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職稱:副教授

學院/部門:中藥質量研究國家重點實驗室，澳門藥物及健康應用研究院

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簡介：羅培博士現任澳門中藥質量研究國家重點實驗室和澳門科技大學藥物與健康應用研究院副教授。先後就讀於華西醫科大學藥學院（獲藥學—學士學位）和四川大學華西藥學院藥理學5年直博（獲藥理學—理學博士學位）。2008年11月-2011年8月於香港浸會大學中醫藥學院教學部從事博士後研究工作。期間一直從事中西藥心血藥藥理評價、配伍作用和分子細胞水平作用機制研究，已在包括 Mitochondrion, Oxidative Medicine and Cellular Longevity, Talanta, Pharmacological Research, PLoS One, Journal of Pharmacology and Experimental Therapeutics, Journal of Ethnopharmacology, Phytomedicine 等發表多篇學術論文，其中 SCI 收錄論文超過 30 篇，並獲得 4 項已授權國際專利及中國發明專利。近年來課題組的研究主要集中研究人參，黃芪等心血管活性成分，從線粒體動態，代謝及 DNA 多靶點干預心血管疾病的創新作用机理研究。目前羅博士的研究主要獲得澳門科技發展基金和澳門基金會的資助。

學歷

2003 年 7 月，四川大學藥學學士學位

2008 年 7 月，四川大學藥理學博士學位（5 年直博）

教學經驗

2017.6 - 今

澳門科技大學中藥質量研究國家重點實驗室 副教授

2011.9 – 2017.6 澳門科技大學中藥質量研究國家重點實驗室 助理教授
2008.10 – 2011.8 香港浸會大學中醫藥學院 博士後研究員
2003.10 – 2004.12 成都地奧集團公司新藥研究所 研究助理

教研領域

授課科目：藥理與毒理學，臨床藥理學，中藥藥理實驗方法學

研究領域：心血管藥理與線粒體，中藥藥理學

學術論文[* , corresponding author(s); †, contribution equally/sharing first authorship]

- 1) Zuo YH, Han QB, Dong GT, Yue RQ, Ren XC, Liu JX, Liu L, **Luo P***, Zhou H*. Panax ginseng Polysaccharide Protected H9c2 Cardiomyocyte From Hypoxia/Reoxygenation Injury Through Regulating Mitochondrial Metabolism and RISK Pathway. *Frontiers in Physiology*. 2018, Jun 15;9:699.
- 2) Zhang C, Zhang K, Huang F, Feng W, Chen J, Zhang H, Wang J, **Luo P**, Huang H. Exosomes, the message transporters in vascular calcification. *Journal of cellular and molecular medicine*. 2018.Review.
- 3) He L, Zhang Z, Liu Y, Chen D, Yuan M, Dong G, **Luo P***, Yan Z*. Rapid discrimination of raw and sulfur-fumigated Smilax glabra based on chemical profiles by UHPLC-QTOF-MS/MS coupled with multivariate statistical analysis. *Food Research International*. 2018, Jun;108:226-236.
- 4) Li Y, Ren X, Lio C, Sun W, Lai K, Liu Y, Zhang Z, Liang J, Zhou H, Liu L, Huang H, Ren J*, **Luo P***, A chlorogenic acid-phospholipid complex ameliorates post-myocardial infarction inflammatory response mediated by mitochondrial reactive oxygen species in SAMP8 mice. *Pharmacological Research*. 2018, Apr;130:110-122.
- 5) Xuecong Ren, Li Chen, Jing Xie, Zhifeng Zhang, Gengting Dong, Jie Liang, Liang Liu, 2, Hua Zhou*, **Pei Luo***. Resveratrol Ameliorates Mitochondrial Elongation via Drp1/Parkin/PINK1 Signaling in Senescent-like Cardiomyocytes. *Oxidative Medicine and Cellular Longevity*, 2017.
- 6) Zhou H, Liu JX, Luo JF, Cheng CS, Leung EL, Li Y, Su XH, Liu ZQ, Chen TB, Duan FG, Dong Y, Zuo YH, Li C, Lio CK, Li T, **Luo P**, Xie Y, Yao XJ, Wang PX, Liu L*. Suppressing mPGES-1 expression by sinomenine ameliorates inflammation and arthritis.

- Biochemical Pharmacology***. 2017 Oct 15; 142:133-144.
- 7) Jin Gao, Ming Chen, Xuecong Ren, Xiaobo Zhou, Qiang Shang, WQ Lu, **Pei Luo***, ZH Jiang*. Synthesis and cardiomyocyte protection activity of crocetin diamide derivatives. ***Fitoterapia***. 2017 Sep; 121:106-111.
 - 8) QianLong Wan, Jing Xie, XingDe Lia, Tao WJ, LiSheng Ding, Jian Liang, **Pei Luo***, Lin-Sen Qing*. An efficient direct competitive nano-ELISA for residual BSA determination in vaccines. ***Analytical and Bioanalytical Chemistry***. 2017 Jul;409(19):4607-4614.
 - 9) QianLong Wan, Jing Xie, XingDe Lia, LiSheng Ding, Jian Liang, **Pei Luo***, Lin-Sen Qing*. Development of a nano-SiO₂ based enzyme-linked ligand binding assay for the determination of ibuprofen in human urine. ***Talanta***. Volume 167, 15 May 2017, Pages 617-622.
 - 10) Huang BM, Xiao SY, Chen TB, Xie Y, **Luo P**, Liu L, Zhou H*. Purity assessment of ginsenoside Rg1 using quantitative ¹H nuclear magnetic resonance. ***Journal of Pharmaceutical and Biomedical Analysis***. 2017 May 30; 139:193-204.
 - 11) Zhifeng Zhang, Yuan Liu, Xuecong Ren, Hua Zhou, KaishunWang, Hao Zhang, and **Pei Luo***. Caffeoylquinic Acid Derivatives Extract of Erigeron multiradiatus Alleviated Acute Myocardial Ischemia Reperfusion Injury in Rats through Inhibiting NF-KappaB and JNK Activations. ***Mediators of Inflammation***. Volume 2016, Article ID 7961940, 11 pages
 - 12) Jing Xie, Jie Li, Jian Liang, **Pei Luo***, Lin-Sen Qing*, Li-Sheng Ding. Determination of Contents of Catechins in Oolong Teas by Quantitative Analysis of Multi-components Via a Single Marker (QAMS) Method. ***Food Analytical Methods***. 2016, DOI 10.1007/s12161-016-0592-5
 - 13) Jianxin Liu, Jinshan Tang, Yihan Zuo, Yang Yu, **Pei Luo**, Xinsheng Yao, Yan Dong, Peixun Wang, Liang Liu*, Hua Zhou*. Staurosion B inhibits macrophage activation by inhibiting NF-kappa B and ERK MAPK signaling. ***Pharmacological Research***. (2016) 303–315
 - 14) **LUO Pei**, DONG Gengting, LIU Liang, ZHOU Hua*. The Long-Term Consumption of Ginseng Extract Reduces the Susceptibility of Intermediate-Aged Hearts to Acute Ischemia Reperfusion Injury. ***PLoS One***. 2015 Dec 9; 10(12):e0144733. doi: 10.1371/journal.pone.0144733.
 - 15) DONG Gengting, CHEN Tingbo, REN Xuecong, ZHANG Zhifeng, HUANG Weixue,

- LIU Liang, **LUO Pei***, ZHOU Hua*. Rg1 prevents myocardial hypoxia/reoxygenation injury by regulating mitochondrial dynamics imbalance via modulation of glutamate dehydrogenase and mitofusin 2. *Mitochondrion*. 2015 Nov 24; 26:7-18.
- 16) ZHANG Zhifeng, HE Lili, LU Luyang, LIU Yuan, DONG Gengting, MIAO Janhua*, **LUO Pei***. Characterization and quantification of the chemical compositions of *Scutellariae Barbatae herba* and differentiation from its substitute by combining UHPLC–PDA–QTOF–MS/MS with UHPLC–MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*. 2015 May 10; 109:62-6. doi: 10.1016/j.jpba.2015.02.025.
- 17) ZHANG ZhiFeng, LIU Yuan, LU Luyang, **LUO Pei***. Hepatoprotective activity of *Gentiana veitchiorum* Hemsl. against carbon tetrachloride induced hepatotoxicity in mice. *Chinese Journal of Natural Medicines*. 2014, 12(7):0001-0007.
- 18) **LUO Pei**, HOU Shaozhen, DONG Gengting, CHEN Tingbo, LIU Liang, ZHOU Hua*. Effectiveness of Panax ginseng on Acute Myocardial Ischemia Reperfusion Injury Was Abolished by Flutamide via Endogenous Testosterone-Mediated Akt Pathway. *Evidence-Based Complementary and Alternative Medicine*, vol. 2013, Article ID 817826, 9 pages, 2013. doi:10.1155/2013/817826.
- 19) ZHANG Zhifeng, LU Luyang, **LUO Pei**, Qing Linsen , LIU Yuan. Two new ursolic acid saponins from *Morina nepalensis* var. *alba* Hand-Mazz. *Natural Product Research*. 2013. DOI: 10.1080/14786419.2013.824441
- 20) **LUO Pei**[†], WONG Yuanfong[†], GE Lin, ZHANG Zhifeng, LIU Yuan, LIU Liang, ZHOU Hua. Anti-inflammatory and analgesic effect of plumbagin through inhibition of nuclear factor-kappaB activation. *Journal of Pharmacology and Experimental Therapeutics*. 335, 735-742, 2010.
- 21) ZHOU Hua, HOU Shaozhen, **LUO Pei**, ZEN Bao, WANG Jingrong, WONG Yuanfong, JIANG Zhihong, LIU Liang. Ginseng protects rodent hearts from acute myocardial ischemia reperfusion injury through GR/ER-activated RISK pathway in an endothelial NOS-dependent mechanism. *Journal of Ethnopharmacology*. **135**, 287-298, 2011.
- 22) YI Xiaoqin, LI Ting, WANG Jingrong, Wong V.-K., **LUO Pei**, Wong Y.-F., JIANG Zhihong, LIU Liang, ZHOU Hua. Total ginsenosides increase coronary perfusion flow in isolated rat hearts through activation of PI3K/Akt-eNOS signaling. *Phytomedicine*. **17**, 1006-1015, 2010.

- 23) ZHANG Zhifeng, **LUO Pei**, LI Jie, ZHANG Hao*. Comparison of the antiinflammatory activities of three medicinal plants known as "meiduoluomi" in Tibetan folk medicine. *YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN*. **128**, 805-810, 2008.
- 24) **LUO Pei**, TAN Zhenghuai, ZHANG Zhifeng, LI Honghao, MO Zhengji*. Inhibitory effects of salvianolic acid B on the high glucose-induced mesangial proliferation via NF-kappaB-dependent pathway. *Biological and Pharmaceutical Bulletin*. **31**, 1381-1386, 2008.
- 25) **LUO Pei**, ZHANG Zhifeng, YI Tao, ZHANG Hao, MO Zhengji*. Anti-inflammatory activity of the extracts and fractions from Erigeron multiradiatus through bioassay-guided procedures. *Journal of Ethnopharmacology*. **119**, 232-237, 2008.
- 26) **LUO Pei**, TAN Zhenghuai, ZHANG Zhifeng, ZHANG Hao, LIU Xianfu, MO Zhengji*. Scutellarin isolated from Erigeron multiradiatus inhibits high glucose-mediated vascular inflammation. *YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN*. **128**, 1293-1299, 2008.

研究項目 (as PI):

- 1) 2012~2015 年 Application of living-cell imaging technique in research of cardiomyocyte mitochondrial dynamics and mechanistic study of anti-ischemia heart disease effects of protopanaxatriol-type Ginsenosides (基於活細胞可視化技術線粒體動態變化的評價及原人參三醇型人參皂苷治療缺血性心臟病作用機制的研究). At Macau University of Science and Technology. Science & Technology Development Fund (FDCT) of Macao SAR (澳門科學技術發展基金), 073/2011/A3.
- 2) 2013~2017 年 Role of microtubule motors in aging myocardial ischemic preconditioning and effects of piceatannol and its dimers (微管馬達連接器與老化心肌缺血預適應的關係及白皮杉醇型芪類化合物的幹預作用). At Macau University of Science and Technology. Science & Technology Development Fund (FDCT) of Macao SAR (澳門科學技術發展基金), 052/2013/A2.
- 3) 2012~2013 年 Semi-quantitation of mitochondrial dynamics in H/R- induced cardiomyocytes H9c2 (缺氧復氧損傷 H9c2 線粒體動態變化的半定量分析方法研究). Macao Foundation of Macao SAR (澳門基金會).