

## Na LI

Assistant Professor, PhD

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Dr. Li obtained her Ph.D. degree from China Pharmaceutical University in 1999, and then worked as a post-doctoral research fellow in Institute of Materia Medica of Chinese Academy of Medical Sciences and Peking Union Medical College (CAMS & PUMC). In 2001, she was sponsored by Japan Society for the Promotion of Science to work as a post-doctoral research fellow in Niigata University, Japan. From 2003 to 2007, she engaged in the study of bioactive compounds in The National Center for Drug Screening, Shanghai Institute of Materia Medica, Chinese Academy of Sciences. Her research in The Chinese University of Hong Kong during the period 2007 to 2011 mainly focused on the toxicity of natural products. She has rich experience in the research of natural product chemistry, and has published more than 30 research articles in number of international journals including Journal of Hepatology, PNAS, Molecular Pharmaceutics, Journal of Natural Products and etc.

### **Education:**

July, 1994, B. Sc. (West China University of Medical Sciences, Chengdu, Sichuan Province, China )

July, 1999, Ph. D. (China Pharmaceutical University, Nanjing, Jiangsu Province, China)

### **Professional Chronology:**

September, 1999 - October, 2001      Institute of Mataria Medica, CAMS & PUMC

November, 2001 - November, 2003	Niigata University, Japan
December, 2003 - October, 2007	The National Center for Drug Screening, Shanghai Institute of Materia Medica, CAS
November, 2007 - August, 2011	The Chinese University of Hong Kong, Hong Kong
September, 2011-present	Assistant Professor, Macau Institute for Applied Research in Medicine and Health, Macau University of Science and Technology

### Teaching Subjects:

Natural Product Chemistry

### Research Fields:

Natural Product Chemistry, including the isolation, structural elucidation, and structural modification of natural products, and the qualification and quantification of bioactive natural products and metabolites.

### Selected Publications:

- 1) N. Li, Q. Xia, J.-Q. Ruan, et al. Hepatotoxicity and tumorigenicity induced by metabolic activation of pyrrolizidine alkaloids in herbs. *Curr Drug Metab*, (Epub ahead of print)
- 2) G. Lin,\* J.-Y. Wang,\* N. Li, et al. Hepatic sinusoidal obstruction syndrome associated with consumption of *Gynura segetum*. *J Hepatol*, **54**, 666-673, 2011.
- 3) B. Ma, H. Zha, N. Li, et al. Effect of structural modification of  $\alpha$ -aminoxy peptides on their intestinal absorption and transport mechanism. *Mol Pharmaceut*, **8**, 1073-1082, 2011.
- 4) Y. Zhou, N. Li, F.F.-K. Choi, et al. A new approach for simultaneous screening and quantification of toxic pyrrolizidine alkaloids in some potential pyrrolizidine alkaloid-containing plants by using ultra performance liquid chromatography – tandem quadrupole mass spectrometry. *Anal Chim Acta*, **681**, 33-40, 2010.
- 5) X. Zhou, P.H.-H. Leung, N. Li, et al. Oral absorption and antitussive activity of tuberostemonine alkaloids from the roots of *Stemona tuberosa*. *Planta Med*, **75**, 575-580, 2009.
- 6) G. Lin, S.-L. Li, M. Li, N. Li, et al. Qianliguang (*Senecio scandens*) safety dilemma: dose

is the key? *Planta Med*, **75**, 1107-1111, 2009.

- 7) G. Lin, Z. Zuo, **N. Li**, L. Zhang. Drug-Drug Interactions and Drug-Dietary Chemical Interactions, *In Oral Bioavailability: Basic Principles, Advanced Concepts and Applications, Wiley Series in Drug Discovery and Development. John Wiley & Sons, Inc., Hoboken, USA*, 2009.
- 8) **N. Li**,\* J.-L. Wu, S. Xu, et al. Research progress on medicinal plants of *Peperomia* genus. *Recent Progress in Medicinal Plants*, **20**, 419-431, 2008.
- 9) **N. Li**,\* J.-L. Wu, T. Hasegawa, et al. Bioactive Polyketides from *Peperomia duclouxii*. *J Nat Prod*, **70**, 998-1001, 2007.
- 10) **N. Li**,\* J.-L. Wu, T. Hasegawa, et al. Bioactive Lignans from *Peperomia duclouxii*. *J Nat Prod*, **70**, 544-548, 2007.
- 11) G.-L. Zhang, **N. Li**,\* Y.-H. Wang, Y.-T. Zheng, Z. Zhang, and M.-W. Wang. Bioactive Lignans from *Peperomia heyneana*. *J Nat Prod*, **70**, 662-664, 2007.
- 12) D.-S. Chen, J.-Y. Liao, **N. Li**, et al. A nonpeptidic agonist of glucagon-like peptide 1 receptors with efficacy in diabetic db/db mice. *PNAS*, **104**, 943-948, 2007.
- 13) C.-H. Zhou, S. Zhang, M. Nanamori, Y. Zhang, Q. Liu, **N. Li**, et al. Pharmacological characterization of a novel nonpeptide antagonist for formyl peptide receptor-like 1. *Mol Pharmacol*, **72**, 976-983, 2007.
- 14) J.-L. Wu, **N. Li**,\* T. Hasegawa, et al. Bioactive secolignans from *Peperomia dindygulensis*. *J Nat Prod*, **69**, 790-794, 2006.
- 15) **N. Li**,\* J.-L. Wu, T. Hasegawa, et al. Bioactive dibenzylbutyrolactone and dibenzylbutanediol lignans from *Peperomia duclouxii*. *J Nat Prod*, **69**, 234-239, 2006.
- 16) S. Xu, **N. Li**,\* M.-M. Ning, et al. Bioactive compounds from *Peperomia pellucida*. *J Nat Prod*, **69**, 247-250, 2006.
- 17) M. Zhao, S.-J. Zhang, L.-W. Fu, **N. Li**, et al. Taraxasterane- and ursane-type triterpenes from *Nerium oleander* and their biological activities. *J Nat Prod*, **69**, 1164-1167, 2006.
- 18) P.-K. Yan, M. Nanamori, M.-L. Sun, C.-H. Zhou, N. Cheng, **N. Li**, et al. The Immunosuppressant Cyclosporin A Antagonizes Human Formyl Peptide Receptor through Inhibition of Cognate Ligand Binding. *J Immunol*, **177**, 7050-7058, 2006.
- 19) J.-L. Wu, **N. Li**,\* T. Hasegawa, et al. Bioactive tetrahydrofuran lignans from *Peperomia dindygulensis*. *J Nat Prod*, **68**, 1656-1660, 2005.
- 20) L.-W. Fu, S.-J. Zhang, **N. Li**, et al. Three new triterpenes from *Nerium oleander* and

biological activity of the isolated compounds. *J Nat Prod*, **68**, 198-206, 2005.

### **李娜助理教授**

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)

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李娜助理教授 1999 年畢業於中國藥科大學藥物化學專業，獲得理學博士學位。1999 年至 2001 年在中國醫學科學院協和醫科大學（CAMS&PUMC）藥物研究所從事博士後研究工作。2001 年獲得日本學術振興會（Japan Society for the Promotion of Science）博士後基金的資助，赴日本新潟大學從事博士後研究。2003 年至 2007 年，在中國科學院(CAS)上海藥物研究所/國家新藥篩選中心擔任副研究員，主要從事中藥活性成分的研究工作。2007 年至 2011 年，在香港中文大學生物醫學院從事中藥毒理方面的研究工作。在天然產物研究方面具有豐富的經驗。到目前為止，在 PNAS, Journal of Hepatology, Molecular Pharmaceutics, Journal of Natural Products, Analytica Chimica Acta 等雜誌上共發表研究性論文 30 多篇，其中 SCI 論文 26 篇。申請國際發明專利 5 項，國家發明專利 2 項。

#### **學歷：**

1994 年 7 月，華西醫科大學（現四川大學華西醫學中心）學士學位

1999 年 7 月，中國藥科大學理學博士學位

#### **工作经历：**

1999年9月-2001年10月，中國醫學科學院協和醫科大學藥物研究所  
2001年11月-2003年11月，日本新潟大學  
2003年12月-2007年10月，中國科學院上海藥物研究所/國家新藥篩選中心  
2007年11月-2011年8月，香港中文大學  
2011年9月-今，澳門科技大學，助理教授

**授課科目：**中藥化學

**研究領域：**天然產物化學，主要包括中藥活性成分的分離、結構鑑定、結構修飾改造及活性成分或體內代謝產物的定性定量研究等

**研究論文：**

- 1) N. Li, Q. Xia, J.-Q. Ruan, et al. Hepatotoxicity and tumorigenicity induced by metabolic activation of pyrrolizidine alkaloids in herbs. *Curr Drug Metab*, (Epub ahead of print)
- 2) G. Lin,\* J.-Y. Wang,\* N. Li, et al. Hepatic sinusoidal obstruction syndrome associated with consumption of *Gynura segetum*. *J Hepatol*, **54**, 666-673, 2011.
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- 8) **N. Li,\*** J.-L. Wu, S. Xu, et al. Research progress on medicinal plants of *Peperomia* genus. *Recent Progress in Medicinal Plants*, **20**, 419-431, 2008.
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- 10) **N. Li,\*** J.-L. Wu, T. Hasegawa, et al. Bioactive Lignans from *Peperomia duclouxii*. *J Nat Prod*, **70**, 544-548, 2007.
- 11) G.-L. Zhang, **N. Li,\*** Y.-H. Wang, Y.-T. Zheng, Z. Zhang, and M.-W. Wang. Bioactive Lignans from *Peperomia heyneana*. *J Nat Prod*, **70**, 662-664, 2007.
- 12) D.-S. Chen, J.-Y. Liao, **N. Li**, et al. A nonpeptidic agonist of glucagon-like peptide 1 receptors with efficacy in diabetic db/db mice. *PNAS*, **104**, 943-948, 2007.
- 13) C.-H. Zhou, S. Zhang, M. Nanamori, Y. Zhang, Q. Liu, **N. Li**, et al. Pharmacological characterization of a novel nonpeptide antagonist for formyl peptide receptor-like 1. *Mol Pharmacol*, **72**, 976-983, 2007.
- 14) J.-L. Wu, **N. Li,\*** T. Hasegawa, et al. Bioactive secolignans from *Peperomia dindygulensis*. *J Nat Prod*, **69**, 790-794, 2006.
- 15) **N. Li,\*** J.-L. Wu, T. Hasegawa, et al. Bioactive dibenzylbutyrolactone and dibenzylbutanediol lignans from *Peperomia duclouxii*. *J Nat Prod*, **69**, 234-239, 2006.
- 16) S. Xu, **N. Li,\*** M.-M. Ning, et al. Bioactive compounds from *Peperomia pellucida*. *J Nat Prod*, **69**, 247-250, 2006.
- 17) M. Zhao, S.-J. Zhang, L.-W. Fu, **N. Li**, et al. Taraxasterane- and ursane-type triterpenes from *Nerium oleander* and their biological activities. *J Nat Prod*, **69**, 1164-1167, 2006.
- 18) P.-K. Yan, M. Nanamori, M.-L. Sun, C.-H. Zhou, N. Cheng, **N. Li**, et al. The Immunosuppressant Cyclosporin A Antagonizes Human Formyl Peptide Receptor through Inhibition of Cognate Ligand Binding. *J Immunol*, **177**, 7050-7058, 2006.
- 19) J.-L. Wu, **N. Li,\*** T. Hasegawa, et al. Bioactive tetrahydrofuran lignans from *Peperomia dindygulensis*. *J Nat Prod*, **68**, 1656-1660, 2005.
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