Rui Pei

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mormation	Website: <u>http://www.ruipei.net/</u> Twitter: <u>@ruipei_penn</u>		
Academic Training	Postdoctoral fellow Department of Psychology, Stanford University Principle investigator: Jamil Zaki	Palo Alto, October, 2021 - now	
Education	Annenberg School for Communication University of Pennsylvania Ph.D. in Communication, Advisor: Emily Falk, Committee Members: Rober	<i>Philadelphia, PA, 2017 – 2021</i> rt Hornik, Joseph Capella	
	Annenberg School for Communication University of Pennsylvania M.A. in Communication, 2017	Philadelphia, PA, 2015 – 2017	
	Brown University B.Sc. in Cognitive Neuroscience	Providence, RI, 2011 - 2015	
Publications	Pei, R., Courtney, A., Ferguson, I., Brennan, C., Zaki, J. (in press). A neural signature of social support mitigates affective responses to negative memories. <i>Scientific Reports</i> [Data & Code]		
	Pei, R., Cosme, D., Andrews, M. E., Mattan, B. D B. (2023). Cultural influence on COVID-19 cognit of collectivism. <i>Social and Personality Psychology</i> [Data] [Preregistration]	tions and growth speed: The role	
	Pei, R., Lauharatanahirun, N., Cascio, C. N., O'Donnell, M. B., Shope, J. T., Simons-Morton, B. G., Vettel, J. M., & Falk, E. B. (2020). Neural processes during adolescent risky decision making are associated with conformity to peer influence. <i>Developmental Cognitive Neuroscience</i> , 44, 100794.		
	Pei, R., Schmaelzle, R., Kranzler, E., O'Donnell, M. B., & Falk, E. B. (2019). Neural activity during anti-smoking message exposure predicts subsequent message sharing engagement. <i>American Journal of Preventive Medicine</i> , 56 (2, Supplement 1), S40–S48.		
	Pei, R. , Kranzler, E. C., Suleiman, A. B., & Falk, I adolescent health: insights from developmental and <i>Behavioural Public Policy</i> . 3(1), 47 – 71		
	Minich, M., Falk, E.B., Cooper, N., Cosme, D., Ch M.B., Cascio, C.N. (2023) Neural correlates assoc		

	adolescence and early adulthood. <i>Developmental Cognitive Neuroscience</i> , 60, 101215.
	Brennan, C., Aggarwal, A., Pei, R ., Sussillo, D., & Proekt, A. (2023). One dimensional approximations of neuronal dynamics reveal computational strategy. <i>PLOS Computational Biology</i> , 19(1), e1010784.
	Baek, E. C., O'Donnell, M. B., Scholz, C., Pei, R. , Garcia, J. O., Vettel, J. M., Falk, E. B. (2021) Activity in the Brain's Valuation and Mentalizing Networks is Associated with Propagation of Online Recommendation. <i>Scientific Reports</i> . 11(1), 11196
	Kang, Y., Cosme, D., Pei, R. , Pandey, P., Carreras-Tartak, J., & Falk, E. B. (2021). Purpose in life, loneliness, and protective health behaviors during the COVID-19 pandemic. <i>The Gerontologist</i> , 081
	Kranzler, E. C., Schmälzle, R., Pei, R., Hornik, R. C., & Falk, E. B. (2019). Message-Elicited Brain Response Moderates the Relationship Between Opportunities for Exposure to Anti-Smoking Messages and Message Recall. <i>Journal of Communication</i> , 69(6), 589-611.
	Kranzler, E. C., Schmälzle, R., O'Donnell, M. B., Pei, R., & Falk, E. B. (2018). Adolescent neural responses to antismoking messages, perceived effectiveness, and sharing intention. <i>Media Psychology</i> , 0(0), 1–27.
	Andrews, M. E., Pei, R. , Lauharatanahirun, N., Paul, A. M., & Falk, E. B. (2023). Social media and the social brain. In R. Nabi (Ed.), <i>Our Online Emotional Selves:</i> <i>The Link Between Digital Media and Emotional Experiences</i> . Oxford University Press.
Submitted/ Preprint/ Working papers	Pei, R. , Kranzler, E., Falker, E.B. (under revision). Cultural values moderate the developmental trajectory of peer influence effects during adolescence
	Pei, R. & Zaki, J. (2023). Quantifying the value of social risk taking. <i>PsyArXiv</i> . [Preprint]
	Pei, R., Courtney, A., Ferguson, I., Zaki, J. (in prep). A human subcortical network underlying social risk avoidance
	Pei, R., Zaki, J. (in prep). The Dynamics of Social Risk Taking: Linking Daily Affect to Long-term Wellbeing in College Students
	Cosme, D., Kang, Y., Tartak, J. C., Ahn, J., Corbani, F. E., Cooper, N., Pei, R. , & Falk, E. (in prep). Study protocol: Social Health Impact of Network Effects (SHINE) Study. [Preprint]
Fellowships & Awards	Wharton Russell Ackoff Doctoral Student Fellowship.2019Wharton Risk Management CenterDevelopmental trajectory of peer effects on adolescent decision making: a culturalperspective

	Top 5 Paper Award International Communication Association	2018, 2019
	Communication Science & Biology Interest Group Top 5 Paper Award International Communication Association Information Systems Division	2017
Peer- reviewed Presentations	Talks/Presentations	
	Not Motivated or Too Scared? The Dissociable Roles of Trait And Depression in Social Risk Taking. Pei, R., Zaki, J. (May, 2023) Inte Communication Association Annual Meeting. Toronto, Canada	•
	Ecological Momentary Assessment of Empathy Contagion in a Co Social Network. Pei, R., Zaki, J. (May, 2023) International Commun Association Annual Meeting. Toronto, Canada	
	Reward-related neural response during risky decision making ref adolescents' social network clustering structure. Pei, R., Lauharata Cascio, C.N., O'Donnell, M.B., Falk, E.B. (April, 2023) Society for F Adolescents Biennial meeting. Santa Barbara, California	anahirun, N.,
	Reward-related neural response during risky decision making ref adolescents' social network clustering structure. Pei, R., Lauharata Falk, E.B. (March, 2023) Society for Research on Adolescents Bienni Salt Lake City, Utah	anahirun, N.,
	Promising themes for anti-smoking campaigns targeting young ac China: an investigation based on the Integrative Model. Pei, R., L J. X. (2020) The Medicine, Humanity and Media: Health China & He Communication. Online conference/Beijing, China.	ian, Y., Chen,
	Habitual social media use is associated with increased neural active mentalizing network during social exclusion. Pei, R., Meshi, D., Ba Cascio, C.N., O'Donnell, M.B., Falk, E.B. (2020) International Comm Association Annual Meeting. Online conference.	ayer, J.,
	Neural activity during risky decision making reflects adolescents' network clustering structure. Pei, R., Lauharatanahirun, N., Cascio, O'Donnell, M.B., Falk, E.B. (2021) Society for Research on Adolesce meeting. Online conference.	, C.N.,
	Adolescent's neural and self-report responses to fear vs. humor a tobacco-prevention messages. Pei, R., Lauharatanahirun, N., Falk, E The Medicine, Humanity and Media: Health China & Health Commu Beijing, China	E.B. (2019)
	Neural activity during risky decision making reflects online social clustering structure. Pei, R., Lauharatanahirun, N., Cascio, C. N., O M.B., Vettel, J.M., Falk, E.B. (2019) Best papers in Communication S Biology, International Communication Association Annual Meeting. DC	'Donnell, Science and

Are Neural Mechanisms Associated with Social Feedback and Conformity Different among Teens and Young Adults? Cascio, C., Pei, R., Falk, E.B. (2019) International Communication Association Annual Conference. Washington, DC

Message-elicited brain response moderates the relationship between opportunities for exposure to anti-smoking messages and message recall. Kranzler, E. C., Schmälzle, R., **Pei, R.,** Hornik, R.C., & Falk, E. B. (2019) International Communication Association Annual Conference. Washington DC, USA.

Safety versus risk endorsing peer attitudes influence adolescent risk taking through distinct neural mechanisms. Pei, R., Cascio, C., Simons-Morton, B., Falk, E. (2018) Best Papers in Communication Science and Biology, International Communication Association Annual Conference. Prague, Czech Republic.

Counterproductive effects of repeated exposure to health campaign messages: Evidence from a neuroimaging study. Liu, J., So, J., **Pei, R.**, & Falk, E.B. (2018) International Communication Association Annual Conference. Prague, Czech Republic.

Adolescent neural responses to anti-smoking messages, perceived ad effectiveness, and sharing intention and elaboration. Kranzler, E., Pei, R., Schmaelzle, R., O'Donnell, M.B., & Falk, E. B. Podium Presentation, (2018) Annual Meeting of Society for Research on Nicotine & Tobacco. Baltimore, MD.

Neural activity during anti-smoking message exposure predicts subsequent message elaboration. Pei, R., Schmaelzle, R., Kranzler, E., O'Donnell, M. B., & Falk, E. B. (2017) Best Papers in Information Systems Division, International Communication Association Annual Conference. San Diego, CA.

Posters

A neural signature of social support mitigates affective responses to negative memories. Pei, R., Courtney, A., Ferguson, I., Brennan, C., Zaki., J. (2023) Social and Affective Neuroscience Society Annual Conference. Santa Babara, California

Too scared to reach out? The neural basis of social risk taking. Pei, R., Grayson, S., Ogunbamowo, D., Courtney, A., Zaki, J. (2023) The Society for Personality and Social Psychology. Atlanta, Georgia

Empathy perception gap poses barrier for social connection and wellbeing. Grayson, S., **Pei, R.**, Soh, S. J., Appel, R., Ogunbamowo, D., Courtney, A., Zaki, J., Harrari, G. (2023) The Society for Personality and Social Psychology. Atlanta, Georgia

Age moderated relation between perceived stress and social media use. Xu, Z., Pei, R. (2023) The Society for Personality and Social Psychology. Atlanta, Georgia

Does simulated social support reduce negative emotion during autobiographical remembering? Courtney, A., Ferguson, I., Pei, R., Zaki., J. (2022) Social and Affective Neuroscience Society Annual Conference. Virtual

	Neural activity during risky decision making reflects online social network clustering structure. Pei, R., Lauharatanahirun, N., Cascio, C.N., O'Donnell, M.B., Vettel, J.M., Falk, E.B. (2019) Social and Affective Neuroscience Society Annual Conference. Miami, Florida
	Neural activity during anti-smoking message exposure predicts subsequent message elaboration. Pei, R., Schmaelzle, R., Kranzler, E., O'Donnell, M. B., & Falk, E. B. (2017) Social and Affective Neuroscience Society Annual Conference. Los Angeles, CA
	Role of reinforcement learning in tic expression: Integrating methods from behavioral psychology and computational neuroscience. Conelea, C., Frank, M., Frank, H., Wiecki, T., Pei, R., & Freeman, J. (2014) Annual conference of the Association for Behavioral and Cognitive Therapies. Philadelphia, PA
Industry- related research experience	 Microsoft Research Asia <i>Research Fellow for Dr. Xie Xing</i> Beijing, China, January 2018 – July 2018 Combined online survey and linguistic analyses to examine factors contributing to successful search engine advertisements. Examined the associations between personality traits and individuals' information seeking behavior.
	 Pediatric Anxiety Research Clinic of Rhode Island Hospital <i>Research Assistant</i> <i>Providence, RI, May 2013 – May 2015</i> Investigated cognitive and emotional processes in exposure-based behavioral treatments for pediatric anxiety disorder and OCD. Designed an hour-long MATLAB and Psychtoolbox based behavioral task for a research project on Tourette's syndrome. Assisted fMRI and TMS neuropsychology experiments on tic suppression.
Teaching	 Guest lectures "Social risk taking in adolescents", 2022/4, Dominican College of California
	Teaching AssistantFall 2017University of PennsylvaniaFall 2017Fall 2017The Communication Research Experience (COMM310)• Facilitated the development and preparation of course materials.• Directly supervise two undergraduate students during semester-long research projects.
	Brown University2013-2015Spring 2013Elementary Psychology (CLPS0010)Fall2013Neural Systems (NEUR1030)Fall2014Elementary Psychology (CLPS0010)Elementary Psychology• Responsible for weekly classes of 15 students to facilitate main lectures, collaborate with professors and other TAs with course material design

- collaborate with professors and other TAs with course material design.Led discussions, answer questions, and help review course materials in office hours.
- Graded weekly writing assignments and exam papers.

	 Neural Systems Independently taught weekly recitations (about 50 students in size) to solidify course materials. This course included three closed-book exams. Before each exam, I and other three TAs led 2-hour long Q&A sessions (about 200 students in size) to answer questions that the students had prepared.
Ad-hoc reviews	PNAS, Child Development, Social and Cognitive Affective Science, Social and Personality Psychology Compass, Media Psychology
Affiliations	Social Affective Neuroscience Society International Communication Association Society for Research on Adolescence
Referees	Jamil Zaki, Ph.D. Associate Professor of Psychology Department of Psychology, Stanford University zaki@stanford.edu
	Emily B. Falk, Ph.D. Professor of Communication, Psychology, and Marketing Annenberg School for Communication, University of Pennsylvania <u>emily.falk@asc.upenn.edu</u>
	Gabriella M. Harari, Ph.D. Assistant Professor of Communication Department of Communication, Stanford University gharari@stanford.edu
	Nina Lauharatanahirun, Ph.D. Assistant Professor of Biobehavioral Health and Biomedical Engineering Biobehavioral Health – BBH, Pennsylvania State University <u>nbl5194@psu.edu</u>