蛋白於癌細胞功能的重要性] KMU-M108010	NTD 180,000 (Principal Investigator) 1 year from 2019
2019	Ministry of Science and Technology	The Bio-image Core [生醫光學影像核心平台] MOST 108-2319-B-006 -001 -	NTD 17,000,000 (Co-Principal Investigator) 1 year from 2019
2018	Ministry of Science and Technology	The Bio-image Core [生醫光學影像核心平台] MOST 107-2319-B-006 -001 -	NTD 14,073,000 (Co-Principal Investigator) 1 year from 2018
2018	Kaohsiung Medical University	[探討細胞移動過程中細胞骨架及內質網鈣離子感應蛋白的相互調控] KMU-M107011	NTD 180,000 (Principal Investigator) 1 year from 2018
2018	Ministry of Education	Academic Strategic Alliance: Taiwan and Oxford University: To develop novel therapeutics by targeting ion transport in cancer cells [我國與英國牛津大學合作發展學術策略聯盟-開發新穎抗癌藥物：以癌細胞獨特離子運輸機制為標的]	NTD 2,000,000 (Principal Investigator) 1 year from 2018
2018	Ministry of Science and Technology	The effect and mechanism of oxidative stress and calcium traffic on mitochondrial function and autophagy of 4beta-hydroxywithanolide-treated oral cancer cells [口腔癌細胞處理4beta-hydroxywithanolide 的氧化壓力與鈣離子流動對粒線體功能與細胞自噬的影響與機制] MOST 107-2320-B-037 -016 -	NTD 1,000,000 (Co-Principal Investigator) 1 year from 2018
2017	Kaohsiung Medical University	[利用高內涵細胞影像技術以開發具神經保護之天然藥物] KMU-Q106009	NTD 450,000 (Principal Investigator) 1 year from 2017

2017	得陞生技醫藥股份有限公司	Industry-academia collaboration project [產學合作計畫-牛樟芝萃取物之成分分離與結構鑑定]	NTD 1,210,842 (Co-Principal Investigator) 1 year from 2017
2017	Ministry of Science and Technology	To investigate the role of N-linked glycosylated carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) in EGF receptor signaling and the implication in oral cancer therapy [探討癌胚抗原相關細胞黏附分子6糖基化在調控表皮生長因子接受器訊息傳遞的機制及在口腔癌治療的應用] MOST 106-2320-B-038 -007 -	NTD 935,000 (Co-Principal Investigator) 1 year from 2017
2017	Ministry of Science and Technology	To upgrade the Bio-image Core [精進生醫光學影像核心平台] MOST 106-2319-B-006 -001 -	NTD 18,100,000 (Co-Principal Investigator) 1 year from 2017
2015	Ministry of Science and Technology	To study the molecular mechanisms of calcium signal controlling cell cycle progression [研究鈣離子訊息調控細胞週期之分子機轉] MOST 104-2320-B-006 -015 -MY3	NTD 5,285,000 (Co-Principal Investigator) 3 years from 2015
2014	Ministry of Science and Technology	The impact of ER calcium sensors on cell migration and tumor invasiveness [內質網鈣離子感應蛋白對於細胞遷移及腫瘤侵襲的重要性] MOST 103-2321-B-006-018-MY3	NTD 3,540,000 (Principal Investigator) 3 years from 2014
2014	Kaohsiung Medical University	[解析癌細胞鈣離子訊息網絡之調控機制及細胞遷移功能探討] KMU-Q105008	NTD 400,000 (Principal Investigator) 1 year from 2017
2014	Ministry of Science and Technology	To set up an image-based high content screening platform to develop novel neuroprotective agents for chemotherapy [建立高通量顯微影像技術以開發新穎的神經保護劑] MOST 103-2325-B-006 -016- (1/3) MOST 104-2325-B-006 -008- (2/3) MOST 105-2325-B-006 -006- (3/3)	NTD 10,710,000 (Co-Principal Investigator) 3 years from 2014

PUBLICATIONS

(shaded = since 2017)

- *Google Scholar* (retrieved 2022/07/18): Citations = 1,407; h-index = 19; i10-index = 23.
- *Web of Science* (retrieved 2022/06/04): Citations = 968; h-index = 16; Citations per article = 29.33.

1. **Chen YF** & Shen MR*. (2022) The important role of ion transport system in cervical cancer. *International Journal of Molecular Sciences*. 23(1): 333. (SCI)
2. **Chen YF**, Wu HC, Chang JM, Ko HH, Lin CH, Chang HS*. (2022) Chemical investigations and cytotoxic effects of metabolites from *Antrodia camphorata* against human hepatocellular carcinoma cells. *Natural Product Research*. 2022 May 18;1-11. (Online ahead of print) DOI: 10.1080/14786419.2022.2076676.
3. Yang SS, **Chen YF**, Ko HH, Wu HC, Hsieh SY, Wu MD, Cheng MJ, Chang HS*. (2022) Undescribed alkyne-geranylcylohexenetriols from the endophyte *Diaporthe caulivora* 09F0132 and their anti-melanogenic activity. *Phytochemistry*. 202:113312. (SCI)
4. Chen SR, Wang SW, Lin YC, Yu CL, Yen JY, **Chen YF***, Cheng YB*. (2021) Additional alkaloids from *Zoanthus vietnamensis* with neuroprotective and anti-angiogenic effects. *Bioorganic Chemistry*. 109:104700. (*equal contribution as the corresponding author) (SCI)
5. Ko HH, Chang YT, Kuo YH, Lin CH, **Chen YF***. (2021) *Oenothera laciniata* Hill extracts exhibits antioxidant effects and attenuates melanogenesis in B16-F10 Cells via downregulating CREB/MITF/Tyrosinase and upregulating p-ERK and p-JNK. *Plants (Basel)*. 10(4):727. (SCI)
6. Huang YT, HsuYT, **Chen YF**, Shen MR* (2021) Super-resolution microscopy reveals that stromal interaction molecule 1 trafficking depends on microtubule dynamics. *Frontiers in Physiology*. 12:762387. (SCI)
7. Wu HC, **Chen YF**, Cheng MJ, Wu MD, Chen YL, Chang HS*. (2021) Different types of components obtained from *Monascus purpureus* with neuroprotective and anti-inflammatory potentials. *Food & Function*. 12(18):8694-8703.
8. Wu HC, **Chen YF**, Cheng MJ, Wu MD, Chen YL, Chang HS*. (2021) Investigations into chemical components from *Monascus purpureus* with photoprotective and anti-melanogenic activities. *Journal of Fungi (Basel)*. 7(8):619. (SCI)
9. Jadhao M, Tsai EM, Yang HC, **Chen YF**, Liang SS, Wang TN, Teng YN, Huang HW, Wang LF, Chiu CC*. (2021) The long-term DEHP exposure confers multidrug resistance of triple-negative breast cancer cells through ABC transporters and intracellular ROS. *Antioxidants (Basel)*. 10(6):949. (SCI)
10. Chen YS, Chang HS, Hsiao HH, **Chen YF**, Kuo YP, Yen FL, Yen CH*. (2021) Identification of *Beilschmiedia tsangii* root extract as a liver cancer cell-normal keratinocyte dual-selective NRF2 regulator. *Antioxidants (Basel)*. 10(4):544. (SCI)
11. Hsu HF, Chen KM*, Belcastro F, **Chen YF**. (2021) Polypharmacy and pattern of medication use in community-dwelling older adults: a systematic review. *Journal of Clinical Nursing*. 30(7-8):918-928. (SCI)
12. Hsu SK, Li CY, Lin IL, Syue WJ, **Chen YF**, Cheng KC, Teng YN, Lin YH, Yen CH, Chiu CC*. (2021) Inflammation-related pyroptosis, a novel programmed cell death pathway, and its crosstalk with immune therapy in cancer treatment. *Theranostics* 11(18):8813-8835. (SCI)

13. **Chen YF**, Wu SN, Gao JM, Liao ZY, Tseng YT, Fülöp F, Chang FR, Lo YC*. (2020) The antioxidant, anti-inflammatory, and neuroprotective properties of the synthetic chalcone derivative AN07. *Molecules*. 25(12):2907. (SCI)
14. Hsu SK, Chang WT, Lin IL, **Chen YF**, Padalwar NB, Cheng KC, Teng YN, Wang CH, Chiu CC*. (2020) The role of necroptosis in ROS-mediated cancer therapies and its promising applications. *Cancers (Basel)*. 12(8):2185. (SCI)
15. **Chen YF**, Chen LH, Shen MR*. (2019) The distinct role of STIM1 and STIM2 in the regulation of store-operated Ca^{2+} entry and cellular function. *Journal of Cellular Physiology*. 234(6):8727-8739. (SCI)
16. **Chen YF**, Lin PC, Yeh YM, Chen LH, Shen MR*. (2019) Store-operated Ca^{2+} entry in tumor progression: from molecular mechanisms to clinical implications. *Cancers (Basel)*. 11(7):899. (SCI)
17. Lin YC, Ko YC, Hung SC, Lin YT, Lee JH, Tsai JY, Kung PH, Tsai MC, **Chen YF**, Wu CC. (2019) Selective inhibition of PAR4 (protease-activated receptor 4)-mediated platelet activation by a synthetic nonanticoagulant heparin analog. *Arteriosclerosis, Thrombosis, and Vascular Biology*. 39(4):694-703. (SCI)
18. Chiang WF, Cheng TM, Chang CC, Pan SH, Changou CA, Chang TH, Lee KH, Wu SY, **Chen YF**, Chuang KH, Shieh DB, Chen YL, Tu CC, Tsui WL, Wu MH*. (2018) Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) promotes EGF receptor signaling of oral squamous cell carcinoma metastasis via the complex N-glycosylation. *Oncogene*. 37(1):116-127. (SCI)
19. Chen YW, Lai CS, **Chen YF**, Chiu WT, Chen HC, Shen MR*. (2017) STIM1-dependent Ca^{2+} signaling regulates podosome formation to facilitate cancer cell invasion. *Scientific Reports*. 7(1):11523. (SCI)
20. Chen YF, Chen LH, Yeh YM, Wu PY, **Chen YF**, Chang LY, Chang JY, Shen MR*. (2017) Minoxidil is a potential neuroprotective drug for paclitaxel-induced peripheral neuropathy. *Scientific Reports* 7:45366. (SCI)
21. **Chen YF**, Hsu KF, Shen MR*. (2016) The store-operated Ca^{2+} entry-mediated signaling is important for cancer spread. *Biochimica et Biophysica Acta-Molecular Cell Research*. 1863(6 Pt B):1427-1435. (SCI)
22. Chen YW, **Chen YF**, Chen YT, Chiu WT, Shen MR*. (2016) The STIM1-Orail pathway of store-operated Ca^{2+} entry controls the checkpoint in cell cycle G1/S transition. *Scientific Reports*. 6:22142. (SCI)
23. Chen LH, Sun YT, **Chen YF**, Lee MY, Chang LY, Chang JY, Shen MR*. (2015) Integrating image-based high-content screening with mouse models identifies 5-hydroxydecanoate as a neuroprotective drug for paclitaxel-induced neuropathy. *Molecular Cancer Therapeutics*. 14(10):2206-2214. (SCI)
24. Chen YT[#], **Chen YF**[#], Chiu WT, Liu KY, Liu YL, Chang JY, Chang HS, Shen MR*. (2013) Microtubule-associated histone deacetylase 6 supports the calcium store sensor STIM1 in mediating malignant cell behaviors. *Cancer Research*. 73(14):4500-4509. (**#equal contribution as the 1st author**) (SCI)
25. **Chen YF**, Chen YT, Chiu WT, Shen MR*. (2013) Remodeling of calcium signaling in tumor

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- progression. *Journal of Biomedical Science*. 17;20:23. (**invited review article**) (SCI)
26. Chen YT, **Chen YF**, Chiu WT, Wang YK, Chang HC, Shen MR*. (2013) The ER Ca²⁺ sensor STIM1 regulates actomyosin contractility of migratory cells. *Journal of Cell Science*. 126 (Pt 5):1260-1267. (SCI)
 27. **Chen YF**[#], Chiu WT[#], Chen YT, Lin PY, Huang HJ, Chou CY, Chang HS, Tang MJ, Shen MR*. (2011) Calcium store sensor STIM1-dependent signaling plays an important role in cervical cancer growth, migration and angiogenesis. *Proceedings of the National Academy of Sciences USA*. 108(37):15225-15230. (**#equal contribution as the 1st author**) (SCI)
 28. **Chen YF**, Chou CY, Ellory JC, Shen MR*. (2010) The emerging role of KCl cotransport in tumor biology. *American Journal of Translational Research*. 2(4):345-355. (**invited review article**) (SCI)
 29. **Chen YF**, Chou CY, Wilkins RJ, Ellory JC, Mount DB, Shen MR*. (2009) Motor protein-dependent membrane trafficking of KCl cotransporter-4 is important for cancer cell invasion. *Cancer Research*. 69(22):8585-8593. (SCI)
 30. Hsu YM, **Chen YF**, Chou CY, Tang MJ, Chen JH, Wilkins RJ, Ellory JC, Shen MR*. (2007) KCl cotransporter-3 down-regulates E-cadherin/beta-catenin complex to promote epithelial-mesenchymal transition. *Cancer Research*. 67(22):11064-11073. (SCI)
 31. Hsu KF, Huang SC, Shiau AL, Cheng YM, Shen MR, **Chen YF**, Lin CY, Lee BH, Chou CY*. (2007) Increased expression level of squamous cell carcinoma antigen 2 and 1 ratio is associated with poor prognosis in early-stage uterine cervical cancer. *International Journal of Gynecological Cancer*. 17(1):174-181. (SCI)
 32. Hsu YM, Chou CY, Chen HH, Lee WY, **Chen YF**, Lin PW, Alper SL, Ellory JC, Shen MR*. (2007) IGF-1 upregulates electroneutral K-Cl cotransporter KCC3 and KCC4 which are differentially required for breast cancer cell proliferation and invasiveness. *Journal of Cellular Physiology*. 210(3):626-636. (SCI)
 33. Shen MR, Hsu YM, Hsu KF, **Chen YF**, Tang MJ, Chou CY*. (2006) Insulin-like growth factor 1 is a potent stimulator of cervical cancer cell invasiveness and proliferation that is modulated by alphavbeta3 integrin signaling. *Carcinogenesis*. 27(5):962-971. (SCI)

COMMUNICATION & PRESENTATION

1. **Poster**, Paclitaxel-induced peripheral neuropathy in a dish: a neuronal cell-based high-content image platform. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP). Taipei, Taiwan, November 2021.
2. **Poster**, Establishment of an image-based analysis platform of particulate matter (PM)-induced skin cell dysfunction. The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP). Taipei, Taiwan, November 2021.
3. **Invited Talk**, Cellular imaging analysis platforms for exploring anticancer or neuroprotective natural products. The 36th Symposium on Natural Products & Symposium on Traditional Chinese Medicine and Pharmacy. Kaohsiung, Taiwan, October 2021.
4. **Poster**, *Diaporthe cynaroides*, an endophytic fungi from formosan plants, attenuates UVB-induced photodamage in human keratinocytes. The 69th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Bonn,

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- Germany (Virtual conference), September 2021.
5. **Poster**, Development of a neuronal cell-based high-content image screening platform of paclitaxel-induced peripheral neuropathy. The 69th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Bonn, Germany (Virtual conference), September 2021.
 6. **Invited Talk (online)**, Remodeling of Ca²⁺ signaling in tumor progression. PharSciTech Special Seminar, Chulalongkorn University, Bangkok, Thailand, February 2021.
 7. **Poster**, Anti-malignant potentials of flavokawain B inclusion complex in melanoma. The 35th Symposium of Natural Products, Taipei, Taiwan, September 2020.
 8. **Session Moderator**, Academic Forum of Academic Strategic Alliance: Taiwan and Oxford University, Oxford, UK, December 2018.
 9. **Invited talk**, The nanoscale dynamics of ER Ca²⁺ sensors in the regulation of Ca²⁺ homeostasis. Academic Forum of Academic Strategic Alliance: Taiwan and Oxford University, Tainan, Taiwan, September 2018.
 10. **Poster**, Secondary metabolites and their bioactivities from the root of *Cryptocarya concinna*. The 66th Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Shanghai, China, August 2018.
 11. **Poster**, Investigation into cellular mechanisms underlying the anti-cancer effects of artemisinin and its derivatives. Kaohsiung International Instruments & Chemtech Expo. Kaohsiung, Taiwan, May 2018.
 12. **Poster**, The differential impact of STIM1 and STIM2 on Ca²⁺ homeostasis and tumor invasiveness. Gordon Research Conference- Calcium Signalling, Lucca, Italy, June 2017.
 13. **Poster**, Chemical constituents and cytotoxic activities from the root of *Cryptocarya concinna*. The 65th Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, September 2017.
 14. **Poster**, Chemical constituents and cytotoxic activities of the root of *Cryptocarya concinna*. Annual Meeting of the pharmaceutical Society of Taiwan, Taipei, Taiwan, December 2016.
 15. **Poster**, To target microtubule-associated histone deacetylase 6 as a strategy to inhibit store-operated calcium entry-mediated malignant cell behaviors. EMBO | EMBL Symposia-Microtubules: From Atoms to Complex Systems, EMBL Heidelberg, Germany, May 2016.
 16. **Poster**, Differential roles of ER calcium sensor STIM proteins in SOCE activation and specific cellular functions. Gordon Research Conference- Calcium Signalling, Newry, ME, USA, June 2015.
 17. **Poster**, The calcium store sensor STIM1 is an important regulator for cancer cell migration. Beatson International Cancer Conference: Powering the Cancer Machine, Glasgow, UK, July 2014.
 18. **Invited talk**, Decoding Ca²⁺ Signalings for Cancer Progression. The 37th World Congress of the International Union of Physiological Sciences (IUPS meeting), Birmingham, UK, July 2013.
 19. **Invited talk**, Remodeling of Ca²⁺ signaling in cancer cell migration. Taiwan-Russia Joint Symposium: Methods of Mechanics for Physiology and Cell Biology, Taiwan, November 2013.
 20. **Poster**, Microtubule-associated histone deacetylase 6 is a potential target to interfere with calcium store sensor STIM1-mediated cancer malignant behaviors. Gordon Research

Conference- Calcium Signalling, Lucca, Italy, June 2013.

21. **Poster**, Endoplasmic reticulum Ca²⁺ sensor STIM1 (stromal interaction molecule 1) functions as a dynamic signal transducer for cancer cell mechanics. EMBO Conference - the Physiology of ER, Girona, Spain, October 2012.
22. **Poster**, Histone deacetylase 6 is necessary for the trafficking of ER Ca²⁺ sensor STIM1 that regulates actomyosin contractility of migratory cells. Beatson International Cancer Conference: Membrane Dynamics in Cancer, Glasgow, UK, July 2012.
23. **Poster**, Calcium store sensor STIM1-dependent signaling plays an important role in cervical cancer growth, migration and angiogenesis. National Cancer Research Institute (NCRI) Cancer Conference, Liverpool, UK, November 2011.
24. **Poster**, KCl cotransport is important for actin reorganization and focal adhesion dynamics during cancer cell migration. The 50th Annual Meeting of the American Society for Cell Biology, Philadelphia, PA, USA, December 2010.
25. **Poster**, Genetic dissection of potassium chloride cotransporter (KCC) functions in epithelial development and carcinogenesis in *Drosophila*. Physiological Society Annual Meeting, Dublin, Ireland, July 2009.
26. **Poster**, Membrane Trafficking of K-Cl Cotransporter KCC4 Is Important for Ovarian Cancer Cell Invasiveness. The 46th Annual Meeting of the American Society for Cell Biology, San Diego, CA, USA, December 2006.

TEACHING

- **Course Organizer & Lecturer, Professional English [專業英文]**, Department of Fragrance and Cosmetic Science (Bachelor, Grade 4), Kaohsiung Medical University, Kaohsiung, Taiwan, 2017/02-present.
- **Course Organizer & Lecturer, Special Topics on (Advanced) Target-based Research of Natural Products [(高級)天然藥物標靶研發特論]**, Graduate Institute of Natural Products (Master, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/02-present.
- **Course Organizer & Co-Organizer, Seminar on Natural Products [天然藥物專題討論]**, Graduate Institute of Natural Products (Master & PhD), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/09-present.
- **Course Co-Organizer & Lecturer, Advanced Topics on Biotechnology and Botanical New Drug Research [高階生物技術與天然藥物研發特論]**, Graduate Institute of Natural Products (PhD, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2020/02-present.
- **Lecturer, Pharmacology [藥理學]**, School of Pharmacy (Bachelor Grade 2/3), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/02-present.
- **Lecturer, Molecular and Cellular Biology [分子細胞生物學]**, Department of Fragrance and Cosmetic Science (Bachelor, Grade 3), Kaohsiung Medical University, Kaohsiung, Taiwan, 2015/09-present.
- **Lecturer, Searching for Pharmacy Literature [藥學文獻檢索]**, School of Pharmacy (Bachelor Grade 2), Kaohsiung Medical University, Kaohsiung, Taiwan, 2015/09-present.
- **Lecturer, Physiology (B) [生理學 (B)]**, Department of Medical Laboratory Science and Biotechnology (International Bachelor Program, Grade 1/2), Kaohsiung Medical University,

Kaohsiung, Taiwan, 2015/09-2017/06.

- **Lecturer, Physiology (B) [生理學 (B)]**, Department of Medical Imaging and Radiological Sciences (Bachelor, Grade 2), Kaohsiung Medical University, Kaohsiung, Taiwan, 2017/09-2020/02.
- **Lecturer, Physiology (A) [生理學 (A)]**, School of Pharmacy (Bachelor Grade 1/2), Kaohsiung Medical University, Kaohsiung, Taiwan, 2015/09-2017/06.
- **Lecturer, Host Response and Infection [Block- 宿主免疫與感染]**, School of Post-Baccalaureate Medicine (MD, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/09-2017/02.
- **Lecturer, Host Response and Infection [Block- 宿主免疫與感染]**, School of Medicine (MD, Grade 3), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/09-2017/02.
- **Lecturer, Special Topics on Solid Dosage Form [固體劑型學特論]**, School of Pharmacy (Master Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2021/02-present.
- **Lecturer, Special Topics in Pharmacology [藥理學特論]**, Graduate Institute of Medicine, (Master, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2021/09-present.
- **Lecturer, Special Topics in Herbal Pharmacology [中草藥藥理]**, Graduate Institute of Medicine, (Master, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2020/02-present.
- **Lecturer, Academic Writing [學術英文]**, School of Pharmacy, Master Program in Clinical Pharmacy (Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2019/09-present.
- **Lecturer, Scientific Writing [科學論文寫作]**, School of Pharmacy, Master Program in Clinical Pharmacy (Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2019/02-present.
- **Lecturer, Special Topics on Development of Natural Products [天然藥物研發特論]**, Graduate Institute of Natural Products (Master, Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2015/02-present.
- **Tutor, Clinical Pharmacy and Skills (Objective Structured Clinical Examination) [臨床技能]**, School of Pharmacy (Bachelor Grade 4), Kaohsiung Medical University, Kaohsiung, Taiwan, 2016/09-present.
- **Tutor, Drug Information [藥品資訊分析]**, School of Pharmacy (Bachelor Grade 4), Kaohsiung Medical University, Kaohsiung, Taiwan, 2017/09-present.
- **Tutor, Service Learning [服務學習]**, School of Pharmacy (Bachelor Grade 1), Kaohsiung Medical University, Kaohsiung, Taiwan, 2020/02-present.