

## Research Interests

- Neurocognitive representation of self-relevant information and perspectives.
- Integration of the self into social-cognitive models of person perception.
- Categorization and individuation in face perception.

## Post-Secondary Education

University of Birmingham (Birmingham, UK)	Ph.D., Psychology	Expected 2015
University of Chicago (Chicago, IL, USA)	M.A., Social Sciences	2012
University of Notre Dame (Notre Dame, IN, USA)	B.A., Psychology (Honors) and Philosophy	2008

## Publications

- Mattan, B. D., Rotshtein, P., & Quinn, K. A. (in press). *Empathy and visual perspective-taking performance. Cognitive Neuroscience.*
- Mattan, B. D., Quinn, K. A., & Rotshtein, P. (August 14, 2015). Relevance, valence, and the self-attention network. *Cognitive Neuroscience.* Advance online publication. doi:10.1080/17588928.2015.1075489
- Mattan, B. D., Quinn, K. A., Apperly, I. A., Sui, J., & Rotshtein, P. (2015). Is it always me first? Effects of self-tagging on third-person perspective-taking. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 41, 1100–1117. doi:10.1037/xlm0000078
- Narvaez, D., Mattan, B., MacMichael, C., & Squillace, M. (2008). Kill bandits, collect gold or save the dying: the effects of playing a prosocial video game. *Media Psychology Review*, 1 (1).

## Manuscripts Under Review

- Mattan, B. D., Quinn, K. A., Acaster, S. L., Jennings, R. M., & Rotshtein, P. (2015). *Prioritisation of self-relevant perspectives in ageing.* Manuscript submitted for publication.
- Mattan, B. D., Rotshtein, P., Sumner, E., & Quinn, K. A., (2015). *Friends, enemies, and the (in)famous: Day-to-day relevance and valence independently predict perceptual prioritization of self and non-self entities.*

## Manuscripts in Preparation

- Mattan, B. D. & Cloutier, J. (2012). *Legal or illegal: Individual differences in stereotype content endorsement and explicit bias affects implicitly assessed bias toward immigrants.*
- Mattan, B. D., Kubinski, A., Dorling, A., Rotshtein, P., Quinn, K. A., & Abu-Akel, A. (2015). *Whose perspective to prioritize? Self-perspective biases depend on balance of autistic and psychotic traits.*
- Mattan, B. D., Lin, Y., Rotshtein, P., Heinke, D., Sui, J., & Quinn, K. A. (2015). *Self-bias and cognitive capacity in visual perspective-taking: A diffusion model approach.*
- Mattan, B. D., Rotshtein, P., Rappaport, S., & Quinn, K. A. (2015). *Individual differences in cross-race bias modulate adaptation to ingroup and outgroup faces: An fMRI study.*

## Other Research in Progress

- *Categorization versus individuation in person perception: An fMR-adaptation study.*
- *fMRI study on the neural underpinnings of self-prioritization vis-à-vis relevance and valence.*
- *Behavioral and fMRI investigations of spatial metaphors in the mapping of self and others.*

## Selected Scholarships and Honors

Doctoral Researcher Elite Scholarship, University of Birmingham	2012
Top-10 international Ph.D. applicants, university-wide: Fully funded studentship	

Merit Scholarship, University of Chicago		2011
Half tuition scholarship for study in the M.A. Program in the Social Sciences		
<i>Summa cum laude</i> , University of Notre Dame		2008
Signifying a grade point average in the top 5% in the College of Arts and Letters		
Presidential Scholar, University of Notre Dame		2006
Distinction for 2 <sup>nd</sup> -year undergraduates with postgraduate potential: 1% of cohort		
Notre Dame Scholar, University of Notre Dame		2004
Merit scholarship for select academically promising first year undergraduates		

## Awards and Grants

Full Travel and Registration Award	\$950.00	2015
Award to attend the Summer Institute in Social and Personality Psychology in Boston, USA.		
Doctoral Researcher-Led Conference Bursary	£1,300.00	2015
Won in conjunction with Ahmad Abu-Akel, Katherine Ellis, and Lin Zhao		
Universitas 21 Travel Grant	£1,500.00	2014
Conference travel grant to attend the Graduate Research Conference on Aging in Auckland, NZ		
Doctoral Researcher Development Award	£750.00	2013
Conference travel grant awarded on the basis of a CV, cover letter, short statement of research interests, and a 3-minute thesis presentation plus interview		
Doctoral Researcher Elite Award	£5,000.00	2012
University award for Ph.D. research expenses at the University of Birmingham.		
President's Circle Fund for Undergraduate Research	\$504.00	2008
Presented thesis research at UCLA's undergraduate conference in Los Angeles, CA.		
Undergraduate Research Opportunity Grant	\$850.00	2007
Applied independently to introduce, jointly with Dr. Narvaez, the Triune Ethics Theory.		
Undergraduate Research Opportunity & Materials Grants	\$6530.00	2006
Summer stipend and materials to conduct research on moral personality at Notre Dame		

## Conference & Workshop Presentations

- Mattan, B., Rotshtein, P., & Quinn, K. A. (August, 2015). *Friends, enemies, and the (in)famous: Cross-cultural evidence for the self's role in anchoring the social processing of relevance and valence*. European Social Cognition Network, Transfer of Knowledge Conference, Bensheim, Germany.
- Mattan, B., Quinn, K. A., & Rotshtein, P. (June, 2014). *Valence, relevance, and the self: Effects of self-tagging on perceptual and social cognitive tasks in healthy aging*. Universitas 21 Graduate Research Conference, Auckland, New Zealand.
- Mattan, B., Quinn, K. A., & Rotshtein, P. (March, 2014). *Is it always me first? Effects of self-tagging on third-person perspective taking in young and old adults*. Cognitive Ageing Workshop, Experimental Psychology Society, Pershore, United Kingdom.
- Mattan, B., Quinn, K. A., Apperly, I., Sui, J., & Rotshtein, P. (August, 2013). *Self in the first and third-person: How self associations bias visual perspective-taking*. European Social Cognition Network, Transfer of Knowledge Conference, Vilnius, Lithuania.
- Mattan, B., Quinn, K. A., Sui, J., & Rotshtein, P. (May, 2013). *Is it always me first? Effects of self-tagging on perspective taking*. IX PhD Meeting in Social and Organizational Psychology, ISCTE-IUL, Lisbon.
- Mattan, B., Kreager, R., & Narvaez, D. (November, 2007). *Dispositional aspects of Triune Ethics Theory*. In symposium, *Triune Ethics: Testing a neurobiologically-rooted moral psychology theory*. Association for Moral Education Annual Meeting, New York.
- Lynchard, N., Kreager, R., Mattan, B., & Narvaez, D. (November, 2007). *Priming reasoning for security or engagement: Situational aspects of Triune Ethics Theory*. In symposium, *Triune Ethics: Testing a neurobiologically-rooted moral psychology theory*. Association for Moral Education Annual Meeting, New York.

## Conference Posters

- Mattan, B., Rotshtein, P., & Quinn, K. (January, 2016). *Friends, enemies, and the (in)famous: neurocognitive representations of the self and of others varying in relevance and valence*. Annual

- Meeting of the Society for Personality and Social Psychology, San Diego, CA.
- Mattan, B., Quinn, K. A., & Rotshtein, P. (February, 2014). *Is it always me first? Effects of self tagging on third person perspective taking in young and old adults*. Annual meeting of the Society for Personality and Social Psychology, Self and Identity Preconference, Austin, TX.
- Mattan, B., & Cloutier, J. (February, 2014). *Legal or illegal: Individual differences in evaluative bias toward immigrants varying on documented status and race*. Annual meeting of the Society for Personality and Social Psychology, Austin, TX.
- Quinn, K. A., Mattan, B., & Rotshtein P. (February, 2014). *Individual differences in cross-race bias modulate adaptation to ingroup and outgroup faces: An fMRI study*. Annual meeting of the Society for Personality and Social Psychology, Austin, TX.
- Mattan, B. Quinn, K. A., Apperly, I., Sui, J., & Rotshtein, P. (July, 2013). *Self in the first and third-person: How self associations bias visual perspective-taking*. Experimental Psychology Society Meeting, Bangor, Wales.
- Narvaez, D., Brooks, J., & Mattan, B. (January, 2011). *Triune Ethics: Moral identities are shaped by attachment, personality factors and influence moral behavior*. Annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- Anthony, C., Mattan, B., Brooks, J., Laufenberg, L., Potter, L., Michalak, G., & Narvaez, D. (November, 2010). *Moral reactivity: Triune Ethics Theory*. Association for Moral Education Annual Meeting, St. Louis, MO.
- Mattan, B. (May, 2008). *Triune Ethics Theory: A dispositional approach*. Psychology Undergraduate Research Conference. University of California, Los Angeles. Los Angeles, CA.
- Narvaez, D., Mattan, B., & MacMichael, C. (May, 2008). *Do prosocial videogames have a stronger effect on behavior than violent videogames?* Annual Meeting of the European Association for Research in Adolescence. Turin, Italy. \* **Best Poster Award**.
- Narvaez, D., & Mattan, B. (May, 2008). *Testing a neurobiological theory of moral personality*. Annual Meeting of the Association for Psychological Science, Chicago, IL.
- Narvaez, D., Lynchard, N., Vaydich, J., & Mattan, B. (March, 2008). *Cheating: Explicit recognition, implicit evaluation, moral judgment and honor code training*. Annual Meeting of the Society for Research in Adolescence, Chicago, IL.
- Narvaez, D., Mattan, B., MacMichael, C., & Zamora, D. (March, 2008). *Prosocial videogame play: Does it have a stronger effect on behavior than violent videogame play?* Annual Meeting of the Society for Research in Adolescence, Chicago, IL.
- Mattan, B., MacMichael, C., Narvaez, D. (November, 2007). *Saving the dying: Effects of playing a prosocial video game*. Association for Moral Education Annual Meeting, New York.
- Narvaez, D., Mattan, B., MacMichael, C., & Squillace, M. (June, 2007). *Positive attribution bias from playing a prosocial video game?* Annual Meeting of the Jean Piaget Society, Amsterdam.

## Professional Affiliations

- European Social Cognition Network
- Society for Personality and Social Psychology

## Departmental & Impact Activities

- Impact Event with Elderly Research Participants March 2015
- Invited to give a talk to elderly participants on the link between age and perspective taking.
- Cognitive Neuroscience Breakfast Group January 2014 – May 2015
- Coordinated a bi-monthly research discussion group in cognitive neuroscience.
- Ageing Research Discussion Group January 2014 – February 2015
- Started and organized a new multi-discipline discussion group.
- Organizing Committee for ESRC Social Science Research Day November 2013, 2014
- Presented my research to the public, creating awareness of psychology research at UoB.
- Interviewed for Birmingham University Imaging Centre (BUIC) Publicity Video December 2013

## Research-Related Positions

Postdoctoral Scholar, Kubota & Cloutier Labs, University of Chicago      September 2015 – September 2017  
*40 hours per week*

- Oversight of fMRI projects at BRIC
- Design and implementation of an independent research program

Research Consultant, Jubilee Centre for Character and Virtues      April 2015 – September, 2015  
*8-15 hours per week*

- Conducted a review of the gratitude literature
- Programming an implicit online-compatible test of gratitude associations in Inquisit

Doctoral Researcher, University of Birmingham      September 2012 – Present  
*40+ hours per week*

- Conducted at least three studies yearly for an average of 2 manuscripts per year.
- Successfully designed, implemented, and analyzed multiple fMRI studies: univariate & similarity analyses
- Over 3 years, managed the work of more than 10 undergraduate RAs (up to 6 per term).

Research Intern, Leo Burnett Company, Chicago, IL      June 2012 – August 2012  
*40 hours per week*

- Used SAS to conduct factor analysis and regressions to glean insights from survey data.
- Assisted the planning team in designing effective data presentations for clients.
- With other interns, developed a creative advertising campaign and pitch for Sprint.

Psychology Department Research Assistant, University of Chicago      August 2011 – June 2012  
*10-20 hours per week*

- Developed experimental programs and surveys in E-prime (Stimulus Presentation Software), MATLAB, and Qualtrics (Online Survey Platform).
- Coordinated and accounted for the use of compensation funds for research participants.
- Developed/revised IRB-approved protocols through the University of Chicago.

Psychology Department Research Assistant, University of Notre Dame      January 2006 – May 2008  
*5-10 hours per week during the academic year; 20-30 hours per week during summer, 2006*

- Organized fellow undergraduates in the coding of free response items.
- Presented research in three national psychology conferences.

## Selected Non-Research Positions

Field Consultant, Community Enterprise Solutions, Cuenca, Ecuador      January 2011 – July 2011  
*40+ hours per week*

- Conducted 5 one-month trainings with a total of 13 participants on products and entrepreneurial skills over 4 months and in 2 distinct provinces.
- Managed the inventory and sales for the bi-monthly village campaigns of 4 teams.
- Established community contacts and logistics in two provinces for the 8-week student internship program, Social Entrepreneur Corps.

Urban Youth Development and Community Service Volunteer      June 2008 – July 2010  
United States Peace Corps, Baños, Cuenca, Ecuador  
*40+ hours per week*

- Re-established and presided over an 11-member GLBT peer work group for GLBT volunteers; acquired a \$1,500.00 start-up budget for the first year.
- Developed an English language curriculum and trained four teachers to implement the program with over 100 kindergartners.
- In collaboration with local community members, secured a \$7,000.00 project grant.