



Name: 陶武成 TAO WUCHENG

Institute: school of basic medical (学院): school of basic medical
 Department: cellular department (科室): cellular department
 Professional Title: professor (教学职称): professor
 Teaching Title: professor (教学职称): professor
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Work Experience (工作经历)

Period (起止时间): 2020.02-current
 Institution/University, City, Country (国家/大学/机构/职称): professor, FJMU

Education (教育背景)

When&where to obtain the highest degree (何时何地获得最高学位及学历)

Period (起止时间): 2020.09-2014.12
 University, City, Country (国家/大学/最高学位): phd, University of Washington, USA

Overseas Experience 出国经历

including study, research and foreign aid (含留学、援外、研修)

Period (起止时间): 2015.06-2019.12
 Institution/University, City, Country (国家/大学/机构/职称): postdoc, UCSF, USA

Major & Research Direction (招生专业及研究方向)

Disipline Level I (一级学科)	Disipline Level II&III (专业名称: 二科+三级学科)	Research Direction (研究方向及专长)	Level (层次)	Type (学位类型)
Basic medical sciences	neuroscience	brain function and diseases	<input checked="" type="checkbox"/> P.H.D/M.D	<input checked="" type="checkbox"/> Academic
			<input checked="" type="checkbox"/> Master	<input type="checkbox"/> Professional
			<input type="checkbox"/> P.H.D/M.D	<input type="checkbox"/> Academic
			<input type="checkbox"/> Master	<input type="checkbox"/> Professional

Personal Profile (基本情况简介)

(around 150 words, including basic introduction, research direction, teaching experience as supervisor for international students)

We are interested in the mechanism of learning and memory, from the perspectives of molecular, synapse, circuit and system levels. Particularly, our current work is focus on the basic mechanism of synaptic transmission and synaptic plasticity. We use various techniques, such as electrophysiology, molecular biology, biochemical, optogenetics and behavioral assays to tackle these questions. Since many neurological disorder patients have memory impairments, such as Alzheimer's disease (AD), we also study AD progression, with the hope that our work shed new insights on AD and provide new therapeutic targets.