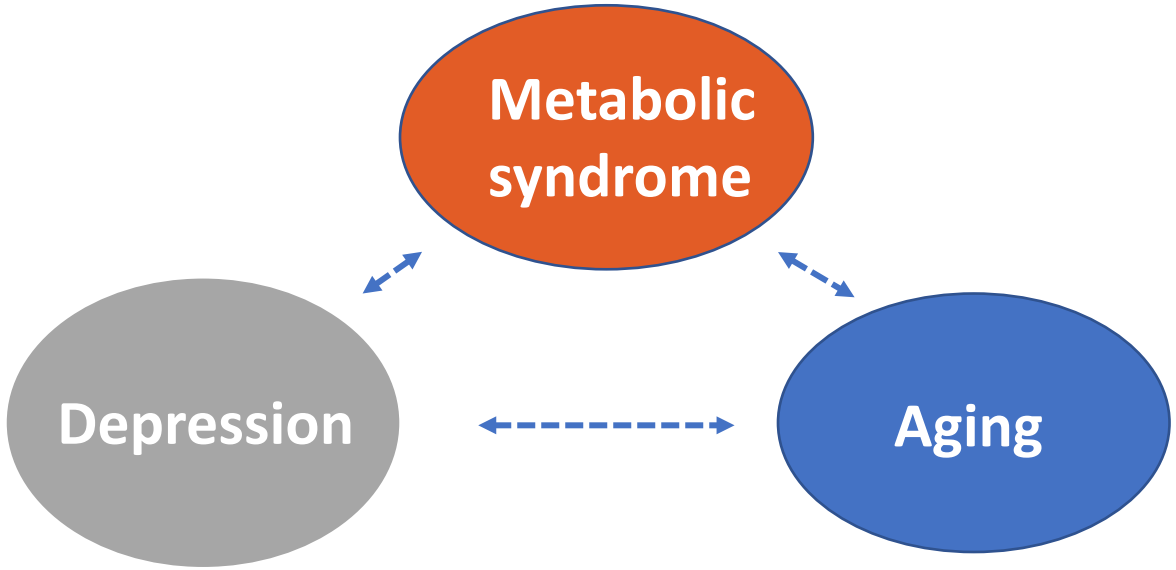
Polychemical Activities and Mechanism Study II (Metabolic; Neural diseases; Aging process & Others)

Chairman: Wendy Hsiao, Macau U of Sci. & Tech.
Co-chairman: Clara Biksan Lau, Chinese U
Panellist: Zhang Jin Zhang, HKU

Posters 298, **298, 300,** 301, 302, 303, 304, 305, 306, **307, 308, 309, 310, 311, 312**, 313, **314, 315, 316**, 317, **318**, **319**, 320, **321**



Poster 300, Zhou XD; Shi DD; Zhang ZJ Zhang, HKU

Investigated anti-stress effect of **Shexiang Baoxin Pill** in the anxiolytic unpredictable mild stress mice. They found that the pills decreased hypothalamic-pituitary-adrenal hyperactivity, and modulated neurotransmitters in the brain.

Poster 311, Zhao Jia; Rong JH; Lao LX, HKU

Investigated anti-depression effect of **puerarin (from gegen)** in rats with spared nerve injury. The herb reduced the pain via activating ERK,CREB, and BDNF pathways.

Poster 319, Gao Chong; Shen JG, HKU

Baicalin attenuated depression in adult rats suffered from chronic corticosterone-induced olfactory impairment. Baicalin also increased neurogenesis in olfactory bulb and hippocampus in adult rats.

Poster 307, Ran He, Hong-jin Wang and Xiao-yu Xu, Southwest U

Siwu Decoction improved the memory of iron-deficient rats and increase BDNF, TrkB, CamKIIα and CREB-1

Poster 314, , Li XA; Xia WR; Huang GX; Leong WK; Khan I, Hsiao W.L.W., Macau U of Sci. & Tech.

Icariin, derived from *Epimedium herb (yinyanghuo) displayed differential effects on gut microbiota in young and aging mice.*

Poster 316, He Lianhua; ….Lin N. Institute of Chinese Materia Medica, Beijing

Wu-tou decoction markedly reduced the symptoms in collagen-induced arthritis rats and inhibited angiogenesis by suppressing VEGFR2 signalling pathways in HUVEC cells.

Poster 299, Clara Bik-San Lau, Chinese U

Explored **a novel herbal formula** (Schisandrae Fructus, Silymarin, Crataegus Fructus, & Momordica charantia) to treat metabolic syndrome in high-fat-fed mice that developed hyperlipidemia, hyperglycemia, obesity,non-alcoholic fatty liver. The herbal formula reduced weight, liver weight, and liver lipid, but not plasma glucose, or insulin.