

Yang Hu

Nachtigallenweg 86, 53127 Bonn, Germany

Tel: +49 228 73-8295

Fax: +49 228 73-8299

Email: huyang@uni-bonn.de or huyang200606@126.com

Website: <https://www.cens.uni-bonn.de/team/members/yang-hu>

EDUCATION

- Sept. 2013-Present **Ph.D Candidate in Psychology & Decision Neuroscience**
Center for Economics and Neuroscience (CENs), Institute for Psychology, University of Bonn, Bonn, Germany
Supervisors: Prof. Dr. Bernd Weber & Prof. Dr. Ulrich Ettinger
Funded by *The 4-year State Scholarship Fund of The China Scholarship Council* (CSC; No. 201306140034)
- Sept. 2010-June 2013 **Master of Science in Psychology & Cognitive Neuroscience**
Institute of Cognitive Neuroscience (ICN), School of Psychology and Cognitive Science, East China Normal University (ECNU), Shanghai, China PR (Sept. 2010-July. 2011)
Institutes for Advanced Interdisciplinary Research, ECNU, Shanghai, China PR (Sept. 2011-June. 2013)
Supervisor: Asso. Prof. Dr. Zhao-xin Wang
- Jan. 2013-April 2013 **Visiting Student**
CENs, University of Bonn, Bonn, Germany
Co-Supervisor: Prof. Dr. Bernd Weber
Funded by *The Fund of ECNU for Overseas Studies, International Conferences and Domestic Scholarly Visits*
- Sept. 2006-June 2010 **Bachelor of Science in Applied Psychology**
Department of Applied Psychology, ECNU, Shanghai, China PR
Supervisor: Dr. Xiao-hong Pan

RESEARCH INTERESTS

Social Neuroscience & Neuroeconomics

- Neural and computation mechanism of social decision making (esp. altruistic choice, deception) and their modulators (e.g. trait, context, pharmacological treatment)

PUBLICATIONS

Journal Articles

- ***Hu, Y.**, Scheele, D., Becker, B., Voos, G., David, B., Hurlmann, R., & Weber, B. (2016). The effect of oxytocin on third-party altruistic decisions in unfair situations: An fMRI study. *Scientific Reports*, 6.
- **†*Hu, Y.**, †Strang, S., Weber, B. (2015) Helping or punishing strangers: Neural correlates of altruistic decisions as third-party and of its relation to empathic concern. *Frontiers in Behavioral Neuroscience*, 9:24. doi: 10.3389/fnbeh.2015.00024
- Enax, L., **Hu, Y.**, Trautner, P., *Weber, B. (2015) Nutrition labels influence value computation of food products in the ventromedial prefrontal cortex. *Obesity*. DOI: 10.1002/oby.21027
- †Sun D. L., †Chan, C. C. H., **Hu, Y.**, *Wang, Z. X., *Lee, T. M. C. (2015) Neural correlates of the outcome processing of dishonest choices: An fMRI and ERP study. *Neuropsychologia*, 68, 148-157. doi:10.1016/j.neuropsychologia.2015.01.013
- †Zhang, Y. Y., **Hu, Y.**, Guan, S. C., Hong, X. L., Wang, Z. X., *Li, X. C. (2014) Neural substrate of initiation of cross-modal working memory retrieval. *PLoS ONE* 9(8): e103991. doi:10.1371/journal.pone.0103991
- *Pan, X. H., **Hu, Y.**, Li, L., Li, J. Q. (2009) Evaluative-feedback stimuli selectively activate self-related regions: An fMRI study. *Neuroscience Letters*, 465, 90-94.

Working Papers

- †David, B., **†*Hu, Y.**, Krüger, F., Weber, B. Other-regarding attention can modulate third-party altruistic choice: An fMRI study.
- ***Hu, Y.**, Weber, B., Fiedler, S. Empathic concern can influence information searching during third-party altruistic decision making: an eye-tracking study
- *Yin, L. J., **Hu, Y.**, Dynowsky, D., Li, J., Weber, B. The influence of prosocial motive on deception and underlying neural mechanism.

Conference Abstracts

- ***Hu, Y.**, Gerhardt, H., Strang, S., Marsh, N., Hurlmann, R., Weber, B. The effect of intranasal oxytocin on indirect reciprocity. In submission to *Conference Poster of the 12th Annual Meeting of Society for Neuroeconomics* (Aug. 28-30, 2016, Berlin, Germany).
- ***Hu, Y.**, †Wölke, T., †He, L. S., Weber, B. Neural and computational basis of pay-it-forward reciprocity. In submission to *Conference Poster of the 12th Annual Meeting of Society for Neuroeconomics* (Aug. 28-30, 2016, Berlin, Germany).
- †David, B., **†*Hu, Y.**, Weber, B. Third-party altruistic choice can be modulated by other-regarding attention focus: An fMRI study. *Conference Poster of the 22th Annual Meeting of Organization for Human Brain Mapping (OHBM)*; June 26-30, 2016, Geneva, Switzerland).
- *Yin, L. J., **Hu, Y.**, Dynowsky, D., Li, J., Weber, B. The influence of prosocial motive on deceptive decision making and underlying neural mechanism. *Conference Poster of the 3rd International Conference of the European Society for Cognitive and Affective Neuroscience (ESCAN)*; June 23-36, 2016, Porto, Portugal).
- ***Hu, Y.**, Voos, G., Scheele, D., David, B., Becker, B., Hurlmann, R., Weber, B. The effect of oxytocin on third-party altruistic decisions in an unfair situation: An fMRI study. *Conference Poster of the 21th Annual Meeting of OHBM* (June 10-14, 2015, Honolulu, USA).

- ^{†*}**Hu, Y.**, [†]Strang, S., Weber, B. Neural correlates of third-party help and punishment: An fMRI investigation. *Conference Poster of The 10th Annual Meeting of Society for Neuroeconomics* (Sept. 26-28, 2014, Miami, FL, USA).
- **Hu, Y.**, Yu, L. J., Sun, D. L., *Wang, Z. X. Temporal modulation of acute alcohol intoxication on pain-related empathy: An ERP study. *Conference Poster of the 19th Annual Meeting of OHBM* (June 16-20, 2013, Seattle, WA, USA).
- **Hu, Y.**, Fan, M. X., Cui, Z. Y., Jiang, Y. W., *Wang, Z. X. (2012) Empathy for other's pain was modulated by acute alcohol intoxication: An fMRI study. *Conference Poster of the 18th Annual Meeting of OHBM* (June 10-14, 2012, Beijing, China).
- Zhang, Y. Y., **Hu Y.**, Hong, X. L., Feng, R., Chen, X. Z., Zhang, J. Y., Wang, Z. X., *Li, X. C. (2012) Brain areas involved in the initiation of cross-modal working memory in humans. *Conference Poster of the 2012 Conference of the Professional Committee of General & Experimental Psychology, Chinese Psychological Society* (Oct. 19-20, 2012, Wuhan, China).
- Wang, S. R., **Hu, Y.**, Fan, M. X., Zhou, Y. D., *Wang, Z. X. (2011) Mozart's music elicited stronger frontal activation than Chopin's music. *Conference Poster of the 9th Biennial Conference of the Chinese Neuroscience Society and the 5th Member Congress* (July 29-August 1, 2011, Zhengzhou, China).
- **Hu, Y.**, Fan, M. X., Li W. J., Huang P. J., *Wang Z. X. Empathic brain responses to other's pain were modulated by simple group categorization: An fMRI study. *Conference Poster of the 19th Annual Meeting of International Magnetic Resonance Imaging Medicine (ISMRM; May 7-13, 2011, Montreal, Canada).*
- **Hu, Y.**, *Pan, X. H., Li, L., Li, J. Q. (2011) Neuro-functional dissociation between evaluative-feedback and performance-feedback: Evidence from psycho-physiological interaction (PPI) analyses. *Conference Poster of the 1st International Society for Social Neuroscience Symposium* (Jan. 15-17, 2011, Shanghai, China).
- *Pan, X. H., **Hu, Y.**, Li, L., Ma, J. C., Li, W. J., Li, J. Q. (2009) Uniqueness of evaluative-feedback: A perspective from cognitive neuroscience. *Conference Poster of the 15th Annual Meeting of OHBM* (June 18-23, 2009, San Francisco, CA, USA).

Note: “*” means corresponding author (CA), “†” means authors equally distributed

PROJECTS

Working Projects

“Neural and computational mechanism underlying indirect reciprocity”

- A PhD Project, in collaboration with *Lisheng He* (Warwick Business School, University of Warwick), *Thorben Wölk* (CENs) and Prof. *Bernd Weber*

“Other-regarding attention modulates third-party altruistic decision making: evidence from eye-tracking and functional neuroimaging”

- A PhD Project, in collaboration with *Dr. Susann Fiedler* (Minerva Research Group, Max Planck Institute for Research on Collective Goods), *Bastian David* (Life & Brain Center, Department of Epileptology, University Hospital Bonn), Prof. *Frank Krüger* (Department of Psychology, George Mason University) and Prof. *Bernd Weber*

“The influence of prosocial motive on deception and underlying neural mechanism”

-
- In collaboration with *Lijun Yin & Denis Dynowsky (CENs)*, Prof. *Jian Li (Department of Psychology, Peking University)* and Prof. Bernd Weber

Completed Projects

“Effect of oxytocin on third-party altruistic decision making: An fMRI study”

- A PhD Project, in collaboration with Dr. *Dirk Scheele*, Dr. *Benjamin Becker* & Prof. *Rene Hurlemann (NEMO Research Group, Department of Psychiatry, University Hospital Bonn)*, Georg *Voos (Department of Epileptology, University Hospital Bonn)*, *Bastian David* and Prof. Bernd *Weber*

“Neural correlates of third-party altruistic decision making and its link with trait empathy”

- A PhD Project, in collaboration with Dr. *Sabrina Strang (Department of Psychology, University of Lübeck)* and Prof. Bernd *Weber*

“Influence of alcohol on emotion: cognitive and neural mechanism”

- A project of the *National Natural Science Foundation (NNSF) of China* (No.31070986), led by Dr. *Zhao-xin Wang*

“Neural mechanism underlying deception in social context: Evidence from ERP & fMRI”

- In collaboration with Dr. *Delin Sun* & Prof. *Tatia M.C. Lee (Department of Psychology, The University of Hong Kong)* and Dr. *Zhao-xin Wang*

“Could own-race bias in empathic brain response be reduced by social group? An fMRI investigation”

- A subsidiary item of the project of *NNSF of China* (No.J0730754), led by Dr. *Zhao-xin Wang*

“Neural correlates of cross-modal working memory and its implication in education”

- A project of the *Foundation of Pu-jiang Talents by Shanghai Municipal Human Resources and Social Security Bureau* (No.11PJC044) in collaboration with *Yangyang Zhang* & Dr. *Xian-chun Li (School of Psychology and Cognitive Science, ECNU)* and Dr. *Zhao-xin Wang*

“Neural Mechanism of Hedonic experience in Schizotypal Personality Disorder: An fMRI study”

- The *Knowledge Innovation Project of the Chinese Academy of Sciences* (No.KSCX2-EW-J-8), in collaboration with Dr. *Chao Yan* & Prof. *Raymond C.K. Chan (Institute of Psychology, Chinese Academy of Sciences)* and Dr. *Zhao-xin Wang*

“Neurofunctional dissociation between evaluative-feedback and performance-feedback: evidence from psycho-physiological interaction (PPI) analyses”

- A subsidiary item of the project of *NNSF of China* (No.J0730754), led by Dr. *Xiao-hong Pan*

“Does neutral feedback not take any information? Neural correlates of neutral feedback processing in certain contexts”

- A subsidiary item of the project of *NNSF of China* (No.J0730754), led by Dr. *Xiao-hong Pan*

“A Survey of Sexual Attitudes of Contemporary Undergraduates in Shanghai”

- A project of the 16th “Da-Xia” Students’ Academic and Scientific Research Competition of ECNU, in collaboration with Lei Li, Qian Xu & Dandan Mao, which acquired the first-prize in **the 2nd Forum of Arts and Social Sciences of Graduates in Shanghai** & the second-prize in **the 16th Da-Xia Cup for students’ academic and scientific research competition of ECNU**.

ABILITIES & SKILLS

Programming

- Experiment: Presentation, E-prime
- Data Analysis:
 - Behavioral Data: SPSS, STATA, R, Matlab
 - Neuroimaging Data: SPM (and other relevant toolboxes), Matlab

Language

Mandarin (mother tongue), English (fluent; TOEFL test: 105; GRE test: 1320+3), German (basic)

INTERNATIONAL CONFERENCES

June 10-14, 2015	<i>The 21th Annual Meeting of Organization for Human Brain Mapping (OHBM)</i> <i>Honolulu, USA</i>
Sept. 25-28, 2014	<i>The 10th Annual Conference of the Society for Neuroeconomics & Consumer Neuroscience Symposium</i> <i>Miami, USA</i>
June 8-12, 2014	<i>The 20th Annual Meeting of OHBM</i> <i>Hamburg, Germany</i>
May 7-10, 2014	<i>The 2nd Conference of European Society for Cognitive and Affective Neuroscience (ESCAN)</i> <i>Dortmund, Germany</i>
Oct. 27-28, 2012	<i>The 3rd International Conference on Neuroeconomics and Neuromanagement (ICNN)</i> <i>Hangzhou, China</i>
June 10-14, 2012	<i>The 18th Annual Meeting of OHBM</i> <i>Beijing, China</i>
May 9-13, 2011	<i>The 19th Annual Meeting of International Magnetic Resonance Imaging Medicine (ISMRM)</i> <i>Montréal, Canada</i>
Jan. 15-17, 2011	<i>The 1st International Society for Social Neuroscience Symposium</i> <i>Shanghai, China</i>
Jan. 9-10, 2011	<i>The 1st International Workshop for Educational Neuroscience</i> <i>Shanghai, China</i>
April 23-25, 2010	<i>The 1st Symposium of Brain Imaging and Neuroscience Techniques</i> <i>Chongqing, China</i>
June 18-23, 2009	<i>The 15th Annual Meeting of OHBM</i> <i>San Francisco, USA</i>
May 25-27, 2009	<i>Workshop on Cognitive Science: from Cellular Mechanisms to Computational</i>

Theories (CS-2009)

Beijing, China

OTHER ACADEMIC TRAINING/EXPERIENCE

Feb.17-19, 2016 **Participant of The 3-Day Training Course on Scientific English Writing: “How to publish in peer-reviewed journals” (TRESS & TRESS company)**

Max-Planck Institute (MPI) for Research on Collective Goods, Bonn, Germany

Aug.15-22, 2014 **Participant of The 2nd EADM Summer School**

MPI for Research on Collective Goods, Bonn, Germany

Mar. 20-21, 2013 **Participant of The PRoNTo Course**

University of Liege, Liege, Belgium

Dec. 18-21, 2009 **Participant of Training Course on Theories and Practices of functional MRI & DTI**

Beijing Normal University, Beijing, China PR