



Good Practice in Traditional Chinese Medicine Research Association 中医药规范研究学会



September-October 2022 Newsletter

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Event in celebration of the 10th Anniversary of GP-TCM TA

i GP-TCM RA Good Practice-based Workshop (online), 29 November 2022

GP-TCM RA Good Practice-based Workshop (online) will be held on 29 November 2022 (Tuesday, UK time 8:00 am – 1:00 pm or China time 4:00 pm – 9:00 pm). Please kindly note that registration is free but is required (use the registration link on the attached poster).



GP-TCM RA ONLINE WORKSHOP



NOVEMBER
29th 2022

UK time 8 am – 1 pm (China time 4 – 9 pm)

Workshop topic

*GxP-in TCM research
and development:
From science-based
research to (Argo-)
industrial production*

Invited speakers

Tjalling Erkelens (GxP for production approved by the authority)
Monique Simmonds (The role of botany, identification and evidence for GxP production)
Albert Chen (GMP and QC from plant to formulation in large scale industrial production)
Vincent CH Chung (Workable and pitfalls for clinical trials guidelines)
Thomas Friedemann (Evidence based TCM formulations in clinical trials)
Adam Cohen (The era of value-based trials: From working to helping and back)
Juerg Gertsch (Pharmacology of complex mixtures for registration as medicine)
Edwin Lipperts (Interference of TCM with other western pharmaceutical drugs)
Pang Chui Shaw (Is the block chain approach a suitable tool for ensuring the GxP)



Free Registration:



<https://forms.gle/3TyefTwTdeTkrsr48>

Organized by Dr. Mei Wang and Prof. Dr. Rob Verpoorte



ii GP-TCM RA Annual General Meeting (online), 12 December 2022

GP-TCM RA AGM will be held online on 12 December 2022 (Monday) at 8:30 am – 10:00 am UK time (4:30 pm – 6:00 pm China time). All members are encouraged to attend.





The highlights of the 10th GP-TCM RA Annual Meeting (virtual)

Written by Clara Bik-San Lau, Secretary-General and President-Elect of GP-TCM RA

The year 2022 marks the 10th Anniversary of our Association, which was founded in Leiden, The Netherlands in April 2012. In celebration of the 10th Anniversary, the 10th GP-TCM RA Annual Meeting was originally planned as a face-to-face meeting to be held in Leiden. However, due to the current pandemic situation, the Annual Meeting was once again changed to a virtual meeting. Nevertheless, the 10th GP-TCM RA Annual Meeting (virtual) was successfully held on 22 & 23 September, including 7 keynote speeches and 7 Interest Groups program, with over 5-hours program on each day. This Annual meeting was hosted by Institute of Chinese Medicine of The Chinese University of Hong Kong.

The Meeting started with a welcome message from our President Prof. Monique Simmonds, followed by Dr. Mei Wang as a representative in The Netherlands, the founding place of GP-TCM RA. One of the highlight of the opening ceremony was certainly the 8-minutes celebration slideshow which contained numerous photos on people and events of our Association during the past 10 years, bringing back many happy memories.



The hosts and technical staffs conducted the virtual meeting in Hong Kong



Prof. Monique Simmonds (top) and Dr. Mei Wang (bottom) gave welcome speeches during the opening ceremony



celebration slideshow

The 2-days program started after the group photo taking. A total of 7 distinguished speakers delivered their keynote speeches, and the 7 Interest groups have invited various speakers and panelists for presentations and discussions on their specific topics. The Meeting was in fact very well attended. A total of 314 participants have registered for this 2-days Annual meeting, with 176 participants joined our meeting at different times on Day 1, and a maximum of 119 participants at one time; while 129 participants joined our meeting at different times on Day 2, with a maximum of 82 participants at one time. Most importantly, very positive feedback and encouraging comments have been received from participants after the Meeting.





(Cont.) The highlights of the 10th GP-TCM RA Annual Meeting (virtual)

7 keynote speeches



Prof. Monique Simmonds gave a comprehensive talk on the quality control of plants used in TCM



Prof. Clara Lau talked on the discovery of the new therapeutic value of the medicinal plant *Andrographis paniculata* in esophageal cancer – from preclinical studies to clinical trial



Prof. Yung-Chi Cheng gave an inspiring talk on WE medicine and the development of the systems biology cancer drug YIV-906



Prof. Ka Kit Hui presented on Covid-19 and Chinese herbal medicine – from clinical research to practical use



Prof. Amala Soumyanath gave an interesting talk on the drug development of *Centella asiatica*, a neurologically active botanical



Dr. Chris Kam-Wa Chan talked about the prevention of diabetic nephropathy using individualized Chinese medicines formulae



Dr. Xiao-Yang Hu presented the research on herbal medicine and antimicrobial resistance in Southampton, UK

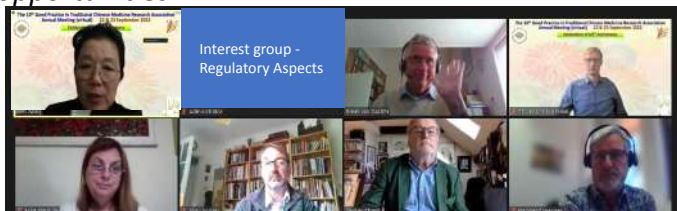


(Cont.) The highlights of the 10th GP-TCM RA Annual Meeting (virtual)

The 45-minutes programs chaired by the 7 Interest Groups

Interest group - Regulatory Aspects

Chairpersons: **Dr. Mei Wang** and **Prof. Gerhard Franz**
Topic: *TCM entering EU markets - challenges and opportunities*



Interest group - Quality Control

Chairpersons: **Prof. Min Ye** and **Prof. Rudolf Bauer**
Topic: *Recent developments in the quality control of Chinese materia medica*



Interest group - Pharmacology and Toxicology

Chairpersons: **Prof. Pierre Duez** and **Prof. Hongxi Xu**
Topic: *Innovations in in vitro toxicology beyond the classical 2D culture models: model organisms and 3D cultures*



Interest group – Publication

Chairpersons: **Prof. Rob Verpoorte** and **Prof. Thomas Efferth**
Topic: *The future: Big data, Open data; Meaningful integration in repositories and the role of good practices*



Interest group - Clinical Studies

Chairpersons: **Prof. Zhaoxiang Bian** and **Prof. Vivian Taam Wong**
Topic: *Clinical trial design and translation to practice*



Interest group - Good Clinical Practice Guidelines

Chairpersons: **Prof. Vivian Taam Wong** and **Dr. Chris Kam-Wa Chan**
Topic: *Is the clinical practice guideline ready for implementation?*



Interest group - Acupuncture – Moxibustion and Meridians

Chairpersons: **Prof. Nicola Robinson**, **Prof. Lixing Lao** and **Prof. Jianping Liu**
Topic: *Developments in acupuncture research*





(Cont.) The highlights of the 10th GP-TCM RA Annual Meeting (virtual)

e-posters presentation



Peter Hylands Prize
in honor of our late Treasurer
Professor Peter Hylands
King's College London, UK

Joint 1st prize
Miss Meng-Ting CHANG
Mr. Huihai YANG
3rd prize
Ms. Kun LI



E-posters judges: Dr. Tai-Ping Fan and Prof. Vivian Taam Wong

	Names of presenting authors	Affiliations	Poster titles
1	Ms. Fai Fai HO	The Chinese University of Hong Kong, HKSAR, China	Prevalence, patterns and clinical severity of Long COVID among Chinese Medicine telemedicine service users: A cross-sectional study
2	Mr. Leonard HO	The Chinese University of Hong Kong, HKSAR, China	Quantification of prevalence, clinical characteristics, co-existence, and geographic variations of traditional Chinese medicine diagnostic patterns via latent tree analysis-based differentiation rules among functional dyspepsia patients
3	Mr. Huihai YANG	The Chinese University of Hong Kong, HKSAR, China	<i>In vitro</i> and <i>in vivo</i> investigations of the anti-metastatic effect of PGG in colorectal cancer
4	Miss Meng-Ting CHANG	National Taiwan University, Taiwan	Phyto-sesquiterpene lactone derivatives induce ferroptosis via GPX4 inhibition and metabolic reprogramming in BRAF inhibitor drug sensitive/resistant melanomas
5	Mr. Guiliang ZHANG	University of Macau, Macau SAR, China	Beneficial effects of novel tetramethylpyrazine derivative (T-006) on cognitive impairment in AD-related mouse models
6	Dr. Sizhao LIU	Minzu University of China, China	Herbal plants traded at the Kaili medicinal market, Guizhou, China
7	Ms. Fan WANG	The Chinese University of Hong Kong, HKSAR, China	Isolation and characterization of anti-influenza phytochemicals from <i>Ilex</i> species
8	Dr. Juwairiya ZULFIQAR	University of Westminster, UK	Hordenine: redox state and mitochondrial functions in malignant and non-malignant breast cell lines
9	Ms. Jie NIU	Jinan University, China	Phospholipid peroxidation-driven modification of chondrogenic transcription factor mediates alkoxyl radicals-induced impairment of embryonic bone development
10	Dr. Fan ZHANG	Guangxi University of Traditional Chinese Medicine, China	Sugarcane leaf polysaccharide (SLP) prevents the development of autoimmune diabetes in NOD mice
11	Dr. Lamia ALIOUCHE	Constantine1 University, Algeria	<i>In vitro</i> antioxidant and antidiabetic properties of different polarity in extracts from the Algerian medicinal plant to the Asteraceae family
12	Dr. Chenwen ZHONG	The Chinese University of Hong Kong, HKSAR, China	Herbal medicine for functional dyspepsia: network meta analysis of placebo controlled randomised trials
13	Miss Jingyu WENG	Jinan University, China	Restraint of lipid peroxidation by rosmarinic acid facilitates its inhibition on stress-augmented HSV-1 susceptibility
14	Ms. Kun LI	Jinan University, China	PLA2G6 mutation affecting DAT function causes learning-deficit hyperactivity disorder in mice
15	Dr. Zijong SONG	The Chinese University of Hong Kong, HKSAR, China	Targeting RBC-mediated hypoxia to alleviate lung injury induced by pyrrolidine alkaloids
16	Ms. Lin YIN	Macau University of Science and Technology, Macau SAR, China	The prebiotic function of <i>Poria cocos</i> polysaccharides attenuates the adverse effects and improves the therapeutic outcome of 5-FU in Apc ^{Min/+} mice
17	Ms. Yueyang PAN	The Chinese University of Hong Kong, HKSAR, China	Hepatotoxicity screening and ranking of structurally different pyrrolizidine alkaloids in zebrafish
18	Dr. Hanène ZATER	Larbi Ben M'Hidi - Oum El Bouaghi University, Algeria	Study of the chemical composition & in vitro evaluation of the antibacterial effect of the essential oil of the fresh aerial parts of an Algerian medicinal plant belonging to the genus <i>Centaurea</i> (Asteraceae)
19	Dr. Guozhen CUI	Zhuhai Campus of Zunyi Medical University, China	Identification of VDAC1 as a potential target of ginkgolide B for myocardial infarction
20	Ms. Alisa RONZHEIMER	Justus Liebig University Giessen, Germany	How to detect and prioritize hormonal compounds in samples?

For more details on the coming events in celebration of our 10th Anniversary, please kindly refer to our website: <http://www.gp-tcm.org/>



i

A ground-breaking discovery by life member Prof Xiaohui Zheng and BoD members Prof Tai-Ping Fan and Prof Mei Wang: "Because DHPLA isolated from Radix Salvia miltiorrhizae has a multitude of pharmacological activities, these data underpin the scientific basis of this medicinal plant's ethnopharmacological applications as well as highlighting the therapeutic potential of endogenous, natural or synthetic DPAs and their derivatives in humans."

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Discovery and therapeutic implications of bioactive dihydroxylated phenolic acids in patients with severe heart disease and conditions associated with inflammation and hypoxia

Yajun Bai^{a,1}, Pu Jia^{a,1}, Ye Zhao^{a,1}, Lingjian Yang^{a,1}, Xiaoxiao Wang^a, Xue Wang^c, Jing Wang^a, Ni'er Zhong^c, Huaxiang Deng^d, Linxiang Du^c, Jiacheng Fang^a, Yanbo Xue^c, Yongyong Chen^a, Shuomo Gao^a, Ying Feng^a, Yi Yan^d, Tianzheng Xiong^d, Jinbin Liu^d, Ying Sun^a, Jing Xie^a, Xirui He^a, Xuexia An^a, Pei Liu^a, Jinjin Xu^d, Fanggang Qin^a, Xue Meng^a, Qian Yin^{c,k}, Qiuxiang Yang^{a,k}, Rong Gao^a, Xiaokang Gao^a, Kai Luo^a, Qiannan Li^a, Xing Wang^a, Jing Liang^a, Puye Yang^l, Yajun Zhang^a, Sha Liao^{a,b}, Shixiang Wang^a, Xinfeng Zhao^a, Chaoni Xiao^a, Jie Yu^a, Qinshe Liu^h, Rui Wang^c, Ning Peng^h, Xiaowen Wang^h, Jianbo Guo^l, Xia Li^l, Haijing Liu^l, Yan Bai^{b,m}, Zijian Li^k, Youyi Zhang^{k,*}, Yefei Nan^{a,j}, Qunzheng Zhang^j, Xunli Zhang^g, Jin'e Lei^c, Erna Albertsⁿ, Angélique de Manⁿ, Hye Kyong Kim^o, Su-Jung Hsu^o, Yu Sheng Jia^e, Joerg Riener^p, Jianbin Zheng^a, Wanbin Zhang^{f,*}, Xiaopu Zheng^{c,*}, Yujie Cai^{d,*}, Mei Wang^{a,e,*}, Tai-Ping Fan^{a,b,*,1}, Xiaohui Zheng^{a,*,1}

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3,4-dihydroxyphenylalanine (DOPA)

ABSTRACT

Our initial studies detected elevated levels of 3,4-dihydroxyphenylactic acid (DHPLA) in urine samples of patients with severe heart disease when compared with healthy subjects. Given the reported anti-inflammatory

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Detail: <https://pubmed.ncbi.nlm.nih.gov/36152740/>



New members of GP-TCM RA (September – October 2022)

Ordinary Members

Lamia Aliouche	Constantine1 University, Algeria
Sandra Arriagada Rios	China Medical University, Taiwan
Leonard Ho	The Chinese University of Hong Kong, Hong Kong SAR, China
Xiao-Yang Mio Hu	University of Southampton, UK
Alisa Ronzheimer	Justus Liebig University Giessen, Germany
Zijing Song	The Chinese University of Hong Kong, Hong Kong SAR, China
Lynn Wei	Université de Mons, Belgium
Jingyu Weng	Jinan University, China
Jun Xu	Uniqueness Acupuncture, London, UK
Keyang Xu	Hong Kong Baptist University, Hong Kong SAR, China
Chak Yeung	Chinese medicine practitioner in Hong Kong SAR, China
Daniel Zaluski	Nicolaus Copernicus University, Poland
Hanène Zater	Larbi Ben M'Hidi - Oum El Bouaghi University, Algeria
Guiliang Zhang	University of Macau, Macau SAR, China
Fan Zhang	Guangxi University of Traditional Chinese Medicine, China
Ying-ying Zhang	Shaanxi University of Chinese Medicine, China
Chenwen Zhong	The Chinese University of Hong Kong, Hong Kong SAR, China
Juwairiya Zulfiqar	University of Westminster, UK





New members of GP-TCM RA (September – October 2022)

Student Members

Meng-Ting Chang	National Taiwan University, Taiwan
Fai Fai Ho	The Chinese University of Hong Kong, Hong Kong SAR, China
Kun Li	Jinan University, China
Sizhao Liu	Minzu University of China, China
Jie Niu	Jinan University, China
Yueyang Pan	The Chinese University of Hong Kong, Hong Kong SAR, China
Fan Wang	The Chinese University of Hong Kong, Hong Kong SAR, China
Lin Yin	Macau University of Science and Technology, Macau SAR, China
Dian Zhao	Chengdu University of Traditional Chinese Medicine, China





China Medical University, Taichung, Taiwan (Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources)	
Dalian Fusheng Natural Medicine Development Co. Ltd., China	
Heilongjiang University of Chinese Medicine, China	
Hong Kong Baptist University (School of Chinese Medicine)	
Hutchison Whampoa Guangzhou Baiyunshan Chinese Medicine Co. Ltd., China	
Infinitus (China) Company Ltd.	
PuraPharm International (H.K.) Ltd., Hong Kong	
Shanghai Hutchison Pharmaceuticals, China	
Shanghai University of Traditional Chinese Medicine, Shanghai, China (School of Pharmacy)	
Zhejiang Chinese Medical University, China (School of Pharmaceutical Sciences)	
Zhengzhou University of Industrial Technology, China	





An update to SPIRIT and CONSORT reporting guidelines to enhance transparency in randomized trials

Author: Sally Hopewell, Isabelle Boutron, An-Wen Chan, Gary S. Collins, Jennifer A. de Beyer, Asbjørn Hróbjartsson, Camilla Hansen Nejtgaard, Lasse Østengaard, Kenneth F. Schulz, Ruth Tunn and David Moher

Journal: *Nature Medicine*



Details: <https://www.nature.com/articles/s41591-022-01989-8>

comment



An update to SPIRIT and CONSORT reporting guidelines to enhance transparency in randomized trials

Results from clinical trials can be deemed trustworthy only if they are properly conducted and their methods are fully reported. The SPIRIT and CONSORT checklists, which have improved clinical trial design, conduct and reporting, are being updated to reflect recent advances and improve the assessment of healthcare interventions.

Sally Hopewell, Isabelle Boutron, An-Wen Chan, Gary S. Collins, Jennifer A. de Beyer, Asbjørn Hróbjartsson, Camilla Hansen Nejtgaard, Lasse Østengaard, Kenneth F. Schulz, Ruth Tunn and David Moher

Well-designed and properly executed randomized trials provide the most reliable evidence on the benefits and harms of healthcare interventions. Ensuring transparent and complete reporting is essential in order to assess the reliability and reproducibility of randomized trials¹. Attention has been drawn to problems with the entire research process, from the research questions being asked and the methods used to conduct research, through to how studies are reported².

Informative critical appraisal of the quality of randomized trials is possible only if their design, conduct and analysis are thoroughly and accurately reported. However, there is overwhelming evidence that the completeness of the reporting of randomized trials is suboptimal³, which means that healthcare providers, patients and the scientific community cannot reliably distinguish research that is more trustworthy from research that is less trustworthy. The rapidly expanding number of COVID-19-related clinical trials has highlighted the urgent need for complete and timely reporting of study methods and results to inform patient care and public health policy. During the COVID-19 pandemic, a large 'living' (continually updated) systematic review showed that 43% of 251 trials did not report information related to the randomization process; half did not report complete information related to the beneficial effect; and 86% provided insufficient information on any harms⁴.

Incomplete reporting

Trials with inadequate methods are associated with bias, especially exaggerated treatment effects. A study of 234 unique meta-analyses containing 1,973 trials found that

intervention effect estimates were exaggerated in trials with inadequate or unclear random-sequence generation, inadequate or unclear allocation concealment, and/or lack of or unclear blinding⁵. Without a complete published description of the intervention, researchers are unable to replicate or build on research findings. This leaves clinicians, patients and other decision-makers unclear about how to reliably implement an effective intervention and apply the results of trials in clinical practice^{6,7}.

Without clear reporting of trial methods and results, readers are unable to judge the reliability and validity of trial findings and extract information for systematic reviews. For example, a study showed that 41% of randomized trials included in systematic reviews were at unclear risk of bias in at least one domain of assessment, mainly because of incomplete reporting⁸. Trial protocols are also important because this pre-specifies the methods used in the trial, such as the primary outcome, and thereby reduces the likelihood of undeclared post-hoc changes to the trial, such as outcome switching. Prevalent practices, such as unclear reporting of methods and primary outcome switching, result in a distortion of the evidence base⁹.

Issues around poor reporting of research are arguably one of the aspects of research waste that is easiest to fix, as highlighted by Doug Altman in 1996, who pointed out that "readers should not have to infer what was probably done, they should be told explicitly"¹⁰. Efforts to improve the reporting of randomized trials gathered impetus in the mid-1990s (Box 1) and resulted in publication of the Standardized Reporting of Trials (SORT) Statement and Asilomar guidelines in 1994. Those initiatives then led to publication of the CONSORT (Consolidated Standards of Reporting

Box 1 | Timeline for development of the SPIRIT and CONSORT Statements.

1994: Alisomar guidelines published
1994: SORT statement published
1996: CONSORT statement first published
2001: Updated CONSORT statement published
2007: SPIRIT initiative launched
2008: EQUATOR network launched
2010: Updated CONSORT statement published
2013: SPIRIT statement published
2022-2023: SPIRIT-CONSORT update planned

Trials) Statement in 1996 (ref. ¹¹), which was revised in 2001 (ref. ¹²) and last updated in 2010 (ref. ¹³), along with an updated CONSORT Explanation and Elaboration article, with a strong pedagogical focus¹⁴. Similar problems with the lack of clear and transparent reporting of trial protocols led to the development of the SPIRIT (Standard Protocol Items: Recommendations for Interventional Trials) Statement, published in 2013 (ref. ¹⁵), and its accompanying Explanation and Elaboration document¹⁶ that explained and illustrated the principles underlying the statement.

SPIRIT and CONSORT are evidence-based guidelines that comprise a checklist of essential items that should be included in protocols and primary reports of completed randomized trials, respectively, and include a diagram that documents the flow of participants through a trial. The statements provide guidance to authors on the minimum information that should be included in the reporting of trials in order to ensure that trial protocols and trial reports are clear, complete and transparent^{13,14}.

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2022
Dec.

The 4th Sino-CPLP Symposium on Natural Medicine and Biodiversity Resources (SNMBR) & The International Forum on Research and Development of Traditional Chinese Medicine Industry (Macao)



Date: 2-5/12/2022

[Please click here for more details](#)

Registration



The 4th Sino-CPLP Symposium on Natural Medicine and Biodiversity Resources (SNMBR) & The International Forum on Research and Development of Traditional Chinese Medicine Industry (Macao)



**第四届中国-葡语系国家天然药物和生物多样性资源研讨会暨
中医药研究与产业发展国际论坛（澳门）**

**2-5 December 2022
University of Macau
2022年12月2-5日
澳门大学**

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Topic	Special Issue "Natural Products for Drug Discovery and Development"
Deadline	20-November-2022
Details	https://www.mdpi.com/journal/processes/special_issues/Natural_Drug
 Editor(s)	<p>Antony Kam, Nanyang Technological University, Singapore</p> <p>Shining Loo, Nanyang Technological University, Singapore</p> <p>Simon Ming-Yuen Lee, University of Macau, Macao, China</p> 





AMM Journal



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Queries	Any enquiries about the journal can be sent to editorialoffice@amm-journal.org

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Manager Regulatory Affairs China, Regulatory Affairs Department, Karlsruhe-Durlach headquarters



**Unternehmensgruppe
Dr. Willmar Schwabe**
From Nature. For Health.

From Nature. For Health. Dr. Willmar Schwabe is the world's leading manufacturer of herbal medicines. As a family-owned company with over 150 years of history and around 4,000 employees worldwide, we stand for products of exceptionally high quality. To promote the health of people all over the world, we rely on modern research, customer orientation and competent and motivated employees.

For our Regulatory Affairs department at our Karlsruhe-Durlach headquarters, we are looking for a

Manager Regulatory Affairs China (m/f/d)

Your responsibilities

- Planning, coordination and administration of registration processes for herbal active ingredients and medicinal products abroad with a focus on China
- Preparation and maintenance of English-language registration documents with focus on country-specific requirements as well as timely procurement and review of country-specific registration documents in close coordination with the specialized departments
- Preparation of electronic authorization documentation in eCTD format
- Regulatory Intelligence China

Your profile

- Successfully completed studies in pharmacy or other natural sciences
- Professional experience in the field of drug registration, preferably in the area of Herbal Medicinal Products
- Experience in dealing with regulatory authorities is an advantage
- Experience with dossier writing, especially of CMC documents desirable
- Business fluent English and Chinese language skills
- Good MS Office skills, ideally knowledge of docuBridge or comparable system (eCTD tool)
- Negotiation skills, ability to work in a team, flexibility, ability to work under pressure
- Intercultural competence and occasional willingness to travel

Your benefits

- A performance-related remuneration with attractive special benefits
- Employer-funded pension care
- Varied portfolio of tasks and job security in a large, growing and future-oriented family business

Next page



Manager Regulatory Affairs China, Regulatory Affairs Department, Karlsruhe-Durlach headquarters



**Unternehmensgruppe
Dr. Willmar Schwabe**
From Nature. For Health.

- Development prospects via continuing education with external providers and at the Schwabe Academy
- Tasty meals in our company canteen
- Health care by our own company medical service directly on site

Does this sound good? We look forward to hearing from you!

Please send us your application, preferably by email, indicating the reference number **05RA_S60005268**, including salary requirements and earliest possible starting date: karriere@schwabe.de

Do you still have questions about our job offer?

Please feel free to contact Mrs. Viola Gebhardt, phone (+49) 721 4005 9653. Further information about Dr. Willmar Schwabe can be found on our website: www.schwabe.de/karriere



ii

High-level or Young Talents with Overseas Work Experience in 2022

Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences (ICCM,CACMS) is seeking 1-2 high-level or young talents with overseas work experience in accordance with various 2022 National Talent Programs to promote the sound development of talents and disciplines.



Details: <http://www.icmm.ac.cn/Article/tzgg/2022/03/03/2440.html>

Details in English: https://uofmacau-my.sharepoint.com/:f:/g/personal/jesskuok_umac_mo/EkR-cgGr-HZPizDKNpOGQ7oB2KYviavj-u3C4H1De6m_JQ?e=Ay7SoD



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

iii

Full/Associate/Assistant Professor in Chinese Medicine,
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_cm_faa_07_2022/

iv

Full/Associate/Assistant Professor in Chinese Medicine
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_cm_faa_03_2022/

v

Full/Associate/Assistant Professor in Pharmaceutical Regulatory Sciences
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_prs_faa_03_2022/



香港大學
THE UNIVERSITY OF HONG KONG

vi

Tenure-Track Associate Professor / Assistant Professor, School of Chinese Medicine,
The University of Hong Kong



Details: <https://www.careerjet.hk/jobad/hk1a8a53144c6706d90d0c2f1aa2e96e7f>



香港中文大學
The Chinese University of Hong Kong

vii

Research Assistant(s), Institute of Chinese Medicine,
The Chinese University of Hong Kong



Details: https://cuhk.taleo.net/careersection/cu_career_non_teach/jobdetail.ftl?job=210002PD&tz=GMT%2B08%3A00&tzname=Asia%2FMacau

viii

Postdoctoral Fellow(s), Institute of Chinese Medicine,
The Chinese University of Hong Kong



Details: https://cuhk.taleo.net/careersection/cu_career_non_teach/jobdetail.ftl?job=210002PE&tz=GMT%2B08%3A00&tzname=Asia%2FMacau





香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Research Assistant Professor, School of Chinese Medicine,
Hong Kong Baptist University

ix



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6572&f=job_details

Post-Doctoral Research Fellow,
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

x



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6742&f=job_details

Research Assistant Professor (Chinese Herbal Medicine and Gut Microbiology),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xi



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6740&f=job_details

Research Assistant Professor (Gut Immunology),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xii



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6739&f=job_details

Research Assistants (Basic Science),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xiii



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6741&f=job_details

Research Coordinator,
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xiv



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6736&f=job_details

Senior Research Assistant (Clinical),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xv



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6738&f=job_details



Student's Corner

Postgraduate Opportunities

Opportunities in Europe

Germany



https://academicpositions.com/ad/cologne-graduate-school-ageing-research-cga/2022/12-fully-funded-phd-positions/181690?utm_source=facebook&utm_medium=cpc&utm_campaign=scm-cga-092022+med-hi



<https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/humboldt-research-fellowship>



<https://www.daad.de/en/study-and-research-in-germany/>



Postgraduate Opportunities

Opportunities around the world

Graz - Austria



<https://agristok.net/2022/09/03/phd-fully-funded-position-in-plant-molecular-biology-at-university-of-graz-in-austria/>

International



https://jobs.msd.com/gb/en/job/R197090/Scientist-Medicinal-Chemistry/?utm_source=linkedin&utm_campaign=job-share&utm_medium=social-share

Denmark



<https://www.dtu.dk/om-dtu/job-og-karriere/ledige-stillinger/job?id=d2e2591d-1d14-43ff-8557-6e6ce0fc3a58>



Postgraduate Opportunities

Opportunities around the world

Australia



University of Melbourne

<https://lnkd.in/dxjXv-JJ8>



Ireland



Irish Research Council

<https://research.ie/funding/>

Singapore



<https://lnkd.in/dra7MV8>



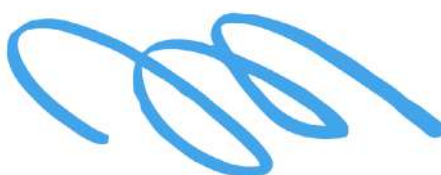
Scientists wanting to go into business – fully Undergraduate/ Postgraduate/ PhD graduate degrees in Management – Basic degree multi centre with significant funding

– **VERY INTERESTING PROGRAMME**

<https://www.spjain.ae>

UK: register for job alerts

<https://charnwoodmolecular.livevacancies.co.uk/#/>





Freely Accessible Learning Material

Interesting articles

Studying abroad



https://www.science.org/content/article/doing-research-abroad-felt-lonely-heres-how-i-made-friends?utm_campaign=SciMag&utm_source=Social&utm_medium=LinkedIn

Intellectual property



https://micheonip.com/intellectual-property-non-disclosure-agreement/?utm_campaign=Michelson&20Institute%20for%20intellectual%20Property&utm_content=212335938&utm_medium=social&utm_source=linkedin&hss_channel=lcp-42772499

like

Freely Accessible Learning Material

Online learning Platforms



Fantastic resource. Courses from all disciplines. Free to study. Accreditation available at a cost. Well worth exploring

- <https://www.edx.org/>
- <https://englishforuniversity.com/resources/>
- <https://owl.purdue.edu/>



Webinar- How To Avoid Plagiarism?

Webinar to give information re plagiarism

- <https://www.youtube.com/watch?v=sHhGY4c61v4>
- <https://www.youtube.com/watch?v=33R43YF9DzI>





Freely Accessible Learning Material

Free Lecture series

Integrative Medicine Research Lecture Series

Information and resources from the National Center for Complementary and Integrative Health, U.S. National Institutes of Health (NIH).

- www.nccih.gov

GREAT SELECTION OF WEBINARS

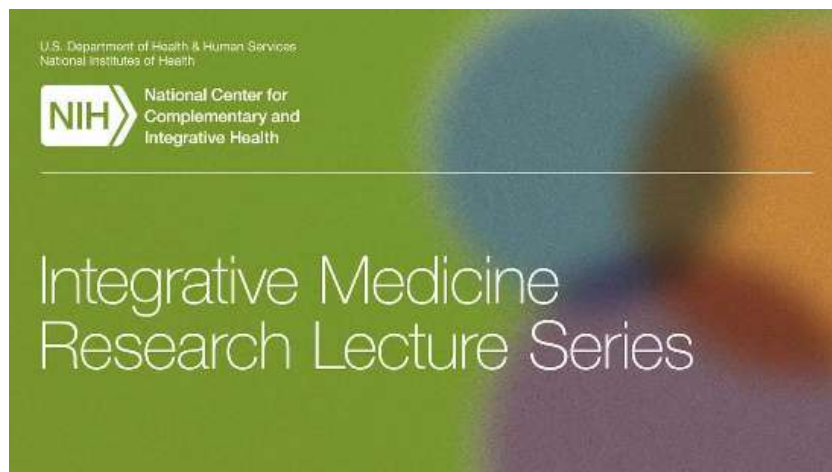
- <https://www.herbalgram.org/news/webinar-page/>



KEEP AN EYE ON

<https://www.pharmacognosy.us/>

<https://www.herbalgram.org>



<https://www.nccih.nih.gov/news/events/imlectures?nav=li>



Great Selection of Webinars - From the Sustainable Herbs Programme

Botanical Supply Sustainability in the Time of COVID

- <https://vimeo.com/457513678>

Plants, People & Culture: The Science of Ethnobotany

- <https://vimeo.com/460565477>



The Business Case for Sustainability

- <https://vimeo.com/465447452>

Cross-cultural Understanding of Local Herbal Knowledge and Chinese traditional Daodi Materia Medica

- <https://vimeo.com/668389245>

Sourcing Botanicals and Quality Control: A Conversation with Michael Heinrich and Anthony Booker

- <https://vimeo.com/642467580>

Introducing the WildCheck Report: Assessing Risk & Opportunities of Trade in Wild Plant Ingredients

- <https://vimeo.com/704246800>

Certifications as a Path to Sustainability? A Conversation about the Opportunities and Limits of Certification

- <https://vimeo.com/540314958>



AND MANY MORE

<https://vimeo.com/457513678>





Buchi Mini series of webinars – covering Drug Discovery Using Natural Resources



The speaker: Prof. Dr. Elfahmi

There is a separate registration requirement for each webinar.

https://cloud.infohub.buchi.com/drug-discovery/with-prof-elfahmi?utm_source=email1&utm_medium=email&id=00Q3X00001MfiqzUAB&id_mc=34316261&utm_campaign=gl-2022-webinars-mini-webinars-with-prof-elfahmi&cloudpage_id=4865&cloudpage_id2=&cloudpage_id3=



Episode 1: Drug Discovery and Development Workflow

Discover four essential steps in drug discovery and development: literature review & preliminary screening, biology development, physiochemical & pharmaceutical development. Gain a process overview for the isolation of active compounds from plants using bioactivity-guided fractionation.



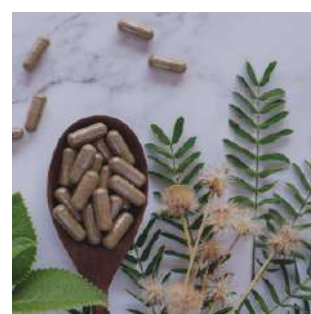
Episode 2: Concentration of Natural Products

Explore the workflow for processing of natural compounds: sampling & crushing, extraction & concentration; fractionation & purification; structure identification and product packaging. Learn about extract/fraction concentration through solvent removal by rotary evaporation. Find challenges and solutions to efficiency, foaming, bumping, plus optimization tips for temperature difference, pressure values, flask size, rotation speed and condenser loading.



Episode 3: Purification Techniques for Natural Products

Learn fundamentals and protocols for relevant methods, including liquid-liquid fractionation (phase separation), winterization, microporous resin chromatography, flash and vacuum liquid chromatography, radial chromatography, crystallization, preparative column chromatography. See it in action with a case study on the purification of asiaticoside & madecassoside from *Centella asiatica*.



Episode 4: Past, Present and Future of Herbal Medicines

Gain a comprehensive overview of the history of plant use in drugs and pharmacy, including milestones in the development of herbal medicines. See current global use, benefits and challenges facing alternative or traditional medicine. Look into the future of herbal medicine development with predictions on how this branch will develop.





International Conferences

Conference information

Lots of interesting and relevant conferences to be found at these links.

Traditional medicine Conferences in 2023

- <https://waset.org/traditional-medicine-conferences-in-2023>



Phytochemistry Conferences

- <https://waset.org/phytochemistry-conferences>

2nd Global Summit on Traditional and Alternative Medicine (GSTAM2023) will be held in Osaka, Japan during April 24-26, 2023

- <https://www.thescientistt.com/2023/traditional-medicine-summit>

International Conferences

GA Conference Trinity College Dublin Ireland

NatPro, the trinity Centre for natural product Research, is privileged to host the 71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) at Trinity College Dublin, taking place from 2nd to 5th July 2023.

<https://www.tcd.ie/natpro/events>

This will be the first time the GA Congress will be held in Ireland and will involve four days of international science and networking opportunities through a program of plenary lectures, keynote presentations, short lectures, workshops and exhibitions. Further, it will be an opportunity to visit the Emerald Isle!



71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)

2-5 July 2023 Trinity College Dublin Ireland

Join us at Trinity College Dublin

located in a beautiful campus in the heart of Dublin's city centre, a location with history that spans over 400 years and Ireland's highest ranked university.

Visit the Emerald Isle
Embrace the Irish spirit that blends traditions with innovation.
Ireland Awaits You!

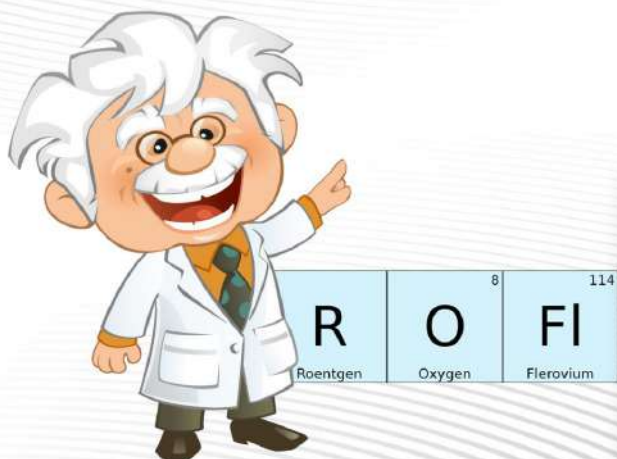
For more information, visit:
GA2023 Congress website: www.gadublin2023.com
GA homepage: www.ga-online.org
Contact email: ga2023@abbey.ie





Scientific Jokes

A photon checks into a hotel.
 "Do you have any bags?"
 "No, I'm traveling light."

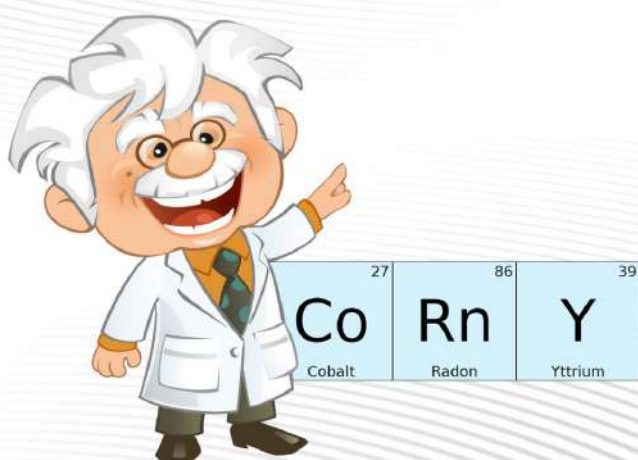


Q: How much space do you need to grow fungi?
 A: As mushroom as possible!

"Love is in the air."
 "No it isn't. Nitrogen, Oxygen & Carbon Dioxide is in the air."



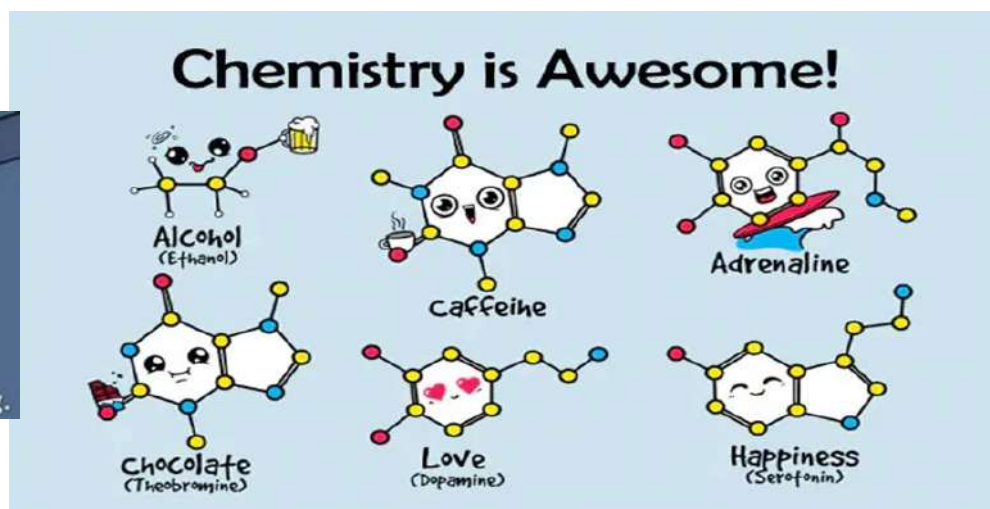
Two tectonic plates walk into a bar.
 One bumps into the other and says
 "Sorry, my fault."



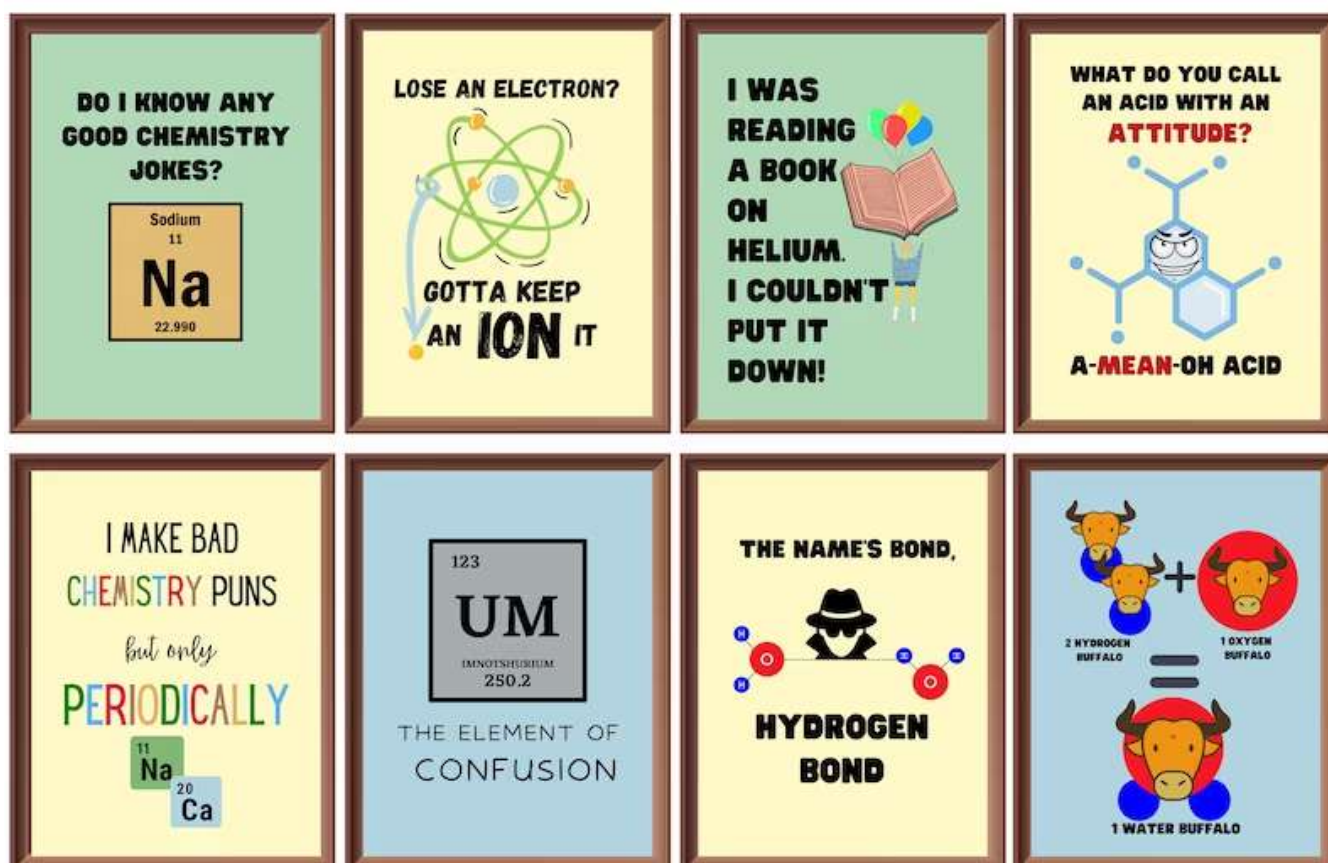
Q: Why did the chemist coat his shoes with silicone rubber?
 A: He wanted to reduce his carbon footprint.



Scientific Jokes



A Hydrogen atom walks into a bar.
 The barman says: "What's the matter? You don't look yourself today."
 The Hydrogen atom says: "I think I've lost my electron."
 The barman asks: "Are you sure?"
 The Hydrogen atom replies: "Yes, I'm positive."





Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

i

China Scholarship Council (CSC) – Trinity College Dublin Joint Scholarship Programme



Details: <https://www.tcd.ie/study/international/scholarships/Postgraduate/csc.php>





香港中文大學中醫學院

School of Chinese Medicine
The Chinese University of Hong Kong



PhD in Chinese Medicine

School of Chinese Medicine ,
The Chinese University of Hong Kong



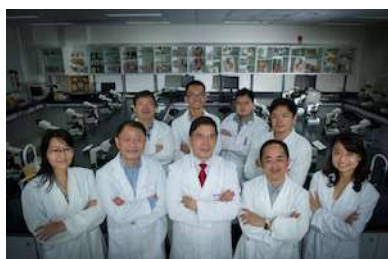
Details: <http://www.scm.cuhk.edu.hk/en-gb/programs/research-master-doctoral-program/phd-in-chinese-medicine>

i



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

School of 中醫藥學院
Chinese Medicine



Doctor of Philosophy (PhD) in Biomedical Sciences/
Chinese Medicine/ Translational Medicine/ Pharmacy in
Chinese Medicine

School of Chinese Medicine, Hong Kong Baptist University



Details: https://scm.hkbu.edu.hk/en/education/research_postgraduate_programmes/index.html#list/0

ii



LKS Faculty of Medicine
The University of Hong Kong
香港大學李嘉誠醫學院



中醫藥學院



PhD in Chinese Medicine

School of Chinese Medicine, The University of Hong Kong



Details: <https://scm.hku.hk/Views/Programme/English-MPhilPhD.html>

iii



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



中藥質量研究國家重點實驗室 (澳門大學)
Laboratório de Referência do Estado para Investigação de
Qualidade em Medicina Chinesa (Universidade de Macau)
State Key Laboratory of Quality Research in Chinese Medicine
(University of Macau)

中華醫藥研究院
Instituto de Ciências Médicas Chinesas
Institute of Chinese Medical Sciences



Doctoral Degree in Biomedical Science

Institute of Chinese Medical Sciences, University of Macau

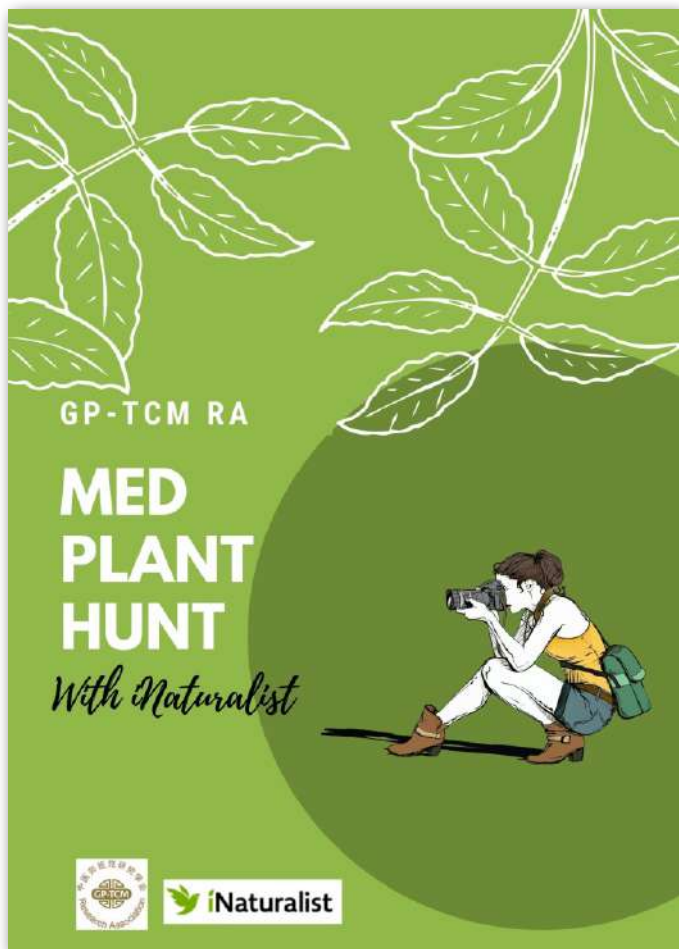


Details: <https://sklqrcm.um.edu.mo/doctoral-degree-in-biomedical-science/>

iv

Med Plant Hunt with iNaturalist

i



In order to promote conservation of wildlife, especially wild medicinal plant and TCM herbs, and their environment, a challenge on **“Med Plant Hunt”** is launched.

The aim of challenge is to encourage our members to identify and recognize the morphological features of living wild medicinal plant in nature.

Eligibility:

Med Plant Hunt is free and open to all GP-TCM RA members.

Entries must abide by the guidelines below.

Rules & Guidelines:

iNaturalist is a nature app to help you identify the animals and plants around you and provide a platform to connect you and experts to share about nature. Users can record and share their observations and the findings can enrich scientific data repositories like the Global Biodiversity Information Facility.

Create your own account and share your wild medicinal plant observation to mobile iNaturalist app or iNaturalist website.

How to enter:

1. Complete the registration form with iNaturalist user ID.
2. Make the observation of living wild medicinal plant around you with iNaturalist app/website.
3. With the submitted iNaturalist ID, your observation for entry will be automatically recorded and results will be announced in the coming issue of the newsletter.



How to join



Registration form



How to upload

For inquiries about Med Plant Hunt, please send email to

gptcm_medplanthunt@outlook.com



Med Plant Hunt with iNaturalist

i

Prizes:

- **Adventurous Observer:** The highest number of observed species
- **TCM Photographer:** Best photo shoot
- **Lucky Observer:** Observe rare species



The selected entries will be published on the next issue of the newsletter. An electronic certificate and a **complementary gift** (e.g. water bottle ideal for outdoor activities, sponsored by Macau Pharmacology Association) will be given.



澳門藥理協會

MED PLANT HUNT

With iNaturalist

Med Plant Hunt Registration Form

Name:

Email:

Affiliation:

Country or region:

iNaturalist account information

User name:

User email:

(Please send the form to  gptcm_medplanthunt@outlook.com for registration)



Online registration



How to join



Registration form



How to upload



Vietnamese sophora (*Sophora tonkinensis*, Fabaceae, 越南槐, left) and Asiatic moonseed (*Menispermum dauricum*, Menispermaceae, 蝙蝠葛, right)



Mainly distributed in southern and southwest China such as Guangxi, Guizhou and Yunnan, the dried root and rhizome of Vietnamese sophora (*sophorae tonkinensis radix et rhizoma*) is known as the Chinese medicinal *shandougen* (mountain bean root) or *guangdougen* (Guangxi bean root). It clears heat, resolves toxicity, reduces swelling, and benefits the throat. It is most appropriate for treating the syndrome of accumulation of heat toxin, manifested as swollen and sore throat, pain of the gums and teeth, and canker sores. *Sophorae tonkinensis radix (et rhizoma)* is listed in the 31 **toxic** Chinese herbal medicines specified in Schedule 1 of the Chinese Medicine Ordinance of Hong Kong.

Mainly distributed in northern and northeast China such as Inner Mongolia, Liaoning and Shandong, the dried rhizome of Asiatic moonseed (*menispermum rhizoma*) is known as the Chinese medicinal *beidougen* (northern bean root). It clears heat and resolves toxicity, and is indicated for the syndrome similar to that of *shandougen*. It also dispels wind and stops pain, and is indicated for wind-damp painful obstruction, which is somehow similar to that of the Chinese medicinal *fangji* (*stephaniae tetrandrae radix*) of Menispermaceae. *Menispermum rhizoma* and *stephaniae tetrandrae radix* are included in the 574 common Chinese herbal medicines specified in Schedule 2 of the Chinese Medicine Ordinance of Hong Kong.

For the assurance of safety and efficacy, Chinese medicinals must be applied under the guidance of traditional Chinese medicine theories by qualified professionals.

越南槐

黄花草叶向阳开
茎细根强唤作槐
欲觅南寻高望处
又闻已入咽中来

蝙蝠葛

直根茎细是为葛
纸叶心形或近膜
黄绿花来北部逢
痛时岂可束高阁

The above colour photographs, English texts and Chinese poems are contributed by Prof **Hubiao Chen** (Hong Kong), Dr **Ping Guo** (Hong Kong) and Prof **Jiqing Liu** (Shenzhen), respectively. This column is advised by Prof **Zhongzhen Zhao** (Hong Kong).

Just click here to enjoy the video: https://uofmacau-my.sharepoint.com/:v:/g/personal/jesskuok_umac_mo/ET9NIXSeIq1Nm710w9jbDdMBtwFxFxWdrcQrYKj4SPs6347g?e=9rZiQV



Vietnamese sophora (*Sophora tonkinensis*, Fabaceae, 越南槐, left) and Asiatic moonseed (*Menispermum dauricum*, Menispermaceae, 蝙蝠葛, right)



The September-October 2022 Newsletter
of GP-TCM Research Association
I Chinese Materia Medica Highlights



Just click here to enjoy the video: https://uofmacau-my.sharepoint.com/:v/g/personal/jesskuok_umac_mo/ET9NIXSeIq1Nm7I0w9jbDdMBtwFwWdrcQrYKj4SPs6347g?e=9rZIQV

The September-October 2022 Newsletter
of GP-TCM Research Association
I Chinese Materia Medica Highlights

越南槐

蝙蝠葛

Chinese poetry recitation in Mandarin and Cantonese

Vietnamese sophora (*Sophora tonkinensis*, Fabaceae)

越南槐

Poetry recitation in Mandarin

又	欲	茎	黄
闻	觅	细	花
已	南	根	革
入	寻	强	叶
咽	高	唤	向
中	望	作	阳
来	处	槐	开

Asiatic moonseed (*Menispermum dauricum*, Menispermaceae)

蝙蝠葛

Poetry recitation in Cantonese

痛	黄	紙	直
時	綠	葉	根
豈	花	心	莖
可	來	形	細
束	北	或	是
高	部	近	為
閣	逢	膜	葛

Vietnamese sophora (*Sophora tonkinensis*, Fabaceae, 越南槐) and Asiatic moonseed (*Menispermum dauricum*, Menispermaceae, 蝙蝠葛)

Mainly distributed in southern and southwest China such as Guangxi, Guizhou and Yunnan, the dried root and rhizome of Vietnamese sophora (*sophorae tonkinensis* radix et rhizoma) is known as the Chinese medicinal *shandougen* (mountain bean root) or *guangsdougen* (Guangxi bean root). It clears heat, resolves toxicity, reduces swelling, and benefits the throat. It is most appropriate for treating the syndrome of accumulation of heat toxin, manifested as swollen and sore throat, pain of the gums and teeth, and canker sores. *Sophorae tonkinensis* radix (et rhizoma) is listed in the 31 **toxic** Chinese herbal medicines specified in Schedule 1 of the Chinese Medicine Ordinance of Hong Kong.