

简 历 (2016.11)



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主要研究方向:

面孔和情绪识别及其发育 (fMRI)
微重力相关脑结构功能变化 (结构与功能 MRI)
临床心理学

经历

- 2016- , 新疆石河子大学师范学院心理系, 绿洲学者特聘教授, 硕士生导师
- 2010-2016, 美国查尔斯顿, 南卡罗来那医科大学 博士后; Medical University of South Carolina, Department of Neuroscience & Department of Radiology, post doctoral scholar
- 2005-2009 北京, 北京大学医学部 博士研究生, 应用心理学专业
其间 于北京大学医学部学生心理咨询中心兼任心理咨询
- 其间 2008.4-10 北京市劳教局教育处, 北京市选派挂职锻炼 (处长助理)
- 2003-2005 武汉, 武汉工程大学 材料学院, 助教
- 2000-2003 武汉, 武汉大学 化学与分子工程学院, 硕士研究生
- 1996-2000 长春, 吉林大学 化学系, 本科

科研项目

国家自然科学基金项目(31660280), 2017-2020: 面孔识别和表情识别民族差异的脑机制研究: 以新疆汉、维、哈族为对象 (主持, 39 万元)

承担课程

本科生: 普通心理学

研究生: 心理健康教育概论

获奖

Trainee stipend for the ISMRM Workshop (2014) , \$200

Travel award, Annual Meeting - Organization for Human Brain Mapping. (2013) , \$700

北京大学 光华奖学金 (2007)

论文

主要作者:

Roberts, D.R., Chatterjee, A.R., Yazdani, M., Marebwa, B., Brown, T., Collins, H., Bolles, G., Jenrette, J.M., Nietert, P.J., **Zhu, X.** (2016) Pediatric Patients Demonstrate Progressive T1-Weighted Hyperintensity in the Dentate Nucleus following Multiple Doses of Gadolinium-Based Contrast Agent, *American Journal of Neuroradiology*, in press

Zhu, X., Bhatt, R.S., Joseph, J.E. (2016) "Pruning or tuning? Maturation profiles of face specialization during typical development" *Brain and Behavior*, 6(6), e00464

Taheria, S., **Zhu, X.**, See, R.E., Joseph, J.E., Reichel, C.M. (2016) "Cocaine and methamphetamine induce opposing changes in BOLD signal response in rats" *Brain Research* 1642:497-504 (并列第一作者)

Zhu, X., Kelly, T. H., Curry, T. E., Jr., Lal, C., & Joseph, J. E. (2015). Altered functional brain asymmetry for mental rotation: effect of estradiol changes across the menstrual cycle. *Neuroreport*. 26(14), 814-819

Roberts, D. R., **Zhu, X.**, Tabesh, A., Duffy, E. W., Ramsey, D. A., & Brown, T. R. (2015). Structural Brain Changes following Long-Term 6 degrees Head-Down Tilt Bed Rest as

an Analog for Spaceflight. *AJNR Am J Neuroradiol.* 36: 2048-2054 (第一作者Roberts, D. R.,为博士后指导老师, 通讯作者)

Joseph, J. E., **Zhu, X.**, Corbly, C. R., DeSantis, S., Lee, D. C., Baik, G., et al. (2015). Influence of neurobehavioral incentive valence and magnitude on alcohol drinking behavior. *Neuroimage*, 104, 373-385. (第一作者Joseph, J.E. 为博士后指导老师, 通讯作者)

Joseph, J. E., **Zhu, X.**, Gundran, A., Davies, F., Clark, J. D., Ruble, L., et al. (2015). Typical and atypical neurodevelopment for face specialization: an fMRI study. *J Autism Dev Disord*, 45(6), 1725-1741. (第一作者Joseph, J.E. 为博士后指导老师, 通讯作者)

Zhu, X., Wang, X., Parkinson, C., Cai, C., Gao, S., Hu, P.C. Brain activation evoked by erotic films varies with different menstrual phases: An fMRI study. *Behav Brain Res* (2010), 206:279–285

群众作者:

Gerlach, C., **Zhu, X.**, & Joseph, J. E. (2015). Structural similarity exerts opposing effects on perceptual differentiation and categorization: an FMRI study. *J Cogn Neurosci*, 27(5), 974-987

Hanlon, C. A., M. M. Owens, J. E. Joseph, **X. Zhu**, M. S. George, K. T. Brady and K. J. Hartwell (2016). "Lower subcortical gray matter volume in both younger smokers and established smokers relative to non-smokers." *Addict Biol* 21(1): 185-195.

Collins, H. R., **Zhu, X.**, Bhatt, R. S., Clark, J. D., & Joseph, J. E. Process- and domain-specificity in regions engaged for face processing: an fMRI study of perceptual differentiation. *Journal of Cognitive Neuroscience* (2012) 24(12):2428-44

会议摘要

Marebwa B, **Zhu X**, Duffy EW, Roberts DR, "Validity of a computational fluid dynamics simulation for the non-invasive prediction of intracranial venous pressures in an earth-based patient model of VIIP syndrome", NASA Human Research Program Investigators Workshop, Galveston, TX, February 2016.

Xun Zhu, Truman Brown, Edward Duffy, Donna Roberts, Assessment of the Morphological Changes of the Brain during Prolonged Bedrest as a Spaceflight Analog. International Hydrocephalus Imaging Working Group Meeting. Chicago, April 30 – May 1, 2015.

Xun Zhu, Truman Brown, Edward Duffy, Donna Roberts, "Assessment of the Morphological Changes of the Brain during Prolonged Bedrest as a Spaceflight Analog", Aerospace Medical Association 86th Annual Scientific Meeting (ASMA). Lake Buena Vista, FL, May 10-14, 2015.

Xun Zhu, PhD., Edward W. Duffy, Truman Brown, Ph.D., Donna R. Roberts, MD, "Gravitational Effects of Prolonged Bedrest on the Brain, an MRI Study", NASA Human

Research Program Investigators' Workshop Integrated Pathways to Mars, January 13-15, 2015, Galveston, TX.

- Zhu, X.**, Davies, F., Forman, E., Andersen, A., Zhang, Z., Blonder, L.X., Bhatt, R.S., Naselaris, T., Hardy, P. Joseph, J.E., (2014, June, accepted abstract) fMRI activation constrained by looking behavior in alert and behaviorally naive non-human primates, ISMRM Workshop on Functional MRI: Emerging Techniques & New Interpretations, Charleston, SC
- Kellermann, T., Nesland, T., Bonilha, L., Clark, J., Glaser, P., Tabesh, A., **Zhu, X.**, Davies, F., Bhatt, R., & Joseph, J. (June, 2014). Relation between anatomical network connectivity and face specialization in Autism Spectrum Disorder. Poster to be presented at the 20th Annual Meeting of the Organization for Human Brain Mapping, Hamburg, Germany.
- Joseph, J. E., **Zhu, X.**, Davies, F., Swearingen, J., Corbly, C. R., Kangas, A., Forman, E., Andersen, A., Zhang, Z., Blonder, L. X., Bhatt, R. S., Hardy, P. R. (2013, September). fMRI in freely viewing non-human primates as a tool to understand functional brain development. Poster presented at the Inaugural Flux Congress, Pittsburgh, PA.
- Zhu, X.**, Joseph, J. E., Corbly, C. R., Davies, F., Forman, E., Evans, A., Kangas, A., Andersen, A., Zhang, Z., Blonder, L. X., Bhatt, R. S., Hardy, P. (2013, June), Functional MRI of awake non-human primates: using eye-tracking to improve imaging quality, 2013 Annual Meeting - Organization for Human Brain Mapping, Seattle, WA
- Joseph, J. E., Clark, J. D., **Zhu, X.**, Swearingen, J. E., Ruble, L., Glaser, P., Bhatt, R. S. (2012). Brain basis of face processing in Autism Spectrum Disorder: Developmental delay or atypical functional organization? Program No. 245.03. 2012 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2012. Online.
- Swearingen, J. E., **Zhu, X.**, Clark, J. D., Bhatt, R. S., Ruble, L., Davies, F., Glaser, P., Joseph, J. E., (2012). Brain Networks in Autism Spectrum Disorder: a graph theoretic approach to functional connectivity. Program No. 245.01. 2012 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2012. Online.
- Reichel, C. M., **Zhu, X.**, Taheri, S., Nie, X., Joseph, J. E., & See, R. E. (2011, December) Methamphetamine induced signal change in rats: An fMRI study. American College of Neuropsychopharmacology.
- Zhu, X.**, Gao S., Hu PC. Right Inferior Frontal Gyrus is Involved in the Processing of Visual Sexual Stimuli: an fMRI Study. (2009, Oct) Yangtze River 2009 International Congress on Medical Imaging Physics & The 5th National Annual Meeting of Medical Imaging. Nanjing, China

审稿

Psychoneuroendocrinology

Organization for Human Brain Mapping Annual Meeting abstract (2014)
