Personal Information

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Education

- Ph.D. in Pattern Recognition and Intelligence System Sept. 2005-Jul. 2008
  National Laboratory of Pattern Recognition,
  Institute of Automation, Chinese Academy of Sciences, Beijing, China
- M.S. in Mathematics Sept. 2002-Jul. 2005
  Dept. of Mathematics, Beijing University of Technology, Beijing, China
- B.S. in Mathematics Sept. 2002-Jul. 2005
  Dept. of Mathematics, Qufu Normal University, Shandong, China

Work Experience

- Assistant Research Professor, Institute of Automation, Chinese Academy of Sciences
  Jul. 2008 --- Sept. 2011
- Associated Research Professor, Institute of Automation, Chinese Academy of Sciences
  Oct. 2011 --- Sept. 2016
- Visiting Scholar, Brain Mapping Unit, University of Cambridge
  Apr. 2011 --- Mar. 2012
- Professor, Institute of Automation, Chinese Academy of Sciences
  Oct. 2016 --- now

Research Interests

- Brain Network and its Alteration in Brain Diseases
- Brain Imaging Analysis

Bibliography (Google Scholar) Researcher ID: F-2682-2011

Selected Journal Publications

[1] **Liu Y**, Yu C, Zhang X, Liu J, Duan Y, Alexander-Bloch AF, Liu B, Jiang T, Bullmore E. Impaired Long Distance Functional Connectivity and Weighted Network Architecture in Alzheimer's Disease. Cereb Cortex. 2014;24(6):1422-35.

[2] Zhan YF, Yao HX, Wang P, Zhou B, Zhang ZQ, Guo YE, An NY, Ma JH, Zhang X, **Liu Y.** Network-Based Statistic Show Aberrant Functional Connectivity in Alzheimer's Disease. IEEE Journal of Selected Topics in Signal Processing. 2016;10(7):1182-8.

[3] Liu J, Zhang X, Yu C, Duan Y, Zhuo J, Cui Y, Liu B, Li K, Jiang T, **Liu Y**. Impaired Parahippocampus Connectivity in Mild Cognitive Impairment and Alzheimer's Disease. J Alzheimers Dis. 2016;49(4):1051-64.

[4] Guo Y, Zhang Z, Zhou B, Wang P, Yao H, Yuan M, An N, Dai H, Wang L, Zhang X, **Liu Y.** Grey-matter volume as a potential feature for the classification of Alzheimer's disease and mild cognitive impairment: an exploratory study. Neurosci Bull. 2014. 30, 477-489.

[5] Zhang Z, **Liu Y**, Zhou B, Zheng J, Yao H, An N, Wang P, Guo Y, Dai H, Wang L, Su S, Zhang X*, Jiang T* Altered functional connectivity of the marginal division in Alzheime's disease. Curr Alzheimer Res. 2014;11(2):145-55.

[6] Zhou B, **Liu Y**, Zhang Z, An N, Yao H, Wang P, , Wang L, Zhang X*, Jiang T. Impaired Functional Connectivity of Thalamus in Alzheimer's Disease and Mild Cognitive Impairment: a Resting-State fMRI Study. Current Alzheimer Research. 2013: 10:754-766.

[7] Yao H, **Liu Y**, Zhou B, Zhang Z, An N, Wang P, Wang L, Zhang X*, Jiang T. Decreased functional connectivity of the amygdala in Alzheimer's disease revealed by resting-state fMRI. European journal of radiology. 2013. 82:1531-1538.

[8] **Liu Y**, Liang M, Zhou Y, He Y, Hao Y, Song M, Yu C, Liu H, Liu Z, Jiang T*. Disrupted small-world networks in schizophrenia. Brain. 2008; 131(Pt 4):945-61.

[9] **Liu Y**, Wang K, Yu C, He Y, Zhou Y, Liang M, Wang L, Jiang T*. Regional homogeneity, functional connectivity and imaging markers of Alzheimer's disease: a review of resting-state fMRI studies. Neuropsychologia. 2008; 46(6): 1648-56. (Invited Review)

[10] **Liu Y**, Yu C, Liang M, Li J, Tian L, Zhou Y, Qin W, Li K, Jiang T*. Whole brain functional connectivity in the early blind. Brain. 2007; 130(Pt 8): 2085-96.

Selected Honours and Awards

- Member of Center for Excellence in Brain Science and Intelligence Technology CAS 2016
- Member of Beijing Nova Program 2015
- Member of the Youth Innovation Promotion Association, CAS 2014
- Lu Jiaxi Young Talent Award, the Chinese Academy of Sciences (50/year, <1%) 2013
- Visiting Scholar of Cambridge University 2011
- SCOPUS Young Researcher New Star Scientist Award in Life Science, Elsevier 2010
- National Excellent Doctoral Dissertation Award Nomination 2010
- Third level of Beijing Municipal Science and Technology Award (3/5) 2009
- Outstanding Doctoral Dissertation, Chinese Academy of Sciences (50/year, <1%) 2009
- President Scholarship, Chinese Academy of Sciences (200/year, ~1%) 2008
- Travel Award for the 14th Human Brain Mapping Conference 2008
- Best Graduate Award, the Chinese Academy of Sciences 2008
- Travel Award of OHBM (~5%) 2008

- Outstanding Student in Social Practice, Shandong Province (<0.1%) 1999

Professional Service

Board Member for

- Journal of Alzheimer Disease, Associate Editor, 2015.12—
- PloS One, Academic Editor, 2012.5--
- Neuroimmunology and Neuroinflammation, Editor, 2014.5—2016.12
- Brain Connectivity, Guest Editor, 2013.6-2014.6
- Neural Plasticity, Guest Editor, 2014.12---2015.12

Organizing committee member for

- International Symposium on Computational Medicine (Chair, 2012)
- International Conference on Medical Image Computing and Computer Assisted Intervention (Organizer, MICCAI, 2010)
- Multi-modal Imaging of Brain Connectivity (Organizer, MIBC 2010)
- International Symposium on Computational Medicine (Organizer, 2008, 2009)

Reviewer for

- Brain, Biological Psychiatry, Neuroimage, Schizophrenia Research, Human Brain Mapping, Cerebral Cortex, IEEE Transactions on Medical Image, Journal of Alzheimer Disease, PLoS One. Neuroscience Bulletin, Brain Connectivity, Current Alzheimer Research, Computational and Mathematical Methods in Medicine,
- International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI, 2009, 2010), International Workshop on Medical Imaging and Augmented Reality (MIAR, 2008), Annual Conference of Organization of Human Brain Mapping (2008-- present)