

Li Ting

Assistant Professor, PhD

Macau Institute for Applied Research in Medicine and Health
State Key Laboratory for Quality Research in Chinese Medicine
Macau University of Science and Technology



Research Interests

- Molecular targeting and treatment mechanisms of natural products on inflammatory or auto-immune diseases
- Synergies of natural products and western drugs
- Omics technology for immunosuppressive drug research

Tel.: +853-88972401;

Fax: +853-28825886;

E-mail: tli@must.edu.mo

Dr. LiTing achieved her M.D. degree in Traditional Chinese Medicine in 2002 at Anhui College of Traditional Chinese Medicine. She earned her M.Phil. degree from Guangzhou University of Traditional Chinese Medicine and Ph. D. degree from Hong Kong Baptist University in 2005 and 2010, respectively. She proceeded to her post-doctoral training at School of Chinese Medicine from the Hong Kong Baptist University during 2010-2011. During the time, she has published several well-recognized peer-reviewed research articles about immune-regulative compounds derived from Traditional Chinese Medicinal herbs.

Before joining Macau University of Science and Technology (MUST), Dr. Li Ting starts trying to identify anti-inflammatory drug candidates from natural products which specifically inhibit kinase activity. Now in MUST, Dr. Li mainly engaged in the research about immune suppression,

immune tolerance, as well as synergies of natural products and western drugs. Her research focuses on the investigating the molecular mechanisms of Traditional Chinese Medicine (TCM) for treatment of T cell-mediated autoimmune or inflammatory disease through pharmacology, molecular biology, immunology and other technologies to deeply evaluate the efficacy and mechanism of the compounds derived from TCM.

Education:

July, 2002, M.D. Anhui College of Traditional Chinese Medicine, HeFei, China

July, 2005, M. Phil. Guangzhou University of Traditional Chinese Medicine, GuangZhou, China

Feb, 2010, Ph. D. Hong Kong Baptist University, Hong Kong, China

Professional Chronology:

Sept, 2005-Dec, 2006 Research Assistant, School of Chinese Medicine, Hong Kong Baptist University

April, 2010-Sept, 2011 Pos-doc research fellow, School of Chinese Medicine, Hong Kong Baptist University

Sept, 2011- present Assistant Professor, Macau Institute for Applied Research in Medicine and Health, Macau University of Science and Technology

Teaching Subjects:

- 1) Methodology of Pharmacological Experiment
- 2) Biochemistry
- 3) Clinical Pharmacology

Research Fields:

Chinese Herbal Pharmacology and Immunopharmacology

Awards:

Oral presentation awards, the 4th Hong Kong - Macau Postgraduate Symposium on Chinese Medicine, 2008.

Selected Publications:

1. L. Zhu, J.-G. Lu, **T. Li**, G.-Y. Zhu, Q.-B. Han, W.-L. Hsiao, L. Liu, Z.-H. Jiang. Immunosuppressive Decalin Derivatives from Red Yeast Rice. *J Nat Prod.* 2012 Mar 6.
2. **T. Li**, V.-K.Wong, X. - Q.Yi, Y.-F.Wong, H. Zhou, L. Liu. Matrine induces cell anergy in human Jurkat T cells through modulation of mitogen-activated protein kinases (MAPK) and nuclear factor of activated T-cells (NFAT) signaling with concomitant up-regulation of anergy-associated genes expression. *Biol Pharm Bull*, 33(1), 40-46, 2010.
3. X. -Q.Yi, **T. Li**, J.-R.Wang, K.-W.Wong, P. Luo, S.-Z.Hou, B. Zeng, Y.-F.Wong, Z.-H.Jiang, L. Liu, H. Zhou. Total ginsenosides increases coronary perfusion flow in the isolated rat hearts through activation of PI3K/Akt-eNOS signaling, *Phytomedicine*, *Phytomedicine*, 17(13):1006-1015, 2010.
4. V.-K.Wong, S.-S.Cheung, **T. Li**, Z.-H.Jiang, J.-R.Wang, H. Dong, X. -Q.Yi, H. Zhou, L. Liu. Asian ginseng extract inhibits in vitro and in vivo growth of mouse Lewis lung carcinoma cells via modulation of ERK-p53 and NF- κ B signaling. *J Cell Biochem*, 111(4), 899-910, 2010.
5. V.-K.Wong, H. Zhou, S.-S.Cheung, **T. Li**, L. Liu. Mechanistic study of Saikosaponin-d (Ssd) on suppression of murine T lymphocyte activation. *Journal of Cellular Biochemistry*, 107(2), 303-315, 2009.
6. **T. Li**, V.-K.Wong, X. -Q.Yi, Y.-F.Wong, H. Zhou, L. Liu. Pseudolaric acid B suppresses T lymphocyte activation through inhibition of NF-kappaB signaling pathway and p38 phosphorylation. *J Cell Biochem*, 108(1), 87-95, 2009.

李婷博士

澳門科技大學澳門藥物及健康應用研究所
中藥質量研究國家重點實驗室(澳門科技大學)



研究方向

- 天然產物治療炎症及自身免疫性疾病的分子机理研究
- 中西藥物協同作用的減毒增效研究
- 利用組學技術對免疫抑制藥物作用机理的研究

電話：+853-88972401

傳真：+853-28825886

電郵地址：tli@must.edu.mo

李博士於 2002 年在安徽中醫學院中醫臨床專業取得醫學學士學位，並於 2005 年在廣州中醫藥大學中西結合專業取得碩士學位，而後於 2010 年在香港浸會大學中醫藥學院取得博士學位，隨後進入香港浸會大學中醫藥學院進行博士後研究，從事中藥单体化合物的免疫抑制及免疫調節作用的博士後研究工作。在進行博士及博士後研究期間，李博士曾於國際期刊發表多篇相關研究論文。在加入澳門科技大學之前，李博士已經開始研究通過特异性的抑制激酶活性，而達到免疫抑制作用的中藥单体化合物。在澳門科技大學，李婷博士的研究工作將集中於中醫藥抗炎免疫抑制的分子机理，中西藥物相互作用及減毒增效等的研究，以及利用蛋白質組學技術平台進行中藥開發。通過利用藥理學、分子生物學、免疫學等技術系統並深入的評價中藥的藥效及作用机理

學歷：

2002 年 7 月，安徽中醫學院醫學士學位

2005 年 7 月，廣州中醫藥大學中西結合專業碩士學位

2010 年 2 月，香港浸會大學哲學博士學位

工作經歷:

2005年9月-2006年12月，香港浸會大學中醫藥學院助理研究員

2010年4月-2011年9月，香港浸會大學中醫藥學院博士后研究員

2011年9月-今，澳門科技大學，助理教授

授課科目: 藥理學實驗方法，臨床藥理學，生物化學

研究領域: 中藥藥理學；免疫藥理學

獲獎:

Oral presentation awards, the 4th Hong Kong - Macau Postgraduate Symposium on Chinese Medicine, 2008.

研究論文: 1. L. Zhu, J.-G. Lu, **T. Li**, G.-Y. Zhu, Q.-B. Han, W.-L. Hsiao, L. Liu, Z.-H. Jiang. Immunosuppressive Decalin Derivatives from Red Yeast Rice. *J Nat Prod.* 2012 Mar 6.

2. **T. Li**, V.-K. Wong, X. - Q. Yi, Y.-F. Wong, H. Zhou, L. Liu. Matrine induces cell anergy in human Jurkat T cells through modulation of mitogen-activated protein kinases (MAPK) and nuclear factor of activated T-cells (NFAT) signaling with concomitant up-regulation of anergy-associated genes expression. *Biol Pharm Bull*, 33(1), 40-46, 2010.

3. X. -Q. Yi, **T. Li**, J.-R. Wang, K.-W. Wong, P. Luo, S.-Z. Hou, B. Zeng, Y.-F. Wong, Z.-H. Jiang, L. Liu, H. Zhou. Total ginsenosides increases coronary perfusion flow in the isolated rat hearts through activation of PI3K/Akt-eNOS signaling, *Phytomedicine*, 17(13):1006-1015, 2010.

4. V.-K. Wong, S.-S. Cheung, **T. Li**, Z.-H. Jiang, J.-R. Wang, H. Dong, X. -Q. Yi, H. Zhou, L. Liu. Asian ginseng extract inhibits in vitro and in vivo growth of mouse Lewis lung carcinoma cells via modulation of ERK-p53 and NF- κ B signaling. *J Cell Biochem*, 111(4), 899-910, 2010.

5. V.-K. Wong, H. Zhou, S.-S. Cheung, **T. Li**, L. Liu. Mechanistic study of Saikosaponin-d (Ssd) on suppression of murine T lymphocyte activation. *Journal of Cellular Biochemistry*, 107(2), 303-315, 2009.

6. **T. Li**, V.-K. Wong, X. -Q. Yi, Y.-F. Wong, H. Zhou, L. Liu. Pseudolaric acid B suppresses T lymphocyte activation through inhibition of NF-kappaB signaling pathway and p38 phosphorylation. *J Cell Biochem*, 108(1), 87-95, 2009.