

蕭文鸞



職稱：教授

學院/部門：澳門藥物及健康應用研究室
中藥質量研究國家重點實驗室

電話：(853) 8897-3751

傳真：(853) 2882-5886

電郵：wlhsiao@must.edu.mo

通訊地址：澳門科技大学，H座，703室

澳門氹仔偉龍馬路

網址：<http://MUST.edu.mo>

蕭文鸞教授畢業于台灣大學植物病蟲害學系，隨後赴美深造，先後取得美國密西根大學植物系、及哥倫比亞大學醫學院人類遺傳及發展學系碩士及博士學位。其後在哥倫比亞大學醫學院腫瘤研究所、加州大學爾灣分校生物學院生化及分子生物學系從事腫瘤分子生物學的研究工作。一九九三年末受聘于香港科技大學助理教授，二〇〇三年參加入浸會大學中醫藥學院至二〇一四年。曾任香港浸會大學中醫藥學院教授及癌症炎症研究中心研究員，前任學院副院長、教學部主任、及浸會大學中醫藥學院中醫及生物醫學士學位課程主任。

蕭教授對於腫瘤在基因層面的机理研究累積三十餘年的經驗，先後在 Nature、Science、Cells、Molecular Cellular Biology、Oncogene、Cancer Research、Clinical Cancer Research、Carcinogenesis 等國際學術期刊發表多篇研究報告。近年來更致力於中藥抗癌及防癌机理的研究並獲鼓舞成績，近期更獲香港研究資助局撥款，領導跨院校專家小組從事中藥對腫瘤及代謝失調症進行蛋白組學的研究，並參與香港研究資助資的 AoE 鼻咽癌研究項目。除此之外，蕭教授近期更進行一系列針對中藥與腸菌相互關係的探討，該課題獲香港及澳門科技基金會資助。

除科研外，蕭教授在推展香港高教的中醫教育亦不遺餘力。蕭教授目前並擔任多項公職，如香港工商及科技局，通訊及科技科認證諮詢委員會委員，香港創新科技基金生物科技項目評審委員，美國認養中國鄉村圖書館基金會香港地區聯絡人。目前為香港大學榮譽教授、香港學者協會主席、香港生物科技協會司庫等職。

Academic Qualification:

1985, 美國哥倫比亞大學醫學院博士

1982, 美國哥倫比亞大學醫學院碩士

1971, 美國密西根大學碩士

1968, 國立台灣大學學士

Previous academic positions:

2005-2014 香港浸會大學中醫藥學院教授
暨浸大中醫藥學癌症及炎症研究中心研究員

2008-2011 香港浸會大學中醫藥學院副院長

2005-2012 香港浸會大學中醫藥學院教學部主任

2005-2014 香港浸會大學中醫藥學院教授

2003-2005 香港浸會大學中醫藥學院副教授

1994-2003 香港科技大學生物系助理教授

1987-1993 美國加州大學爾灣分校研究助理教授

1985-1987 美國哥倫比亞大學醫學院腫瘤研究所研究員

Relevant research work:

研究範疇包括腫瘤分子生物學, 訊息傳導, 致癌, 及防癌基因, 炎症, 癌症中藥藥理研究。
研究也涉及中藥及天然藥物與腸微生態相互作用。

Honors and Professional memberships:

- 全球中藥大聯盟(CGCM) 顧問委員會委員, 8/2013- 8/2017.
- 香港學者協會主席 2005-2007; 2013-present.
- “香江學者計劃” 學術評審委員會委員, 2011-present
- 香港生物科技協會副主席及司庫, 2009-present.
- 香港特別行政區創新科技基金評審委員會委員, 2011-2016
- 香港特別行政區創新科技署香港認可處諮詢委員會委員, 2006-2013.
- 香港大學生命科學院榮譽教授, 1/2/2012 to 31/1/2015.
- 浸會大學 - 北師大聯合書院聯合研究所研究員, 2012 - 2017.
- 中國南開大學特聘教授
- 香港學者協會去屆主席 2008-2012.
- 尤德獎學金(醫科) 評審委員會主席, 2005- 07, 09.
- 美國腫瘤協會會員, 1982-present.
- 香港蛋白質譜學會理事及終身會員, since 2006.
- 香港藥學會會員.
- 全美生化學會終身會員, since 1987.

Publication records (out of 84):*Five most representative publications in recent five years*

- Wu P.K., Tai W.C.S., Liang Z.T., Zhao Z.Z. and Hsiao W.W.L*. Oleanolic acid isolated from *Oldenlandia diffusa* exhibits a unique growth inhibitory effect against ras-transformed fibroblasts. *Life Sciences* 85:113-12, 2009.

- Hsiao WLW* & Liu L. The role of Traditional Chinese Herbal Medicines in Cancer Therapy – from TCM Theory to Mechanistic Insights. *Planta Medica* 76: 1118-1131, 2010 (invited reviews).
- Pui Kei Wu, William C.S. Tai, Roy C.Y. Choi, Karl W.K.Tsim, Hua Zhou, Xin Liu, Zhi-Hong Jiang, and W.L.Wendy Hsiao*. Chemical and DNA authentication of taste variants of *Gynostemma pentaphyllum* herbal tea. *Food Chemistry* 128: 70-81, 2011.
- Tsang TF, Ye Y, Tai CS, Chou GX, Leung AKM, Yu ZL, Hsiao WL*. Inhibition of the p38 and PKA signaling pathways is associated with the anti-melanogenic activity of Qian-wang-hong-bai-san, A Chinese herbal formula, in B16 cells". *Journal of Ethnopharmacology*, (doi:10.1016/j.jep.2011.08.043) 2011.
- Hiu-Yee Kwan, Zhijun Yang, Yong-Mei Hu, Wang-Fun Fong, Zhi-Ling Yu* and Wen-luan Wendy Hsiao*. The anti-cancer effect of oridonin is mediated by fatty acid synthase suppression in human colorectal cancer cells. *J Gastroenterology* 48: 182-192, 2013.

Five representative publications beyond the recent five-year period

- Gattoni-Celli S, Hsiao WL, Weinstein IB. Rearranged c-mos locus in a MOPC 21 murine myeloma cell line and its persistence in hybridomas. *Nature* 306:795-796, 1983.
- Hsiao WLW, Gattoni-Celli S, Weinstein IB. A tumor promoter enhances oncogene-induced transformation of C3H 10T1/2 cells, *Science* 226:552-555, 1984.
- Housey GM, Johnson MD, Hsiao WLW, O'Brian CA, Murphy JP, Kirschmeier P, Weinstein IB. Overproduction of protein kinase C causes disordered growth control in rat fibroblasts. *Cell* 52: 343-54, 1988.
- Hsiao WLW, Housey GM, Johnson MD, Weinstein IB. Cells that overproduce protein kinase C are more susceptible to transformation by an activated c-Ha-ras oncogene. *Mol. Cell. Biol.* 9:2641-47, 1989.
- Yam JWP, Chan KW Hsiao WLW. Transcriptional regulation of the promoter of the rat frizzled related protein gene by CREB. *Oncogene* 22: 3901-3910, 2003.

Ongoing research supports:

- 2015-2018, STDF, Macau "Investigation of the impact of *Gynostemma* saponins on the gut microflora and host intestinal mucosal immune responses in the Apcmin/+ colorectal cancer mouse model", **PI**.
- 2010-2017, UGC-Area of Excellence on "Center for Nasopharyngeal Carcinoma Research" one of the **PIs**, Project Coordinator, Prof. Maria Li Lung.
- 2014-2015. RGC-GRF Grant "Characterization of the impact of *Gynostemma* saponins on gut microflora compositions and the host disease status in Apc^{min/+} mice" **PI**.

- 2012-2013, Innovation & Technology Fund, SAR, Hong Kong. "Preclinical evaluation and mechanistic study of ZK0002, a candidate anti-angiogenic and anti-cancer drug." **PI.**
- 2012-2013, Innovation & Technology Fund, SAR, Hong Kong. "Platform Development for Quality Control Standards of Processed Chinese Materia Medica (Decoction Pieces) in the Hong Kong Market" **PI.**
- 2013-2014. Innovation & Technology Fund, SAR, Hong Kong. Pharmacological studies for developing Qian-Wang-hong-bai-san as a modern therapeutic agent against skin hyperpigmentary disorders. **Co-I.**
- 2013-2014. RGC-GRF Grant "Evaluation of the anti-melanoma action of sesquiterpenes isolated from a traditional Chinese medicinal herb *Stracylidis Macrocephalae Rhizoma*. **Co-I.**
- 2013-2014. Innovation & Technology Fund, SAR, Hong Kong. "In Vivo Evaluation of Antitumor Efficacy of Plant-Derived Novel Natural Products Miliusanes" **Co-I.**
- 2013-2015. Innovation & Technology Fund, SAR, Hong Kong. "Standardization of the Vinegar for Processing Chinese Materia Medica." **Co-I.**

Patents (as the key inventor)

- Haynes, R.K., Lam, W.-L., Hsiao, W.-L.W. "The development of novel drugs through attachment of DNA-binding and other targeting ligands to trioxanes including artemisinin derivatives." U.S. Patent No. 6,649,647, issued Nov 18, 2003.
- Hsiao WLW and Wong SCC. "Plasma or serum marker and process for detection of cancer" China Patent: W02004002294.
- Hsiao WLW and Wong SCC. "Plasma or serum marker and process for detection of cancer" US Patent granted, Oct 12, 2010, Patent No: US7,811,752 B2.
- Hsiao WLW; Tai, William Chi-Shing and Jiang, Zhi-hong "Using a novel high-throughput yeast cell-based screening platform to identify HMG-CoA reductase inhibitors from natural products" PCT patent application. US61/597,162. & Non-provisional patent application, US & China.

Teaching experiences (*:course coordinator)

- "Internal Medicine" *
- "Family and Community Medicine" *
- "Microbiology and Immunology" for Chinese Medicine & Pharmacy students.*
- "Microbiology and Immunology Laboratory" for Chinese Medicine & Pharmacy students.*
- "Biochemistry" for Chinese Medicine & Pharmacy students.*
- "Biochemistry Laboratory" for Chinese Medicine & Pharmacy students.*
- "Molecular Biology" for Chinese Medicine & Pharmacy students.*
- "Molecular Biology Laboratory" for Pharmacy students.*
- "Herbal Pharmacology" for Pharmacy students.
- "Honour Projects" for Chinese Medicine & Pharmacy students.

- “General Biology” for non-biology major students.
- “Microbiology”, undergraduate.
- “Advanced Molecular Biology” for upper level undergraduates and postgraduates.*
- “Molecular Biology Techniques”, undergraduate elective, *
- “Tumor Biology” for upper level undergraduates and postgraduates*.
- “Tumor Virology and Oncogenes” *
- “Cell Cycle Control”, graduate course.
- Web-based learning project for “Tumor Biology”*.
- Created a teaching video game “Activation of an Oncogene” for “Tumor Biology”*

Graduate students and postdoctoral fellows trained:

Judy Wai Ping YAM	MSc. Degree in Biotechnology program, July 1995
Elizabeth WONG	MSc. Degree in Environmental Program, July 1996
Jiang Yu ZHENG	Post-doctoral Fellow, 1995-1996
Lawrence Yun Shun KIT	MSc. in Biotechnology Program, Aug. 1998
Hon-Hon SO	MSc. Degree in Biotechnology Program, Aug. 2000
Tat-man Dick Yuan	MSc. Degree in Biotechnology Program, Aug. 2000
Wai Ping YAM	Ph.D. Degree, Aug. 1999
Wai Ping YAM	Post-doctoral Fellow, 1999-2000
Wai Yin YUMSc.	Degree in Biotechnology Program, Jan. 2001
Sze Chuen Cesar WONG	Ph.D. Degree, Jan. 2002
Ziyao MO	Ph.D. Degree, July. 2002
Vincent Kam Wai WONG	MPhil Degree, Aug. 2002
Macro Man Kin TSUI	Post-doctoral Fellow, 2004-2006
Keith Pui Kei WU	Ph.D. student, 2005-2009
William TAI	Post-doctoral Fellow, 2005-2010
Shino NEMOTO	Post-doctoral Fellow, Feb. 2009-2010
Keith Pui Kei WU	Post-doctoral Fellow, May 2009
Yuefeng SHI	Post-doctoral Fellow, 2008-2009
Lin ZHU	Ph.D. student, Aug., 2012
Wing Yan WONG	Ph.D. student, Aug. 2012
Ting Fung TSANG	Ph.D. student, Sept. 2009-2013
Lei CHEN	Ph.D. student, Sept. 2010-2014
Shan YU	Post-doctoral Fellow, 2011-present
Brandon CHAN	Ph.D. student, Sept. 2012-present