

Zhiru Jia, Ph.D.

Department of Psychiatry and Behavioral Science, Stony Brook University, Putnam Hall-South Campus, Stony Brook, NY 11794 E-Mail: Zhiru.Jia@stonybrook.edu Phone: 631-632-7769 Fax: 631-632-9433

EDUCATION

2007 Ph.D. in Biopsychology, Stony Brook University, Stony Brook, NY
2002 M.A. in Psychology, Stony Brook University, Stony Brook, NY
1986 B.E. in Biochemistry, East China University of Science and Technology, Shanghai, People's Republic of China

APPOINTMENTS

2012-Present Research Assistant Professor, Department of Psychiatry and Behavioral Science, School of Medicine, Stony Brook University, Stony Brook, NY
2009-2012 NIMH T32 Research Fellow in Geriatric Mood Disorders, Weill Cornell Institute of Geriatric Psychiatry, Weill Cornell Medical College of Cornell University, White Plains, NY.
2007-2009 Postdoctoral Associate, Department of Psychiatry, Yale University School of Medicine, New Haven, CT.
2005 Graduate Research Assistant to the Vice President, Office of Student Affairs, Stony Brook University, Stony Brook, NY.
1998–2004 Graduate Teaching Assistant, Department of Psychology, Stony Brook University, Stony Brook, NY
1990–1994 Research Associate, State Commission of Science and Technology, Beijing, People's Republic of China.
1986–1990 Science Editor, Trends in Science and Technology, State Commission of Science and Technology, Beijing, People's Republic of China.

HONORS & AWARDS

- 2010 National Institute of Mental Health (NIMH) Summer Research Institute (SRI) in Geriatric Mental Health, Dartmouth College, Hanover, NH
- 2008 National Institute of Health/National Institute of Diabetes and Digestive and Kidney Diseases (NIH/NIDDK) Travel Award in Neuroimaging in Obesity Research Workshop, Bethesda, MD

ONGOING RESEARCH SUPPORT

- National Institute of Health. *Recovery in Psychotic Disorders Two Decades after the First Hospitalization* (R01). Principal Investigator: Roman Kotov, Ph.D.
- National Institute for Occupational Safety and Health. *Burden of Mental-Physical Comorbidity in World Trade Center Responders*. Principal Investigators: Evelyn Bromet, Ph.D, Benjamin J. Luft, M.D. & Roman Kotov, Ph.D.

COMPLETED RESEARCH SUPPORT

- NIMH T32 Postdoctoral Research Fellowship in Geriatric Mood Disorders (2009-2012). Principal Investigator: George S. Alexopoulos, M.D.
- National Institute on Drug Abuse (NIDA), *Psychotherapy Development Research Center* (P50) (2008-2009). Principal Investigator: Bruce J. Rounsaville, M.D.
- National Institute on Drug Abuse (NIDA), *fMRI of CBT and CM for Cocaine Dependence* (R01) (2008-2009). Principal Investigator: Marc N. Potenza, M.D., Ph.D.
- National Institute on Drug Abuse (NIDA), *Computer-based Training in CBT* (R37) (2008-2009). Principal Investigator: Kathleen M. Carroll, Ph.D.
- National Institute on Alcohol Abuse and Alcoholism (NIAAA), *Chronic Alcohol and Brain Stress Circuit Response* (R01) (2007-2008). Principal Investigator: Rajita Sinha, Ph.D.

RESEARCH EXPERIENCE

- 2012–present Longitudinal studies investigating (1) 20-year outcomes of psychotic disorders in the Suffolk County Mental Health Project cohort and (2) comorbidity between mental and physical illnesses among responders to World Trade Center disaster.
- 2009-2012 Functional MRI studies investigating (1) reward processing dysfunction in people with late-life depression, (2) Hybrid ICA-seed-based methods for fMRI functional connectivity assessment, and (3) fMRI artifact removal procedures
- 2007-2009 Functional MRI studies on (1) stress and addiction, (2) gender differences in the reward circuitry of substance abusers, and (3) correlation of reward processing with treatment outcome in cocaine dependence.
- 2003-2007 Event-related potential (ERP) studies investigating (1) Chinese-English bilingual emotional word processing and (2) implicit and explicit memory in English word processing.
- 2000-2002 Research on event-related potentials in young adults in response to graded monetary reward in a go/no-go paradigm.
- 1998-2000 Research on rodent behavior and motor skill learning patterns in an operant conditioning paradigm.

TEACHING EXPERIENCE

- 1998–2004 Graduate Teaching Assistant, Department of Psychology, Stony Brook University, Stony Brook, New York.
Courses taught at undergraduate level include Statistical Methods in Psychology, Health Psychology, Survey of Social Psychology, Introduction to Psychology, Drugs and Brain, and Developmental Psychology Survey

UNIVERSITY SERVICE

- May 2012: Judge for Brookhaven National Laboratory 2012 Elementary School Science Fair, Upton, New York.
- March 2012: Judge for Stony Brook University Protein Modeling Challenge for Long Island High School Students, Stony Brook, New York.

MEMBERSHIPS

- 2009–Present: New York Academy of Sciences
- 2008–Present: The Organization for Human Brain Mapping

PUBLICATIONS

1. **Jia Z**, Murphy CF, Alexopoulos GS. Neural Correlates of Reward Processing in Late-Life Depression, *International Journal of Geriatric Psychiatry*. 2012; 27(2):217–18. doi: 10.1002/gps.2751
2. **Jia Z**, Worhunsky PD, Carroll KM, Rounsaville BJ, Stevens MC, Pearlson GD, Potenza MN. An Initial Study of Neural Responses to Monetary Incentives as Related to Treatment Outcome in Cocaine Dependence. *Biological Psychiatry*. 2011; 70(6):553–60.
3. Seo D, **Jia Z**, Lacadie CM, Tsou KA, Bergquist K, and Sinha R. Sex differences in neural responses to stress and alcohol context cues. *Human Brain Mapping*. 2011; doi:10.1002/hbm.21165.
4. Kelly RE, Wang Z, Alexopoulos GS, Gunning FM, Murphy CF, Morimoto SS, Kanellopoulos D, **Jia Z**, Lim KO, and Hoptman MJ. Hybrid ICA-Seed-Based Methods for fMRI Functional Connectivity Assessment: A Feasibility Study. *International Journal of Biomedical Imaging*. 2010: 868976.
5. Kelly RE, Alexopoulos GS, Wang Z, Gunning FM, Murphy CF, Morimoto SS, Kanellopoulos D, **Jia Z**, Lim KO, and Hoptman MJ. Visual inspection of independent components: defining a procedure for artifact removal from fMRI data. *Journal of Neuroscience Methods*. 2010; 189(2): 233–45.
6. Goldstein R, Cottone L, **Jia Z**, Maloney T, Volkow ND, Squires NK. The effect of graded monetary reward on cognitive event-related potentials and behavior in young healthy adults, *International Journal of Psychophysiology*. 2006; 62: 272–79.

PRESENTATIONS

1. **Jia Z**, Alexopoulos GS, Squires NK. Visual Oddball ERPs to Affective Words in Chinese-English Bilinguals. *Human Brain Mapping Conference Poster (Quebec City, Canada)*. 2011.
2. **Jia Z**, Worhunsky P, Carroll K, Rounsaville B, Stevens M, Pearlson G, Potenza MN. Brain Activations in Cocaine Abusers during Reward Processing Predict Treatment Outcome. *Human Brain Mapping Conference Poster (Barcelona, Spain)*. 2010.
3. **Jia Z**, Lacadie CM, Bergquist KT, Sinha R. Sex differences in brain responses to stress and drug cue. *Human Brain Mapping Conference Poster (San Francisco)*. 2009.
4. **Jia Z**, Lacadie CM, Bergquist KT, Sinha R. Increased stress-induced nucleus accumbens activity in social drinkers with high childhood trauma: a vulnerability marker for problem drinking? *Research Society on Alcoholism Conference Poster (Washington DC)*. 2008.