Herbal Resources III

(Identification, Formulation and Manufacturing)

Chairman: Prof. Suqin Sun, Tsinghua University

Co-Chairman: Prof. Nianping Feng, Shanghai University of TCM

Prof. Abraham Chan, PuraPharm International (HK) Ltd

Panelist: Prof. Hubiao Chen, Hong Kong Baptist University

Summary

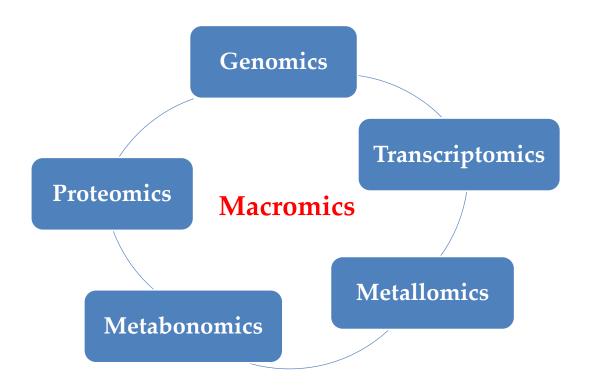
- ➤ 18 Abstracts accepted (128~145)
- Regions: Beijing, Chongqing, Guangzhou, Hong Kong, Jiangxi, Macau, Thailand, Shanghai, Taipei and Zhejiang
- ➤ Poster: 10
- > 7 short lectures have been presented and discussed
- ➤ Participants: ~80
- ➤ Discussion time: Aug. 24, 4:30~6:45 pm
- ➤ Topics: Identification, formulation & manufacturing



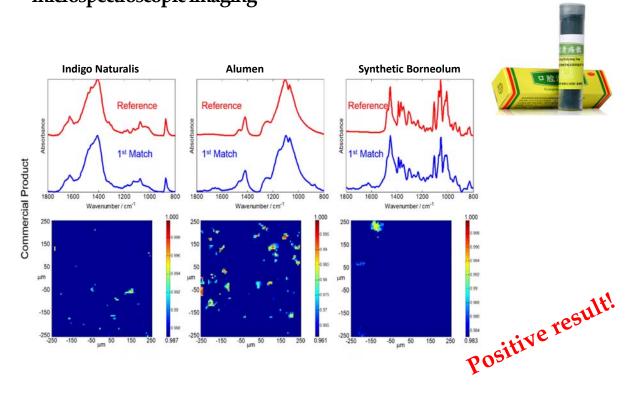
Identification

No	Title	Institute	Corresponding author
132	Infrared Spectroscopic " Macromics "	Tsinghua University	Suqin Sun
131	Direct and Simultaneous Detection of Organic and Inorganic Ingredients in Herbal Powder Preparations by FT-IR Microspectroscopic Imaging	Tsinghua University	Qun Zhu
144	Effects of Taiwanese Endemic Plants on Free Radical Scavenging Activities and Chemical Contents Analysis	Taipei Medical University	Mei-Hsien Lee
138	Screening for Potential α -Glucosidase Inhibitors in Oolong Tea by Ultrafiltration LC-TOF-MS	Hong Kong Baptist University	Tao YI
135	The Optimization of Determination for Astragaloside IV in Astragali Radix	Jinan University	Hui Cao
137	Full Component Quantitative Analyses of YinHuang Drop Pill	Hong Kong Baptist University	Quan Bin Han

Concept of " Macromics "



Organic and inorganic ingredients in herbal powder preparations could be directly and simultaneously detected of by FT-IR microspectroscopic imaging



Effects of Taiwanese endemic plants on free radical scavenging activities and chemical contents analysis

> Heavy metal contents of Taiwanese endemic plants

Samples	Cd (ppm)	Pb (ppm)	As (ppm)	Hg (ppm)	Cu (ppm)
LRS	ND	ND	ND	ND	8.02
LRL	ND	ND	ND	ND	2.28
MDS	0.67	15.25	ND	ND	6.64
MDL	0.53	ND	ND	ND	5.88

ND: Non-detected

Testing method: Taiwan Herbal Pharmacopeia, USEPA SW-846 M3051

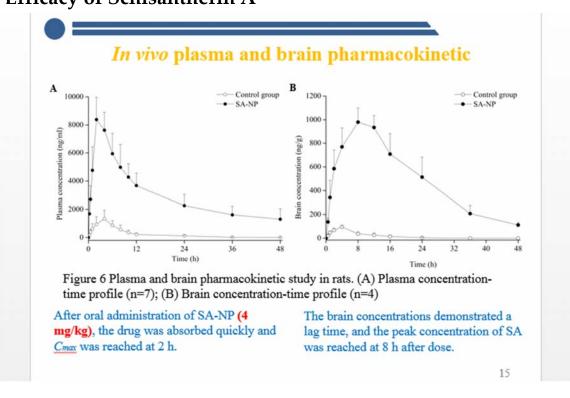
Cd (Cadmium) contents of MDS and MDL were more than the standard amount of 0.10 ppm. Pb (Plumbum) content of MDS was more than the standard amount of 2.00 ppm. Other heavy metal contents were not exceeded.

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Formulation

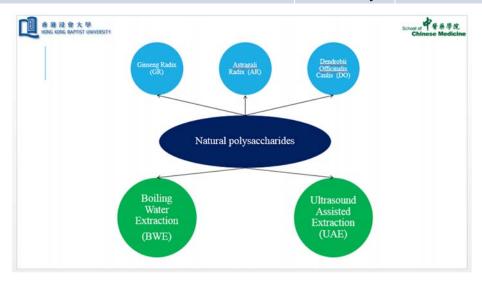
No	Title	Institute	Corresponding author
140	Small-sized mPEG-PLGA Nanoparticles with Sustained Release for Enhanced Brain Uptake and Anti-Parkinsonian Efficacy of Schisantherin A	University of Macau	Ying Zheng
143	Speranskia Tuberculata Essential oil- mediated Ethosomes Increase Paeoniflorin Absorption in the Synovium: Optimization, Characterization, and Evaluation In Vitro and In Vivo	Shanghai University of Traditional Chinese Medicine	Nianping Feng
141	Nanostructure Lipid Carriers Coated with Bioadhesive Polymer for Buccal Drug Delivery	Naresuan University	Kavee Srichaivatana
142	Effect of Clay Minerals on Permeability of Mangosteen Peel Extracts Solid Dispersions Across Porcine Epidermis	Naresuan University	Suchiwa Pan-On

Small-sized mPEG-PLGA Nanoparticles with Sustained Release for Enhanced Brain Uptake and Anti-Parkinsonian Efficacy of Schisantherin A



Manufacturing

No	Title	Institute	Corresponding author
136	Ultrasound-assisted extraction differently impacts polysaccharides from herbal medicines	Hong Kong Baptist University	Hubiao Chen



Ultrasound-assisted extraction differently impacts polysaccharides from herbal medicines

