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CONTACT INFORMATION

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ACADEMIC QUALIFICATIONS

2011/7-2015/6 PhD in Chinese Medicine, School of Chinese Medicine, the University of Hong Kong, Hong Kong
2006/9-2009/6 M.Sc. in Integrative Medicine of Western and Chinese Traditional Medicine, Huazhong University of Science and Technology, Wuhan, China
2001/9-2006/6 B.Sc. in Traditional Chinese Medicine, Hubei University of Traditional Chinese Medicine, Wuhan, China

PROFESSIONAL QUALIFICATION

2014 Hong Kong Certificate of Registration for Chinese Medicine Practitioner
Hong Kong Practising Certificate for Registered Chinese Medicine Practitioner
Member of Hong Kong Association of Traditional Chinese Medicine

POSITIONS HELD

2021/1-Present Assistant Lecturer, School of Chinese Medicine, The University of Hong Kong, Hong Kong
2016/1-2020/12 Post-doctoral fellow in Chinese Medicine, School of Chinese Medicine, The University of Hong Kong, Hong Kong
2017/2-present Honorary Research Associate, Department of Chinese Medicine, The University of Hong Kong-Shenzhen Hospital, Shenzhen, China
2015/9-2016/1 Research assistant in Chinese Medicine, School of Chinese Medicine, University of Hong Kong, Hong Kong

RESEARCH INTEREST

The therapeutic effects and the underlying mechanism of Chinese medicines in the neurodegenerative disease, depression and pain.

SELECTED PUBLICATIONS (*. Correspondence: # co first author)

1. K. Y. Tong[#], **J. Zhao[#]**, C. Tse, P. Wan, J. Rong and H. Y. Au-Yeung*. Selective Catecholamine Detection in Living Cells by a Copper-based Oxidative Reactivity. *Chem. Sci.* 2019; 10 (37), 8519-8526. DOI: 10.1039/C9SC03338F.
2. **Zhao J[#]**, Luo D[#], Zhang Z, Fan N, Wang Y, Nie H, Rong J*. Celastrol-loaded PEG-PCL nanomicelles ameliorate inflammation, lipid accumulation, insulin resistance and gastrointestinal injury in diet-induced obese mice. *J Control Release.* 2019; 310, 188-197. doi: 10.1016/j.jconrel.2019.08.026.
3. **Zhao J**, Lao L, Cui W, Rong J*. Potential link between the RagA-mTOR-p70S6K axis and depressive-behaviors during bacterial liposaccharide challenge. *J Neuroinflammation.* 2019 Nov 11;16(1):211.
4. **Jia Zhao***, Mengxia Zhu, Mukesh Kumar, Fung Yin Ngo, Yinghui Li, Lixing Lao, Jianhui Rong. A pharmacological appraisal of neuroprotective and neurorestorative flavonoids against neurodegenerative diseases. *CNS Neurol Disord Drug Targets.* 2019;18(2):103-114. doi: 10.2174/1871527317666181105093834.
5. Zhao Y[#], **Zhao J[#]**, Zhang X, Cheng Y, Luo D, Lee SM, Lao L, Rong J*. Botanical Drug Puerarin Promotes Neuronal Survival and Neurite Outgrowth against MPTP/MPP + -Induced Toxicity via Progesterone Receptor Signaling. *Oxid Med Cell Longev.* 2020 Oct 17;2020:7635291. doi: 10.1155/2020/7635291. eCollection 2020.
6. Fung Yin Ngo, Weiwei Wang, Qilei Chen, **Jia Zhao**, Hubiao Chen, Jin-Ming Gao, Jianhui Rong*. Network Pharmacology Analysis and Molecular Characterization of the Herbal Medicine Formulation Qi-Fu-Yin for the Inhibition of the Neuroinflammatory Biomarker iNOS in Microglial BV-2 Cells: Implication for the Treatment of Alzheimer's Disease. *Oxid Med Cell Longev.* 2020 Aug 31;2020:5780703. doi: 10.1155/2020/5780703. eCollection 2020.
7. Luo D, **Zhao J**, Cheng Y, Lee SM, Rong J*, N-Propargyl Caffeamide (PACA) Ameliorates Dopaminergic Neuronal Loss and Motor Dysfunctions in MPTP Mouse Model of Parkinson's Disease and in MPP+ -Induced Neurons via Promoting the Conversion of proNGF to NGF, *Mol Neurobiol*, 2018 Mar;55(3):2258-2267. doi: 10.1007/s12035-017-0486-6.
8. **Jia Zhao**, Dan Luo, Zhaohui Liang, Lixing Lao, Jianhui Rong*. Plant Natural Product Puerarin Ameliorates Depressive Behaviors and Chronic Pain in Mice with Spared Nerve Injury (SNI). *Molecular Neurobiology*, 2017 May;54(4):2801-2812. doi: 10.1007/s12035-016-9870-x.
9. **Jia Zhao**, Yuanyuan Cheng, Chuanbin Yang, Sam Lau, Lixing Lao, Bo Shuai, Jing Cai, Jianhui Rong*. Botanical drug puerarin attenuates 6-hydroxydopamine (6-OHDA)- induced neurotoxicity via upregulating mitochondrial enzyme arginase-2. *Molecular Neurobiology*, 2016 May;53(4):2200-11. doi: 10.1007/s12035-015-9195-1.
10. **Jia Zhao**, Yuanyuan Cheng, Wen Fan, Chuanbin Yang, Shuifen Ye, Wei Cui, Wei Wei, Lixing Lao, Jing Cai, Yifan Han, Jianhui Rong*. Botanical drug puerarin coordinates with nerve growth factor (NGF) in the regulation of neuronal survival and neurite extension via activating ERK1/2 and PI3K/Akt signaling pathways in the neurite extension process. *CNS Neuroscience & Therapeutics.* 2015 Jan;21(1):61-70.

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聯絡方法

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學歷

2011/7-2015/6 博士，香港大學
2006/9-2009/6 醫學碩士，華中科技大學
2001/9-2006/6 醫學學士，湖北中醫藥大學

專業資質

2014 獲香港中醫藥管理委員會頒發《中醫註冊證明書》及《中醫執業證書》，香港中醫協會會員

職務

2021/1-現在 香港大學中醫藥學院助理講師
2016/1-2020/12 香港大學中醫藥學院博士後研究員
2017/2-現在 香港大學深圳醫院榮譽副研究員
2015/9-2016/1 香港大學中醫藥學院研究助理

研究領域

中醫藥治療神經退行性疾病，抑鬱症及疼痛的機理

代表著作 (*, 通訊作者; #共同第一作者)

1. K. Y. Tong[#], **J. Zhao**[#], C. Tse, P. Wan, J. Rong and H. Y. Au-Yeung*. Selective Catecholamine Detection in Living Cells by a Copper-based Oxidative Reactivity. *Chem. Sci.* 2019; 10 (37), 8519-8526. DOI: 10.1039/C9SC03338F.
2. **Zhao J**[#], Luo D[#], Zhang Z, Fan N, Wang Y, Nie H, Rong J*. Celastrol-loaded PEG-PCL nanomicelles ameliorate inflammation, lipid accumulation, insulin resistance and gastrointestinal injury in diet-induced obese mice. *J Control Release.* 2019; 310, 188-197. doi: 10.1016/j.jconrel.2019.08.026.
3. **Zhao J**, Lao L, Cui W, Rong J*. Potential link between the RagA-mTOR-p70S6K axis and depressive-behaviors during bacterial liposaccharide challenge. *J Neuroinflammation.* 2019 Nov 11;16(1):211.
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5. Zhao Y[#], **Zhao J**[#], Zhang X, Cheng Y, Luo D, Lee SM, Lao L, Rong J*. Botanical Drug Puerarin Promotes Neuronal Survival and Neurite Outgrowth against MPTP/MPP +-Induced Toxicity via Progesterone Receptor Signaling. *Oxid Med Cell Longev.* 2020 Oct 17;2020:7635291. doi: 10.1155/2020/7635291. eCollection 2020.
6. Fung Yin Ngo, Weiwei Wang, Qilei Chen, **Jia Zhao**, Hubiao Chen, Jin-Ming Gao, Jianhui Rong*. Network Pharmacology Analysis and Molecular Characterization of the Herbal Medicine Formulation Qi-Fu-Yin for the Inhibition of the Neuroinflammatory Biomarker iNOS in Microglial BV-2 Cells: Implication for the Treatment of Alzheimer's Disease. *Oxid Med Cell Longev.* 2020 Aug 31;2020:5780703. doi: 10.1155/2020/5780703. eCollection 2020.

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8. **Jia Zhao**, Dan Luo, Zhaohui Liang, Lixing Lao, Jianhui Rong*. Plant Natural Product Puerarin Ameliorates Depressive Behaviors and Chronic Pain in Mice with Spared Nerve Injury (SNI). *Molecular Neurobiology*, 2017 May;54(4):2801-2812. doi: 10.1007/s12035-016-9870-x.
9. **Jia Zhao**, Yuanyuan Cheng, Chuanbin Yang, Sam Lau, Lixing Lao, Bo Shuai, Jing Cai, Jianhui Rong*. Botanical drug puerarin attenuates 6-hydroxydopamine (6-OHDA)- induced neurotoxicity via upregulating mitochondrial enzyme arginase-2. *Molecular Neurobiology*, 2016 May;53(4):2200-11. doi: 10.1007/s12035-015-9195-1.
10. **Jia Zhao**, Yuanyuan Cheng, Wen Fan, Chuanbin Yang, Shuifen Ye, Wei Cui, Wei Wei, Lixing Lao, Jing Cai, Yifan Han, Jianhui Rong*. Botanical drug puerarin coordinates with nerve growth factor (NGF) in the regulation of neuronal survival and neuritogenesis via activating ERK1/2 and PI3K/Akt signaling pathways in the neurite extension process. *CNS Neuroscience & Therapeutics*. 2015 Jan;21(1):61-70.