

**Consortium for the
Globalization of Chinese
Medicine
15th Meeting
Academia Sinica
Tapei, 2016
Regional Report – Canada
by EMK Lui**



Canadian Members

- University of Western Ontario
- McMaster University
- University of Guelph
- University of Windsor
- Canadian Institute of Chinese Medicinal Research
- Ontario Ginseng Innovation and Research Consortium
- Global Institute of Computational Molecular and Materials Science



TCM in Canada

- Canada has a large and very successful Chinese-Canadian population
- As well, Canadians of all other backgrounds have great interest in TCM
- NHP regulations of H Canada do cover TCM products
- Canada has a number of active TCM programs including formal training programs and Provincial colleges to license and regulate TCM practice
- First Government-funded program at Humber College. Research mandate to follow the Science & technology theme. Advisory committee.

Medical Education

- Curricular revision at many of the 17 Canadian medical schools underway
- At most schools this includes integration of CAM teaching as part of therapeutics teaching. McGill U, U Toronto, U Alberta, U Saskatchewan, U Ottawa, U Manitoba, Western U. However, TCM expertise is limited. On-line modules on Introduction to TCM in progress.
- CAMUME since 2003. Can Academic network for Integrative Health Education in progress.

One Example

NEW ADVANCED NEUROFUNCTIONAL SPORTS PERFORMANCE SPECIALIST
CURRICULUM: IMPORTANT MESSAGE FROM DR. ALEJANDRO ELORRIAGA CLARACO



Contemporary Medical Acupuncture Program
Neurofunctional Treatment of Pain and Dysfunction



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The Contemporary Acupuncture program is well organized. The reading material and homework is relevant to the learning of acupuncture and to the clinical applications of acupuncture in the physician practice. I would recommend this program of training to any physician who is serious about wanting to gain...Brenda Donaldson, M.D., FAAMA, Corporate Director of Acupuncture, William Beaumont Hospitals, Royal Oak, MI

Welcome

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Lista Internacional



Research

- Active research programs in research in herbal research and TCM at a number of partners
- Work using herbal medicines, herbal formula and acupuncture
- This includes Canada-China collaborations: U Manitoba, McMaster U, Western University
- There are joint funding opportunities

Canadian International Innovation Program (CIIP)

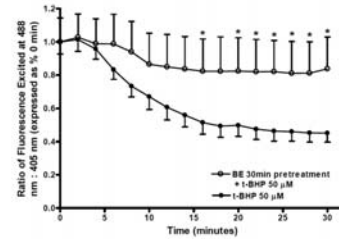
CANADIAN INTERNATIONAL INNOVATION PROGRAM
R&D PARTNERING ABROAD

PROGRAMME CANADIEN DE L'INNOVATION À L'INTERNATIONAL
PARTENARIATS EN R-D À L'ÉTRANGER



Antioxidant Project

- One example; joint initiative between Western (Canada) and Fudan (China) to explore novel anti-antioxidants
- Work using baicalein, crocetin, trans-resveratrol or schisanhenol and two defined mixtures of these TCM phytochemicals
- Demonstration of protective effect in the context of hypersensitivity ADRs
 - *J Pharm Pharm Sci* 2015;18(4):661-82.
 - *J Pharm Pharm Sci* 2015;18(4):528-46.



CICMR (founded in 2004)

- Memberships across Canada: academia & government (Canadian Centre for Agri-food Research in Health and Medicine, Winnipeg; NRC)
- **Herbal medicines:** e.g. American Ginseng, Rhodiola, Berberine, Coriolus Versicolor
- 中醫藥例子:西洋參(花旗參),紅景天,黃連素, 雲芝
- Health benefits, quality and agriculture research.
- Regulatory aspects: ISO/TC249 Quality and safety of TCM.
- Addressing Challenges in the Assessment of Botanical Dietary Supplement Safety, NTP, NIH. April 2016.
(identify bioactives and principles of similar)
- New direction: to engage the industry partners.
- **Acupuncture:** Dr Steven Aung, College of Integrative Medicine, U Alberta.

Summary

- TCM research and education is alive and well in Canada
- The Canadian member institutes have developed focused and complementary expertise, although there are challenges.
- Canadian institutes are also actively working with international partners
- 谢谢 to our hosts in Taipei and we are looking forward to 2016-2017.

Many Thanks to our colleagues in
Taiwan from colleagues in Canada!

