



26 years old



China, Beijing



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ABOUT ME

I am currently a final year (2019-2020) Master student in School of Life Science, the Beijing Institute of Technology, supervised by Prof. Hong Qing.

My research lies on the mechanism and therapies of Alzheimer's Disease. I am dedicated to the interacting proteins of β -secretase. I also have expertise in deep studying for neural stem cell transplantation therapy. Besides that, I have written a review on microglia and aging which rouse my interest on neural neuroinflammation.

In PhD period, I want to do further study on the mechanism of neurodegenerative disease.

LANGUAGE

English (IELTS: 6.5)

Deutsch (capable for daily communication)

HOBBIES



Reading



Music



Swimming



Travel



CHUNXU YUAN

Objective: PhD for 2020

EDUCATION

2011.09-2015.06

Southern Medical University

Biotechnology (Bachelor)

2017.09-2020.06

Beijing Institute of Technology

Biology - neurobiology (Master)

RESEARCH EXPERIMENT AND ACHIEVEMENT

2017.11-2018.05 The neuroprotective effect of Zhengtian Pill (ZTP)

By treating KM mice with ZTP, LPS, Vitamin E and resveratrol, we found the antioxidative action and other positive effects of ZTP. I participated in the animal test and molecular part.

2017.08-2018.11 Neural stem cells (NSCs) transplantation in AD mice

Through injected NSCs in the brain of AD mice, we found decreased neurofibrillary tangles and improved learning memory. I implemented all the cell experiment and Stereotactic Injection independently and I participated the behavioral tests and Immunohistochemistry with my partner.

2018.06-2020.06 The interaction between β -secretase and zinc finger protein

I am working on the interaction of ZNF335 and BACE1 on the pathogenesis of Alzheimer's Disease all by myself, now I have almost get the binding site of ZNF35 and BACE1 promoter, and the animal part is ongoing.

RESEARCH TECHNIQUES

Animal Experiment

Stereotactic Injection, various Behavior tests

Cell Experiment

Cell differentiation, primary cell extraction, transfection, Immunocytochemistry etc.

Molecular Experiment

Molecular cloning, Immunohistochemistry, Western blot, Real-time Quantitative PCR etc.

PUBLICATION

Chunxu Yuan, Ailikemu • Aierken, Juan Zhao, Nuomin Li, and Hong Qing. (2019). The age-related microglial transformation in Alzheimer's Disease pathogenesis. (under-review by Aging Cell)

Heao Zhang, **Chunxu Yuan**, Zhenzhen Quan, Hong Qing. (2018). Neural stem cell transplantation improves the ability of learning and memory of tau/tta mice by eliminating neurofibrillary tangles, the 48th Annual Meeting of the Society for Neuroscience (SfN), Neuroscience 2018, Abstract Control Number: 11586

Yang, L. , Xu, B. , **Yuan, C.** , Dai, Z. , Wang, Y. , & Li, Q. , et al. (2019). The antioxidative action of ztp by increasing nrf2/are signal pathway. Evidence-based Complementary and Alternative Medicine, 2019, 1-9.