

Phytochemistry and Herbal Medicine

Coordinator : Lie-Fen Shyur (徐麗芬), Distinguished Research Fellow

Agricultural Biotechnology Research Center, Academia Sinica

Place (地點) : Agricultural Technology Building Room A236, Academia Sinica

(中央研究院農科大樓 2 樓, Room A236)

Time (時間) : Monday, 10:00 ~ 12:00noon (星期一 10:00 ~ 12:00)

Credit (學分) : 2 credits (Elective course)

Date	Topics	Lecturers
9/05/2022	1. Current R&D of herbal medicine and botanical drug	Lie-Fen Shyur
9/12	2. Sustainable farming for medicinal herbs	Shih-Shiung Chen
9/19	3. Tissue culture technologies of medicinal plants	Hsin-Sheng Tsay
9/26	4. Metabolic engineering and transgenic approach in medicinal plant research	Choun-Sea Lin
10/03	5. Classification and functions of bioactive natural products from medicinal plants	Sheng-Yang Wang
10/17	6. Integrative omics approaches in phytomedicine research	Lie-Fen Shyur
10/24	7. MS-based proteomics in natural products and drug R&D	Jeng-Yuan Shiao
10/31	8. Animal models for pharmacological study of phytomedicines	Yu-Chuan Liang
11/07	9. Mass spectrometry-based molecular networking in herbal medicine R&D	Chun-Han Su
11/14	10. Mid-term Exam. (oral presentation)	Lie-Fen Shyur
11/21	11. Phytonutrients in sports medicine and exercise science research	Chi-Chang Huang
11/28	12. Phytochemicals and human immune diseases	Wen-Chin Yang
12/05	13. Herbal medicine and gut microbiota re-education for disease prevention	Tai-Na Wu
12/12	14. Immunotherapy for cancer disease	Yu-Ling Lin
12/19	15. Systems biology and holistic approaches to study herbal medicine against cancer metastasis	Pei-Wen Hsiao
12/26	16. Immunomodulatory phytoagents	Hui-Ming Chen
01/03/2023	17. Final Exam.	Lie-Fen Shyur