



中药全球化联盟

CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



Regional Report

European Chapter

Report by Prof. Dr. Rudolf Bauer,
Chairman of the European Chapter of CGCM



中药全球化联盟

CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



Member Institutes of European Chapter

Austria			
#06	Medical University of Vienna	Ma	Yan
#07	TCM Research Center Graz, University of Graz and Medical University of Graz	Rudolf Bauer	Gerhard Litscher
Czech Republic			
#32**	Czech TCM Fund affiliated to the University Hospital Hradec Kralove	Jan Ruzicka, MBA	
Denmark			
#33	The University of Aarhus		
Germany			
#36	German-Chinese Research Foundation of TCM (Deutsch-Chinesische Forschungsgemeinschaft)	Johannes	Greten
#37	HanseMerkur Center for TCM at the University Medical Center Hamburg Eppendorf	Roland	Salchow
#38	Johannes Gutenberg University Mainz	Thomas	Efferth
#39	University of Munich	Hildebert	Wagner
Italy			
#60	University of Cagliari	Enzo	Tramontano
#61	Sardegna Ricerche	Giovanni	Biggio
#62	The University of Florence	Anna Rita	Bilia
The Netherlands			
#129	Sino-Dutch Centre for Preventive and Personalized Medicine (SD-PPM)	Jan	van der Greef



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#32**	Czech TCM Fund affiliated to the University Hospital Hradec Kralove	Jan Ruzicka, MBA	
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Denmark

#33	The University of Aarhus		
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Germany

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#61	Sardegna Ricerche	Giovanni	Biggio
#62	The University of Florence	Anna Rita	Bilia

The Netherlands

#129	LU-European Center for Chinese Medicine and Natural Compounds	Mei	Wang
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The GP-TCM Research Association

中医药规范研究学会





Board of Directors (2019-2020)

学会领导机构选举和主要任命

- Prof. Aiping Lu, Hong Kong, China, **President**
- Dr. Tai-Ping Fan, Cambridge, UK, **Past President**
- Prof. Monique Simmonds, London, UK, **President Elect**
- Prof. Rudolf Bauer, Graz, Austria, **Founding President**
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- Prof. Min Ye, Beijing, China



In Memoriam

Professor Dr. Peter Hylands

Head, Department of Pharmacy

Head, Institute of Pharmaceutical Science

King's College, London, UK



★1.8.1946 †10.6.2019



7th GP-TCM RA Annual Meeting

Daegu, South Korea, 8-11 July 2019



- 294 participants
- 2 keynote lectures
- 10 plenary lectures
- 71 poster presentations



Kaunas Town Hall



VYTAUTAS
MAGNUS
UNIVERSITY
MCMXXII



First announcement

The 8th Annual Meeting of the Good Practice in Traditional Chinese Medicine Research Association (GP-TCM RA)

hosted by Vytautas Magnus University

venue: Kaunas, Lithuania

8th-9th July 2020



All activities and interesting stories
are published in the monthly

GP-TCM RA Newsletter

Editor in Chief: Qihe Xu,
 Deputy Editors-in-chief:
 Pierre Duez (Mons),
 Yuan Shiun Chang (Taung)



<http://www.gp-tcm.org/news-list/>

The July 2019 Newsletter of The GP-TCM Research Association



Editorials

1. The highlights in July – Face-to-face BoD meeting, 7th Annual Meeting and AGM



Prof. Clara Bik-San Lau
 Secretary-General and BoD member, the GP-TCM RA
 Associate Director of the Institute of Chinese Medicine, The Chinese University
 of Hong Kong (CUHK)
 Associate Director of State Key Laboratory of Research on Bioactivities and
 Clinical Applications of Medicinal Plants, CUHK
 Associate Professor (by courtesy), School of Chinese Medicine, CUHK
 Email: claralau@cuhk.edu.hk

Since last September, after 10 months' of preparatory work, finally comes to July which is an important month for our Association as important events occur: face-to-face BoD meeting, 7th Annual Meeting, and the Annual General Meeting. This year, our Annual Meeting is co-hosted with National Institute for Korean Medicine Development (NIKOM) and Daegu Haany University (DHU), titled "International Conference for Global Cooperation in Traditional Medicine, in association with the 7th GP-TCM RA Annual Meeting". The meeting venue is in the beautiful campus of Daegu Haany University, Daegu City, South Korea. As general practice, the board members (coming from different parts of the world) will take this opportunity to hold a face-to-face BoD meeting just the day (8 July) before our Annual Meeting. This time, all the chairs and co-chairs of our 6 Interest Groups have also been invited to join the BoD meeting. At the beginning of the BoD meeting, there was a few minutes of silence (together with a photos presentation of "memorable moments with Peter" prepared by Prof. Clara Lau) for the remembrance of Prof. Peter Hylands (our treasurer who has passed away peacefully on 10 June 2019), especially for his great contributions towards our Association. The BoD meeting then proceeded with discussions on issues such as replacement of treasurer and related matters, sending out invoices for 2019 membership payment, membership updates, etc. The 1.5-hour BoD meeting was followed by a buffet dinner at Daegu Grand hotel, hosted by our President, Prof. Aiping Lu.



GP-TCM RA BoD members (2019-20) in Daegu City, South Korea

On a warm, sunny morning of 9 July, our 2-days Annual meeting took place at the Daegu Haany University Samsung Campus. A total of 294 participants coming from different countries (Australia, Belgium, China (including Hong Kong SAR), Germany, Netherlands, Republic of Korea, Russia, Taiwan, United Kingdom) attend the conference, together with 25 exhibitors and 71 poster presentations. The conference started with 2 keynote lectures given by our President-Elect, Prof. Monique Simmonds and the Vice President of Daegu Haany University, Prof. Joon-Seok Byun.



(left) Prof. Monique Simmonds gave a keynote lecture on the supply of good quality plants for TCM



(right) Another keynote lecture by Prof. Joon-Seok Byun on the potential and future of Traditional medicine

Elaboration of Monographs for TCM herbs by the European Pharmacopoeia (since 2008)

TCM-Working Party
建立传统中药研究团队

Chairman: Rudolf BAUER 鲍儒德



ANDLAUER	Béatrice	EDQM
BALD	Melanie	EDQM
BAUER	Rudolf	Austria
BILIA	Anna Rita	Italy
BUNNER	Benedicte	EDQM
CHAN	Kelvin	Hong Kong
CHANG	Yuan Shiun	Taiwan
CICI	Delina	EDQM
DUEZ	Pierre	Belgium
DUFAT	Thi Hanh	France
ERDOGAN ORHAN	Ilkay	Turkey
GASSER	Uwe Michael	Germany
GLOWNIAK	Kazimierz	Poland
GUO	De-An	China
HOENOW	Ruth	Germany
KEITEL	Susanne	EDQM
KOPF	Mireille	EDQM
LAENGER	Reinhard	Austria
NIKOLOVA	Villy	EDQM
PETER	Samuel	Switzerland
REICH	Eike	Switzerland
ROSE	Ulrich	EDQM
SABATINI-SAMORI	Cristiana	EDQM
SANZ-BISET	Jaume	EDQM
SCHERUEBL	Rosmarie	Germany
STOEGE	Erich Andreas	Germany
VIELLE	Cathie	EDQM
WANG	Mei	The Netherlands
WANG-TSCHEN	Shu-Yuan	Switzerland
WEBER	Matthias	EDQM

Elaboration of Monographs for TCM herbs for the European Pharmacopoeia 欧洲药典的中草药专著的确立和发展

- 73 Monographs adopted by the Eur. Pharmacopoeia Commission
欧洲药典委员会已接纳 73 篇专著
- Ca. 30 attributed to Specialists
约30人取得专家资格认证
- Monographs published as drafts in *PHARMEUROPA*
篇论文作为草案在欧洲药典官网上发表
- Monographs for *General Methods* 通用方法论著:
 - Chapter on processing: published 加工制作: 已发表
 - Test for aristolochic acids: published 马兜铃酸的检测: 已发表
 - Test for pyrrolizidine alkaloids: in progress 咯烷类生物碱的测试



<http://www.edqm.eu/en/Knowledge-Database-707.html>

Monograph Number	2431
English Name	Chinese lovage (root and rhizoma)
French Name	Livèche de Chine (racine et rhizome de)
Latin Name	Angelicae sinensis radix
State of Work	1
Pharmeuropa	N/A
Published in Supplement	
Revision in progress	No
Chromatogram	N/A
Additional information	N/A
History	N/A



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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



University of Munich

Prof. Hildebert Wagner

Hildebert Wagner · Stefanie Puls · Talee Barghouti
Anton Staudinger · Dieter Melchart *Editors*

Chromatographic Fingerprint Analysis of Herbal Medicines

Thin-Layer and High Performance
Liquid Chromatography of Chinese Drugs

Volume 5

Springer



TLC and HPLC methods for quality control of Chinese herbs

- Monographs for analytical investigation of >140 Chinese herbs (in 5 Volumes)
- TLC, HPLC and GC analytical methods
- TLC results are shown in numerous colour figures.
- Bioactive constituents, pharmacological and biological activities as well as their therapeutic applications are outlined



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University of Florence Prof. Anna Rita Bilia

PHYTOLAB

Some International Involvements

Society for Medicinal Plant and Natural Product Research

President: Prof. A.R. Bilia



<http://www.ga2018.cn>



The 66th

Annual Meeting of the Society for Medicinal Plant and
Natural Product Research (GA)

jointly with

The 11th Shanghai International Conference on Traditional
Chinese Medicine and Natural Medicine (S-TCM)

August 26-29th, Parkyard Hotel Shanghai, China



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University of Florence | Prof. Anna Rita Bilia

Qihuang International Prize of China Association of Chinese Medicine 2019 awarded to Anna Rita Bilia and Wang Mei

25th November 2018 in Beijing, China



Joint Sino-Italian Laboratory on Traditional Chinese Medicine

2018: Exchange of 1 professor from University of Tianjin for three months in the lab of Chemistry of University of Florence. One month spent by a PhD of the University of Florence at the University of Tianjin



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University of Florence Prof. Anna Rita Bilia

INVITED LECTURES RELATED TO TCM PLANTS AND CONSTITUENTS (2018-2019)

CHINESE HERBAL MEDICINE IN EUROPE: REGULATORY SITUATION, PROBLEMS AND PERSPECTIVES-

University of Hangzhou, 8th January 2018, China

TRADITIONAL CHINESE MEDICINE: THE IMPACT OF FORMULATION STRATEGIES TO ENHANCE THEIR

THERAPEUTIC USE- International Symposium on Clinical and Translational Medicine 2018

September 10-12 2018, Shanghai

ANDROGRAPHOLIDE FROM THE “KING OF BITTERS”: STRATEGIES TO OVERCOME THE BLOOD–BRAIN

BARRIER- The 10th International Conference on TCM Pharmaceutical Analysis & Annual Meeting & Election of the Council of Specialty Committee of TCM Pharmaceutical Analysis, WFCMS (2019, Shanghai)



University of Florence Prof. Anna Rita Bilia

PUBLICATIONS RELATED TO TCM PLANTS AND CONSTITUENTS (2018-2019)

1. Graverini G, Piazzini V, Landucci E, Pantano D, Nardiello P, Casamenti F, Pellegrini-Giampietro DE, **Bilia AR**, Bergonzi MC. Solid lipid nanoparticles for delivery of **andrographolide** across the blood-brain barrier: in vitro and in vivo evaluation. *Colloids Surf B Biointerfaces*. 2018 Jan 1;161:302-313. doi: 10.1016/j.colsurfb.2017.10.062.
2. Santomauro F, Donato R, Pini G, Sacco C, Ascrizzi R, Bilia AR. Liquid and Vapour-Phase Activity of *Artemisia annua* Essential Oil against Pathogenic *Malassezia* spp. *Planta Med*. 2018 Feb;84(3):160-167.
3. Sannella AR, Karioti A, Orsini S, Scalone A, Gradoni L, Messori L, Severini C, Bilia AR. Leaf Decoction of *Carica papaya* Combined with Artesunate Prevents Recrudescence in *Plasmodium berghei*-Infected Mice. *Planta Med*. 2019 Jun 19. doi: 10.1055/a-0952-3677
4. Asprea M, Tatini F, Piazzini V, Rossi F, Bergonzi MC, Bilia AR. Stable, Monodisperse, and Highly Cell-Permeating Nanocochleates loaded with andrographolide from Natural Soy Lecithin Liposomes. *Pharmaceutics*. 2019 Jan 16;11(1). pii: E34. doi: 10.3390/pharmaceutics11010034.
5. Yang Z, Tang H, Shao Q, Bilia AR, Wang Y, Zhao X. Enrichment and Purification of the Bioactive Flavonoids from Flower of *Abelmoschus manihot* (L.) Medic Using Macroporous Resins. *Molecules*. 2018 Oct 16;23(10). pii: E2649. doi: 10.3390/molecules23102649.
6. Piazzini V, Landucci E, Graverini G, Pellegrini-Giampietro DE, Bilia AR, Bergonzi MC. Stealth and Cationic Nanoliposomes as Drug Delivery Systems to Increase Andrographolide BBB Permeability. *Pharmaceutics*. 2018 Aug 13;10(3). pii: E128. doi: 10.3390/pharmaceutics10030128.
7. Anna Rita Bilia, Pamela Nardiello, Vieri Piazzini, Manuela Leri, Maria Camilla Bergonzi, Monica Bucciantini, Fiorella Casamenti. Successful Brain Delivery of Andrographolide Loaded in Human Albumin Nanoparticles to TgCRND8 Mice, an Alzheimer's Disease Mouse Model. *Frontiers in Pharmacology*, accepted



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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

LU-European Center for Chinese Medicine and Natural Compounds

Leiden University, The Netherlands

Chairperson: Dr. Mei Wang



Using scientific methods to re-visit Chinese medicine and discover the synergistic/opposing active principle of natural multiple compound preparations.

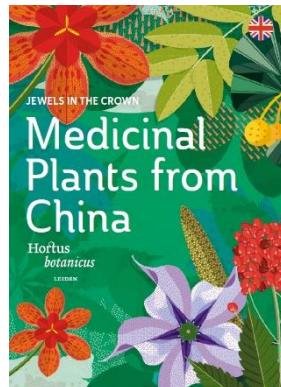
Mission: Enhancing health promotion by investigation of synergistic/opposing aspects of (Chinese) medicinal natural compounds from plant origin.

Vision: Understanding of synergistic/opposing effects in medicines will aid to improvement of health care.

Leiden University-European Center for Chinese Medicine and Natural Compounds

Scientific Research Themes:

1. Discovery and understanding the synergistic and opposing active principles of Chinese herbal medicine and natural compounds.
2. Therapeutic activity-based quality control of herbal medicines.
3. Historical, anthropological and botanic aspects of herbal medicines, to understand the synergistic practice and working mechanism.



2019 May opening an exhibition of Chinese medicine at Leiden University Botanic garden

Hortus
botanicus
LEIDEN





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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

LU-European Center for Chinese Medicine and Natural Compounds

Education at national level: Universities joint efforts for phytomedicine education/TCM

Dr. Herman J. Woerdenbag
Deputy Director Bachelor
Pharmacy University of Groningen
Department of Pharmaceutical
Technology and Biopharmacy



"Pharmaceutic
al from plants"
planned in
2020

Dr. Ing. E. van den Worm
Chemical Biology & Drug
Discovery, Utrecht Institute
for Pharmaceutical Sciences,
Faculty of Sciences
Utrecht University



'medicinal plants'
bachelor program
90 students 2019

Joint education
programs for
bachelor and
master students



Prof. Dr. Tinde van Andel
Wageningen University
Ethnobotany,
medicinal plants



"Ethnobotany
Medical
Plants"
master course
30 students 2019

Dr. Mei Wang
LE-European center for
Chinese medicine
and natural compounds
Institute of Biology, Faculty of Science
Leiden University



"Pharmaceutic
al from plants"
master course
17 students 2019

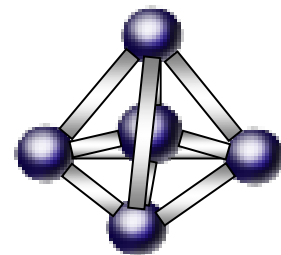


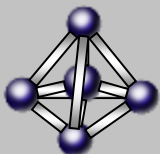
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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



TCM Research Cluster Austria



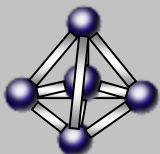


TCM Research Cluster Austria



Sino-Austrian TCM research on lifestyle related diseases

PP	Principal Investigator (Austria)	PI and Project Partners in China	Topic
01	Univ.-Prof. Dr. Friedrich Wallner , Sigmund-Freud-University, Vienna	Prof. Jingqing Hu , Institute of Basic Theory for Chinese Medicine, CACMS, Prof. Shijie Xu , CAMS, Prof. Xiaotong Ma , CAMS, Dr. Song Du , CAMS	Theory, Methodology, and Structure of TCM in Respect to Lifestyle Related Diseases
02	Univ.-Prof. DDR. Gerhard Litscher , TCM Research Center Graz, Medical University of Graz	Peijing RONG , Prof. D.C.M. Ph.D., Institute of Acupuncture and Moxibustion, CACMS, Xinyan GAO , Assoc.Prof. M.D. Ph.D., Department of Physiology, Institute of Acupuncture and Moxibustion, CACMS, Xiaochun YU , Prof. M.D. Ph.D., Institute of Acupuncture and Moxibustion CACMS, Bing ZHU , Prof. M.D. Ph.D., Institute of Acupuncture and Moxibustion, CACMS; Hua WANG , Prof. M.D. Ph.D., Hubei University of Chinese Medicine, Wuhan, Fengxia LIANG , Prof. Ph.D., Institute of Acupuncture and Moxibustion, Hubei University of Chinese Medicine, Wuhan	Sino-Austrian TCM Research on Lifestyle-Related Diseases – Innovative Acupuncture Research
03	Univ.-Prof. Dr. Rudolf Bauer , Institute of Pharmaceutical Sciences, TCM Research Center Graz, University of Graz	Prof. Dr. TONG Xiaolin, Endocrinology, Guang'anmen Hospital, CACMS, Dr. TIAN Jiaxing, Endocrinology, Guang'anmen Hospital, CACMS, Academician Prof. Dr. HUANG Luqi, Institute of Chinese Materia Medica, CACMS, Dr. Yanqin Bian , Institute of Basic Research in Clinical Medicine, CACMS, Prof. Dr. Xijun WANG , Heilongjiang University of Chinese Medicine, Harbin, Prof. Dr. Yong Liu , Beijing University of Chinese Medicine	Interaction of Chinese herbal medicine with the human intestinal microbiome in order to treat and prevent lifestyle related diseases
04	Assoc. Univ.-Prof. Dr. Adelheid H. Brantner , Institute of Pharmaceutical Sciences / Pharmacognosy, University of Graz	Prof. Baolin Bian , Institute of Chinese Materia Medica, CACMS	Sino-Austrian TCM research on lifestyle related diseases: Research on the ancient Chinese medicinal formula Fang Feng Tong Sheng as modern therapeutic against gout
05	Univ.-Prof. Dr. Verena Dirsch , Department of Pharmacognosy, University of Vienna	Prof Dr. Huimin Gao , Institute of Chinese Material Medica, CACMS	Identification of natural products from Paridis rhizoma (Chonglou) as liver X receptor (LXR) and farnesoid X receptor (FXR) ligands
06	Univ.-Prof. Dr. Christian Huck , O. Univ.-Prof. Dr. Günther Bonn ; Institute of Analytical Chemistry and Radio-chemistry, CCB-Center of Chemistry and Biomedicine, University of Innsbruck	Prof. Dr. Bin Yang , Institute of Chinese Materia Medica, CACMS	Novel analytical tools for the quality assessment of Chinese herbs with metabolic, immune related neuromodulatory effects
07	Assoc. Prof. Dr. Yan Ma , Division of Comparative Immunology and Oncology, Department of Pathos- physiology and Allergy Research, Center of Pathophysiology, Infectiology & Immunology, Vienna General Hospital, Medical University of Vienna	Prof. Dr. Jiping Fan , CACMS, Prof. Dr. Dazhuo Shi , Xiyuan Hospital, CACMS, Assoc. Prof. Lixia Lou , Beijing Dongzhimen Hospital, Beijing University of Chinese Medicine, Dr. Lu Liu , Beijing Traditional Chinese Medicine Hospital, Beijing Capital Medical University	Evaluation of Chinese herbal medicine therapy of lifestyle related diseases: Myocardial infarction, prostate cancer and depression - from biomedical research to translational medicine
08	Assoc. Prof. Dipl. Ing. Dr. Wolf Dieter Rausch , Institute for Chemistry and Biochemistry, University of Veterinary Medicine, Vienna	Dr. Shanshan Guo , Institute of Chinese Materia Medica, CACMS, Prof. Cai Peking University Health Center, Prof. Weimin Tong , Department of Pathology, Center for Experimental Animal Research, Institute of Basic Medical Sciences, CACMS and Peking Union Medical College, Prof. Baoquan Bao , Inner Mongolian Medical University, Hohot	Life Style Associated Diseases - the Potential of TCM and MM for the treatment of colorectal cancer
09	Univ.-Prof. Dr. Hermann Stuppner , Institute of Pharmacy/ Pharmacognosy, CCB-Center of Chemistry and Biomedicine University of Innsbruck	Prof. Dr. Jiannong Wang , Xiyuan Hospital, CACMS	Anti-inflammatory potential of TCM drugs – new bioactive compounds and quality issues



**TCM Research
Cluster Austria**



Sino-Austrian TCM research on lifestyle related diseases

Final Project Meeting, Beijing 15./16.4.2019





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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

Medical University of Vienna

Prof. Ma Yan

TCM activities and achievements 2019

Yan Ma

Division of Comparative Immunology and Oncology
Department of Pathophysiology and Allergy Research
Vienna General Hospital
Medical University of Vienna



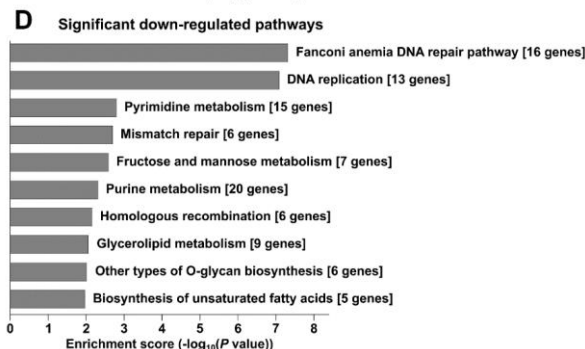
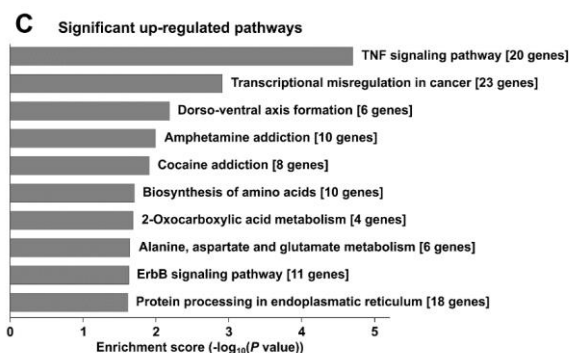
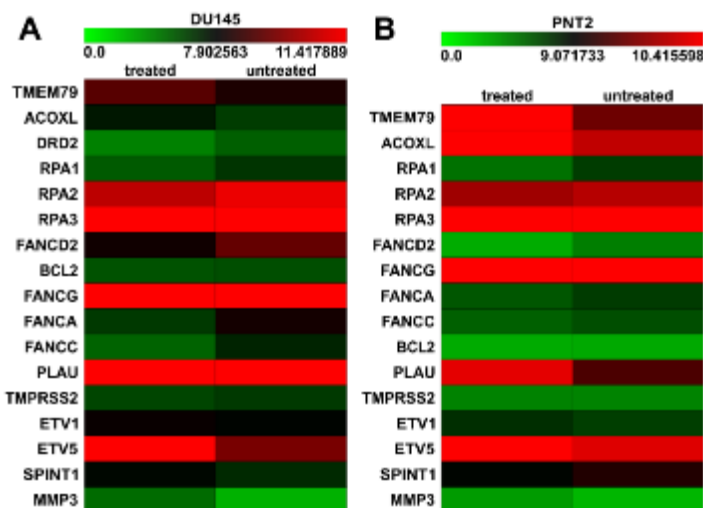
MEDICAL UNIVERSITY
OF VIENNA

傳統中醫 TCM
MASTER OF SCIENCE



Chinese herbal medicine research

Anti-cancer effects of *Panax quinquefolius* saponins (PQS) and *Gynostemma pentaphyllum* (GpM) and their possible mechanism in prostate cancer cells.



An oligonucleotide microarray was used to analyze the miRNA expression profiles in DU145 and PNT2 cells after the treatment (A, B). p21, p53, ETV5, SPINT1, ACOXL and TMEM79 were up-regulated, while bcl2, DRD2, TMPRSS2, FANCD2 and STAT3 were down-regulated in the treatment groups. The enrichment scores of ten significant up- and down-regulated pathways are shown (C, D).





中药全球化联盟

CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



Medical University of Vienna

Prof. Ma Yan

TCM Education at the Medical University of Vienna

School of TCM in 2019 - new semester, practice, and graduation



MEDICAL UNIVERSITY
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MASTER OF SCIENCE



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CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

Medical University of Vienna

Prof. Ma Yan

TCM Education at the Vienna Children University

- We gave two lectures for the young students at the Vienna Children University with the topic "What are Chinese medicine and Chinese culture?" in July 2019.
- Around 120 children aged from 7 to 14 years visited the lectures.



MEDICAL UNIVERSITY
OF VIENNA

TCM activities and achievements 2019

傳統中醫 TCM
MASTER OF SCIENCE



中药全球化联盟

CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

Medical University of Vienna

Prof. Ma Yan

Exchange of TCM knowledge between Universities

- 6th Plenary Meeting of Eurasia-Pacific Uninet from May 15 to 19, 2019 in Vienna, Austria. Discussion with the experts from Mongolia, Russia, China, Kyrgyzstan and Austria.
- Chinese Hospital director delegation on 27th May in Vienna General Hospital.



Successful Sino-Austrian cooperation with the High-Tech Acupuncture Network

Gerhard Litscher, Univ-Prof MSc PhD MDsc

Head of Research Unit for Complementary and Integrative Laser Medicine,
of the Research Unit of Biomedical Engineering in Anesthesia and Intensive Care Medicine,
and of the TCM Research Center Graz, **Medical University of Graz**, Austria

互补医学及激光综合医学科研中心
格拉兹医科大学 麻醉和重症监护医学院
生物医学技术研究所及中国传统医学科研中心

Basic and Clinical Acupuncture Studies – Lifestyle-related Diseases

Gender Differences in Laser Acupuncture

2018 Dr. Wang Junying



Post-Stroke Patients Laser vs. Needle Acup.

2018/2019 Dr. Zhang Xiaoning
Prof. Jing Xianghong

subm.

Burnout Syndrome – Acup. & Moxib.

2018 Study Protocol; 2016 Study
Prof. Liang Fengxia
Prof. Wang Hua



Low Back Pain & Acup.

2018 Review (Tiaw-Kee Lim)
Prof. Ma Yan



Tinnitus – Acup.

2018 Dr. Jian-Feng Tu
Prof. Liu Cun-Zhi
Beijing Hosp. TCM, Dongfang Hosp.

In press

Lifestyle Myopia – Acup. & Moxib.

2018 Dr. Shang Xiaojuan
Prof. Chen Luquan
Beijing Tongren Hospital



Protective Effects – Electroacupuncture Animal Experiments


PLA General Hospital



Protective Effects – Electroacupuncture Animal Experiments

PLA General Hospital



 ... published

2018 / 2019



★ 5th World Congress on High-Tech Acupuncture and Integrative Medicine in 2020



[Welcome Message](#) [Program Committee](#) [Program](#) [Registration](#) [Sponsorship](#) [Press & Media](#) [Contact Us](#)

The Annual World Congress of High-Tech Acupuncture and Integrative Medicine (HTA&IM), initiated from Prof. Gerhard Litscher in 2014, had been successfully organized in Hangzhou, Xi'an and and twice in Nanjing, and attracted more than 700 participants from 30 countries. HTA&IM congresses contribute to offering professionals in the field of high-tech acupuncture a multidisciplinary informative cooperative platform, and it has been the most deluxe and grand High-Tech Acupuncture event in Asia. The HTA&IM2020 will be held with NeuroTalk-2020 during May 15-17, 2020 in Singapore.

Program at a glance:

Track 1: Modernization of Acupuncture
Track 2: Laser Acupuncture
Track 3: Integrative Medicine
Track 4: Evidence Based Complementary Medicine
Track 5: Basic research

Track 6: Pharmacopuncture
Track 7: Electroacupuncture
Track 8: Toleracupuncture
Track 9: Robot-Controlled Acupuncture
Track 10: Acupuncture and Nanotechnology

Previous Speakers



Dr. Gerhard Litscher

Professor

Medical University of Graz,
President of ISLA, Austria



Dr. Im Quah-Smith

Research Associate &
President

University of New South
Wales, Australia & The 9th
International Symposium on
Acupuncture, Singapore



Dr. Thomas Burgoon

President

American Academy of Medical
Acupuncture, USA



Dr. Zhongren Sun

President

Hubei University of Chinese Medicine,
China

Hosting Organization

National Foreign Experts
Database of MOST (Taiwan
Branch)

Supporting Organization



Chinese Society of Acupuncture
and Moxibustion



International Society for Medical
Laser Applications



German Society of Acupuncture
Foundation for TCM, DCFG-TCM

Journal Partnership

Journal of
Acupuncture

Research & Reviews
Neuroscience

Upcoming Events

(Singapore)



11th Annual World Congress of
NeuroTalk-2020
(October 25-27, 2019,
Singapore)



9th International Symposium on
Acupuncture
(October 26-27, 2018,
Gongbei, China)

NeuroTalk-2019

NeuroTalk-2019

5th World Congress on High-Tech Acupuncture and Integrative Medicine 2020

Singapore
May 15 – 17, 2020

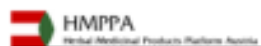


中药全球化联盟

CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE



TCM Research Center Graz, Herbal Medicine, University of Graz | Prof. Rudolf Bauer



**TCM Research
Cluster Austria**

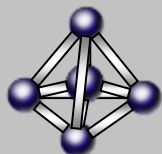


Sino-Austrian TCM research on lifestyle related diseases

Project Part 3

**Interaction of Chinese herbal
medicine with the human intestinal
microbiome in order to treat and
prevent lifestyle related diseases**

PI-Austria: Prof. Dr. Rudolf Bauer, Graz
PI-China: Prof. Dr. TONG Xiaolin, Endocrinology,
Guang'anmen Hospital, CACMS



**TCM Research
Cluster Austria**



ORIGINAL ARTICLE

Structural modulation of gut microbiota during alleviation of type 2 diabetes with a Chinese herbal formula

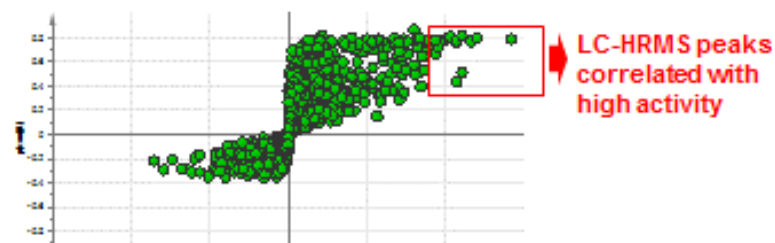
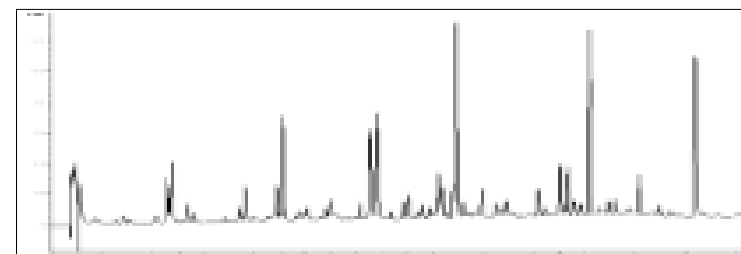
Jia Xu^{1,4}, Fengmei Lian^{2,4}, Linhua Zhao², Yufeng Zhao³, Xinyan Chen², Xu Zhang¹, Yun Guo², Chenhong Zhang¹, Qiang Zhou², Zhengsheng Xue¹, Xiaoyan Pang¹, Liping Zhao^{1,3} and Xiaolin Tong²

¹State Key Laboratory of Microbial Metabolism, School of Life Sciences and Biotechnology, Shanghai Jiao Tong University, Shanghai, People's Republic of China; ²Guang'anmen Hospital, China Academy of Chinese Medical Sciences, Beijing, People's Republic of China and ³Ministry of Education Key Laboratory of Systems Biomedicine, Shanghai Center for Systems Biomedicine, Shanghai Jiao Tong University, Shanghai, People's Republic of China



Gegen Qinglian Decoction (GQD): Gegen 葛根 (Radix Puerariae), Huangqin 黃芩 (Radix Scutellariae), Huanglian 黃連 (Rhizoma Coptidis), and Zhi Gancao 炙甘草 (Honey-fried Licorice Root)

A treatment for diarrhea in Shang Han Lun since the East Han Dynasty: Zhongjing Zhang (AD 150–219)



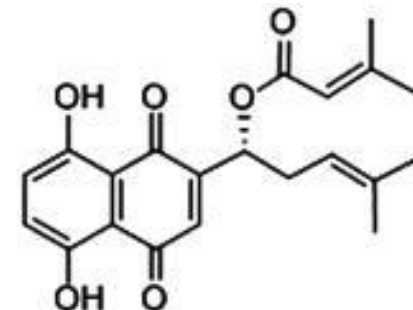
Elucidation of specific cytotoxic effects of dimethylacrylshikonin in melanoma cells



Investigations on *Arnebia euchroma* and *Onosma paniculata*

Project number P 27505 (28.01.2015-27.01.2019)

PI: Rudolf BAUER



University of Graz –
Institute of Pharmaceutical Sciences
Department of Pharmacognosy

Responsibilities:
Applicant, derivatization of shikonin,
Pharmacological *in vitro* assays

Contact person:
Univ.-Prof. Dr. Rudolf Bauer
Universitätsplatz 4/1
A-8010 Graz, Austria
Phone: +43 316 380 8700
E-mail: rudolf.bauer@uni-graz.at



Medical University of Graz –
Center for Medical Research, Core Facility of
Flow Cytometry

Responsibilities:
Mechanistic studies, *in vitro* experiments

Contact person:
Dr. Beate Rinner
Stiftingtalstrasse 24
A-8010 Graz
Phone: +43 316 385 73524
E-mail: Beate.Rinner@klinikum-graz.at

The University of Queensland– School of
Medicine, Dermatology Research Centre

Responsibilities:
Supervisor in melanom biology

Contact person:
Prof. Dr. Helmut Schaider*
37 Kent Street
Woolloongabba QLD 4102, Australia
Phone: +61 7 344 37380
E-mail: h.schaider@uq.edu.au



*Prof. Schaider works mainly in Australia, but is still several months per year at the Medical University of Graz and, therefore, also personally available for the research team.

Medical University of Graz –
Internal Medicine, Department of Hematology

Responsibilities:
Mechanistic studies, *in vitro* experiments

Contact person:
Dr. Alexander Deutsch
Auenbruggerplatz 38
A-8010 Graz
Phone: +43 316 385 72816
E-mail: alexander.deutsch@medunigraz.at

Novel mechanisms of adaptation to endothelial stress

Investigations on *Andrographis paniculata* and *Salvia miltiorrhiza*

Project number P 27682 (01.03.2015-31.12.2018)

PI: Valery BOCHKOV (Co-PI: Rudolf BAUER)



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TCM Research Center Graz, Herbal Medicine, University of Graz

Prof. Rudolf Bauer

Engineering 5 (2019) 83–97



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Research
Traditional Chinese Medicine—Review

Deeper Chemical Perceptions for Better Traditional Chinese Medicine Standards



Jin-Jun Hou^a, Jian-Qing Zhang^a, Chang-Liang Yao^a, Rudolf Bauer^b, Ikhlas A. Khan^c, Wan-Ying Wu^{a,*},
De-an Guo^{a,*}

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^b Department of Pharmacognosy, Institute of Pharmaceutical Sciences, Karl-Franzens-Universität Graz, Graz A-8010, Austria

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多重解析地址选择页面

题 名:	新形势·新策略——网络药理学与中药新药研发		
第一作者:	韩露		
期刊名称:	中国药理学与毒理学杂志	出版年	2018 卷 32 期 11
Title:	New situation and new strategy—network pharmacology and research and development of new drugs of traditional Chinese medicine		
First author: :			
Journal:	Chinese Journal of Pharmacology and Toxicology		
Year	2018	Volume	32 Issue 11
doi:	10.3867/j.issn.1000-3002.2018.11.001		



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Published papers on TCM related topics in 2018 and 2019:

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- Kretschmer, N.; Deutsch, A.; Durchschein, C.; Rinner, B.; Stallinger, A.; Higareda-Almaraz, J.C.; Scheideler, M.; Lohberger, B.; Bauer, R. Comparative Gene Expression Analysis in WM164 Melanoma Cells Revealed That β - β -Dimethylacryl-shikonin Leads to ROS Generation, Loss of Mitochondrial Membrane Potential, and Autophagy Induction. *Molecules* 2018, 23, 2823. doi. 10.3390/molecules23112823
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- Hou, J.-J., Zhang, J.-J., Yao, C.-L., Bauer, R.; Khan, I.A., Wua, W.-Y., Guo, D.-A. Deeper chemical perceptions for better traditional Chinese medicine standards. *Engineering* 5, 83–97 (2019)
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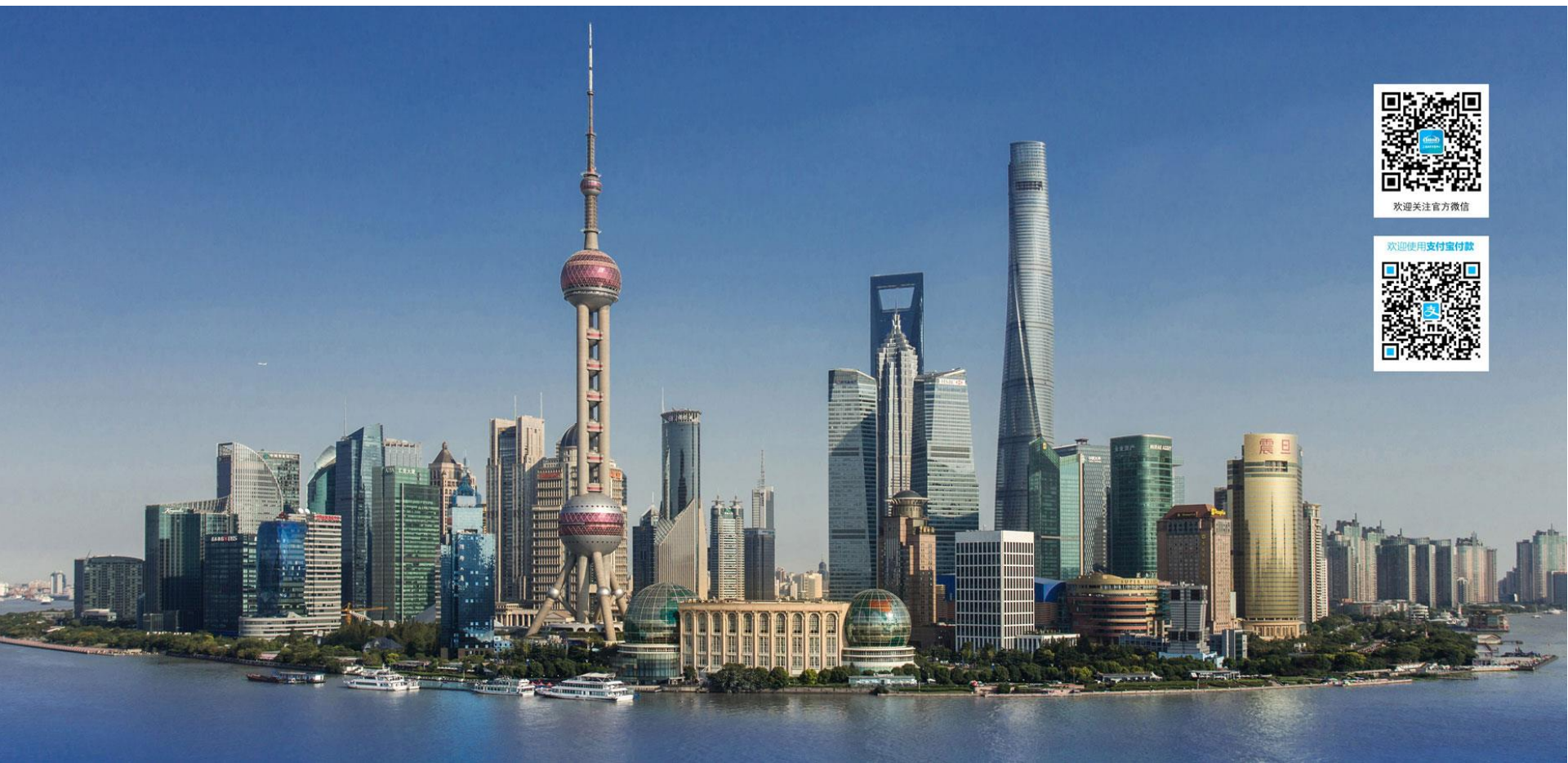


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Thank you very much - 非常感谢



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