

Ryan M. Stolier

UX Researcher | Facebook

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EMPLOYMENT

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| 2021 – Present | Facebook, UX Research, Facebook App Integrity |
| 2019 – 2021 | Post-Doctoral Researcher Columbia University, Advisor: Kevin Ochsner |
| 2019 | SPARK Neuro, Data Science |

EDUCATION

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|-------------|---|
| 2014 – 2019 | Ph.D., Social Psychology New York University, Advisor: Jonathan Freeman |
| 2013 – 2014 | Ph.D. (transferred for continuation with advisor), Psychology Dartmouth College, Advisor: Jonathan Freeman |
| 2013 | M.A., Social Psychology San Diego State University, Advisor: Melody Sadler |
| 2010 | B.A., Arizona State University |

AWARDS, FELLOWSHIPS, & GRANTS

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| 2017 – 2019 | National Institutes of Health – NIMH, NRSA, F31-MH114505. ‘The neural basis of emotional state biases in facial emotion recognition’ Role: Fellow/PI |
| 2019 | NYU Douglas and Katharine Fryer Award for Best Doctoral Thesis |
| 2019 | Social and Affective Neuroscience Society Poster Award |
| 2018 | NYU Center for Brain Imaging Pilot Grant for project ‘The neural representation of face trait space’ |
| 2018 | NYU Katzell Summer Fellowship |
| 2017 | NYU GSAS Dean’s Student Travel Grant award |
| 2017 | Society for Personality and Social Psychology Graduate Student Travel Award |
| 2017 | Social and Affective Neuroscience Society Innovation Award for ‘Neural pattern similarity reveals the inherent intersection of social categories’, <i>Nature Neuroscience</i> (2016) |
| 2017 | Social and Affective Neuroscience Society Poster Award |
| 2016 | NYU GSAS Dean’s Student Travel Grant award |

- 2015 NYU Center for Brain Imaging Pilot Grant for project 'Stereotype Overlap in Social Category Representation'
- 2014 NYU Center for Brain Imaging Pilot Grant for project 'The Neural Basis of Contextual Impacts on Emotion Perception'

PUBLICATIONS

- Xie, S. Y., Flake, J. K., **Stolier, R. M.**, Freeman, J. B., & Hehman, E. (in press). Facial impressions are predicted by the structure of group stereotypes. *Psychological Science*.
- Yudkin, D. A., **Stolier, R. M.**, & Lewis Jr., N. A. (in press). Changing perceptions around nontraditional career trajectories in psychological science. *Trends in Cognitive Sciences*.
- Jones, B., DeBruine, L., Flake, J., ... **Stolier, R. M.**, ... Coles, N. A. (in press). To Which World Regions Does the Valence-Dominance Model of Social Perception Apply?. *Nature Human Behaviour*. [Preprint: <https://psyarxiv.com/n26dy>] [OSF: <https://osf.io/yrveh/>]
- Brooks, J. A., **Stolier, R. M.**, & Freeman, J. B. (2020). Computational approaches to the neuroscience of social perception. *Social Cognitive and Affective Neuroscience*.
- Freeman, J. B., **Stolier, R. M.**, & Brooks, J. A. (2020). Dynamic Interactive theory as a domain-general account of social perception. In *Advances in Experimental Social Psychology* (Vol. 61, pp. 237-287). Academic Press.
- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2020). Trait knowledge forms a common structure across social cognition. *Nature Human Behaviour*, 4, 361-371. [Preprint: <https://psyarxiv.com/5na8m>] [OSF: <https://osf.io/2uzsx/>]
- Hehman, E., **Stolier, R. M.**, Freeman, J. B., Flake, J., K., & Xie, S. (2018). Toward a comprehensive model of face impressions: What we know, what we don't, and paths forward. *Social and Personality Psychology Compass*, e12431.
- Freeman, J. B., **Stolier, R. M.**, Brooks, J. A., & Stillerman, B. A. (2018). The neural representational geometry of social perception. *Current Opinion in Psychology*, 24, 83-91.
- Brooks, J. A., **Stolier, R. M.**, & Freeman, J. B. (2018). Stereotypes bias visual prototypes for sex and emotion categories. *Social Cognition*, 36(5), 481-493.
- Stolier, R. M.**, Hehman, E., Keller, M. D., Walker, M., & Freeman, J. B. (2018). The conceptual structure of face impressions. *Proceedings of the National Academy of Sciences of the United States of America*, 115(37) 9210-9215. [Preprint: <https://psyarxiv.com/d9ha7>] [OSF: <https://osf.io/z23kf/>]
- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2018). A dynamic structure of social trait space. *Trends in Cognitive Sciences*, 22(3), 197-200.
- Stolier, R. M.**, & Freeman, J. B. (2017). A neural mechanism of social categorization. *Journal of Neuroscience*, 37(23), 5711-5721.
- Lazerus, T., Ingbreten, Z., **Stolier, R. M.**, Freeman, J. B., & Cikara, M. (2016). Positivity Bias in Judging In-group Members' Emotional Expressions. *Emotion*, 16(8), 1117.

- Stolier, R. M.**, & Freeman, J. B. (2016). Functional and Temporal Considerations for Top-Down Influences in Social Perception. *Psychological Inquiry*, 27(4), 352-357.
- Stolier, R. M.**, & Freeman, J. B. (2016). Neural pattern similarity reveals the inherent intersection of social categories. *Nature Neuroscience*, 19(6), 795-797.
- Stolier, R. M.**, & Freeman, J. B. (2016). The neuroscience of social vision. Invited chapter for J. R. Absher & J. Cloutier (Eds.), *Neuroimaging Personality, Social Cognition, and Character*. Elsevier.
- Hehman, E., **Stolier, R. M.**, & Freeman, J. B. (2015). Advanced mouse-tracking analytic techniques for enhancing psychological science. *Group Processes and Intergroup Relations*, 18(3), 384-401.
- Freeman, J. B., & **Stolier, R. M.** (2014). The medial prefrontal cortex in constructing personality models. *Trends in Cognitive Sciences*, 18(11), 571-572.
- Freeman, J. B., **Stolier, R. M.**, Ingbreetsen, Z. A., & Hehman, E. (2014). Amygdala responsivity to high-level social information from unseen faces. *Journal of Neuroscience*, 34(32), 10573-10581.

UNPUBLISHED MANUSCRIPTS

- Stolier, R. M.**, West, T. V., & Ochsner, K. N. (invited submission). Social network navigation: how people predict social interactions. *Trends in Cognitive Sciences*.
- Bin Meshar, M., **Stolier, R. M.**, & Freeman, J. B. (in prep). Facial trait appearance allows ambiguous group categorization through stereotypes.

CHAired SYMPOSIA

- Stolier, R. M.** & Hehman, E. (2020, February). *The new face of face-impressions: how social factors structure perceptions*. Society for Personality and Social Psychology, New Orleans, LA.

CONFERENCE TALKS

- Stolier, R. M.** Hehman, E. Keller, M. D., Walker, M., & Freeman, J. B. (2020, February). *The conceptual foundation of face-based trait impressions*. Talk to be given as part of the symposium "The new face of face-impressions: how social factors structure perceptions" at the annual meeting of the Society for Personality and Social Psychology, New Orleans, LA.
- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2020, February). *Conceptual associations guide trait inference: from face impressions to stereotypes*. Data blitz to be given at the Social Cognition preconference to the annual meeting of the Society for Personality and Social Psychology, New Orleans, LA.
- Stolier, R. M.** & Freeman, J. B. (2019, May). *Face-based group categorizations as a function of stereotypes and low-level trait impressions*. Talk given at the annual meeting of the Association for Psychological Science, Washington, D. C.

- Brooks, J. A., Chikazoe, J., **Stolier, R. M.**, Sadato, N., Bin Meshar, M., & Freeman, J. B. (2019, March). *Top-down influences on the neural representation of facial emotion perception*. Talk to be given at the annual meeting of the Society for Affective Science, Boston, MA.
- Stolier, R. M.**, Cogoni, C., Silani, G., & Freeman, J. B. (2018, April). *Perceptual dehumanization: objectified females are represented as more inanimate and less animate in the ventral visual stream*. Talk given at the annual meeting of the New York Social and Affective Neuroscience Group, New York, NY.
- Brooks, J. A., **Stolier, R. M.**, & Freeman, J. B. (2018, March). *Social-conceptual knowledge shapes visual perception of gender and emotion*. Talk given at the annual meeting of the Society for Personality and Social Psychology, Atlanta, GA.
- Freeman, J. B., & **Stolier, R. M.** (2017, April). *Neural mechanisms of stereotypic vision*. Talk given at the 2017 annual meeting of the Social and Affective Neuroscience Society, Los Angeles, LA.
- Stolier, R. M.**, & Freeman, J. B. (2017, January). *Hidden category activations en route to social perception*. As part of the symposium “Decoding social categories, person knowledge & social networks from brain activity” at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- Stolier, R. M.** (2016, October). *Stereotypes Bias the Similarity of Social Category Representations*. Talk given at the annual meeting of the New York Social and Affective Neuroscience Group, New York, NY.
- Freeman, J. B., Pauker, K., Sanchez, D. T., & **Stolier, R. M.** (2016, January). *A perceptual pathway to bias: Interracial exposure reduces abrupt shifts in real-time race perception that predict mixed-race bias*. As part of the symposium “New directions in intergroup contact: Behavioral and neuroscientific investigations of attention, categorization, evaluation, and learning” at the annual meeting for the Society for Personality and Social Psychology, San Diego, CA.
- Stolier, R. M.**, & Freeman, J. B. (2015, September). *Synchronized fMRI and mouse-tracking reveal the co-activation of multiple social categories*. Data blitz given at the annual meeting of the New York Social and Affective Neuroscience Group, New York, NY.
- Freeman, J. B., **Stolier, R. M.**, Pauker, K., & Sanchez, D. T. (2015, September). *Visual Bias: The Dynamic Representation of Race*. As part of the symposium “Race perception: From basic social cognitive processes to prejudice intervention” at the annual meeting of the Society for Experimental Social Psychology, Denver, CO.
- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2015, May). *Risk-averse perception: group membership alters the fundamental dimensions underlying face-trait evaluation*. As part of the graduate student data blitz at the Four College Conference annual meeting, New York, NY.
- Freeman, J. B. & **Stolier, R. M.** (2015, May). *Visual Bias: The Dynamic Neural Representation of Race*. As part of the “Prejudice on the brain: Individual differences and social context affect the neural representation of race” symposium at the annual meeting of the Association for Psychological Science, New York, NY.

INVITED TALKS

2020, Apr. – Yale University, Department of Psychology, *Fundamentals of the Adolescent Brain Lab*

2020, Feb. – University of Delaware, Department of Psychology, *Social Psychology Brown Bag*

2020, Feb. – New York University, Department of Psychology, *West Interpersonal Perception Lab*

2017, Oct. – Columbia University, Department of Psychology, *Social Cognitive & Affective Neuroscience Lab*

2016, Nov. – Princeton University, Department of Psychology, *Neuroscience and Social Decision Making Talk Series*

POSTER PRESENTATIONS

- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2019). *Trait space as a conceptual map that guides social perception*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Miami, FL.
- Stolier, R. M.**, Hehman, E., Keller, M. D., Walker, M., & Freeman, J. B. (2019). *Lay Beliefs about Personality Shape Impressions from Faces to Stereotypes*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Portland, OR.
- Stolier R. M.** & Freeman, J. B. (2018). *The co-activation and competition of social categories*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Brooklyn, NY.
- Stolier R. M.**, Hehman, E., & Freeman, J. B. (2018). *Conceptual trait associations shape face evaluation*. Poster presented at the CCD International Workshop on Person Perception. Perth, Australia.
- Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2018). *Group Membership Shapes Trait Judgment Space of Faces*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Atlanta, GA.
- Stillerman, B., **Stolier, R. M.**, Amodio, D., & Freeman, J. B. (2018). *Exploring the conceptual and visual bases of weapon bias*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Atlanta, GA.
- Conrad, C., **Stolier, R. M.**, Hehman, E., & Freeman, J. B. (2018). *Benevolent Sexism Entangles the Perceived Dimensions of Trust and Dominance towards Female Faces*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Atlanta, GA.
- Stolier, R. M.**, & Freeman, J. B. (2017). *Automatic stereotype activation in the anterior temporal lobe*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Los Angeles, CA.
- Stillerman, B., **Stolier, R. M.**, Amodio, D. M., & Freeman, J. B. (2017). *Exploring the conceptual and visual bases of weapons bias*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Los Angeles, CA.
- Stillerman, B., **Stolier, R. M.**, & Freeman, J. B. (2017). *Competition in face categorization reflects goal-relevant ambiguity*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. San Antonio, TX.
- Brooks, J. A., **Stolier, R. M.**, & Freeman, J. B. (2017). *Intersecting stereotypes bias visual prototypes for sex and emotion categories*. Poster presented at the Emotion pre-conference of the Society for Personality and Social Psychology. San Antonio, TX.
- Stolier, R. M.**, & Freeman, J. B. (2016). *Visual bias: Stereotypes alter the neural representation of race*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. San Diego, CA.
- Xie, Y., **Stolier, R. M.**, & Freeman, J. B. (2015). *Intergroup threat alters the underlying dimensions of face-trait evaluation*. Poster presented at the annual Hunter College Psychology Convention. New York, NY.

- Stolier, R. M.** & Freeman, J. B. (2015). *Synchronized fMRI and motion-tracking reveals the co-activation of multiple social categories*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Boston, MA.
- Stolier, R. M.** & Freeman, J. B. (2015). *Motivated to confirm: Stereotypes of unambiguous social categories resolve ambiguity in others*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Long Beach, CA.
- Stolier, R. M.** & Freeman, J. B. (2014). *The inherent intersection of social categories*. Poster presented at the Multi-Disciplinary Perspectives on Person Perception workshop at Dartmouth College. Hanover, NH.
- Stolier, R. M.**, Hehman, E. A., Ingbretsen, Z. A., & Freeman, J. B. (2014). *The amygdala's role in processing the trustworthiness of unseen faces*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Denver, CO.
- Stolier, R. M.**, Jones, J. L., & Sadler, M. (2014). *Where dehumanization facilitates empathy: Increased empathic embarrassment towards those attributed less executive function*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Austin, TX.
- Jones, J. L., **Stolier, R. M.**, Kaye, K., Sadler, M. (2014). *The Roles of Competence and Warmth in Approach-avoidance Processing and Decision-making*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Austin, TX.
- Stolier, R. M.**, Stewart, W., Kaye, K. E., & Sadler, M. (2013). *Implicit Indices of Explicit Stigma: Approach-Avoidance and Social Distance from Individuals with Schizophrenia*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. New Orleans, LA.
- Stolier, R. M.**, Bates, R., & Sadler, M. (2012). *The Mediation Role of Competence and Warmth in Judgments of Different Mental Illnesses*. Poster presented at the annual meeting of the Western Psychological Association. San Francisco, CA.
- Stolier, R. M.** & Lewis, L. B. (2012). *The Moderational Role of Semantic Memory in the Relationship Between Religiousness and Conservative Attitudes*. Poster presented at the annual meeting of the Western Psychological Association. San Francisco, CA.

TEACHING EXPERIENCE

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| 2018 | Invited course lecture – Graduate Research Methods, New York University |
| 2017 | Invited course lecture – Introduction to Social Psychology, New York University |
| 2016 | Invited course lecture – Methods in Social Psychology, New York University |
| 2016 | Invited workshop instructor – Data reduction and visualization in R, New York University |
| 2016 | Invited workshop instructor – Fundamentals in programming and automation in R, New York University |
| 2015 | Invited course lecture – Methods in Social Neuroscience, New York University |
| 2014 | Invited seminar instructor – Motion-tracking experimental design and data analysis, The Motivation Lab, New York University |
| 2012 – 2013 | Seminar instructor – Programming for Psychological Research, San Diego State University |

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| 2012 – 2013 | Teaching Assistant – Statistical Methods in Psychology, San Diego State University |
| 2009 – 2010 | Teaching Assistant – Sociology of Adolescence, Arizona State University |

RESEARCH ADVISING EXPERIENCE

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| Academic status of past trainees | Ruiyi Chen – PhD student, Cornell University John Andrew Chwe – PhD student, New York University Maryam Bin Meshar – PhD student, New York University Azaadeh Goharзад – PhD student, University of Delaware Anton Gollwitzer – PhD student, Yale University Zahra Kadhkhodaie – MA student, New York University Ying Xie – PhD student, Cornell University |
| Masters Theses | Carlina Conrad (2016), Daniel Mocombe (2016), Zahra Kadhkhodaie (2015), Maryam Bin Meshar (2018) |
| Undergraduate Honors Theses | John Andrew Chwe (2017), Deshana Barua (2017), Anton Gollwitzer (2015), Jay Dumanian (2014), Michael McGlenn (2013) |
| Student Awards | John Andrew Chwe (Doris Aaronson Award; Dean's Undergraduate Research Fund Award, 2017), Deshana Barua (Dean's Undergraduate Research Fund Award, 2017), Rick Melucci (Intel Science Talent Search, 2016), Eun Myoung-Lee (Presidential Scholar, 2014), Jemin Park (Presidential Scholar, 2014) |
| Research assistants | Elina Konstantinidou, Julia Chang, Nividita Toth, Ruiyi Chen, Rachel Borshchenko, Daniel Mocombe, Azaadeh Goharзад, Carlina Conrad, Anton Gollwitzer, Cho Laam, Deshana Barua, John Andrew Hanju Chwe, Mari Galicer, Maryam Bin Meshar, Ying Xie, Clodagh Cogley, Grace Omolara Adeyemi, Zahra Kadhkhodaie, Xi Shen, Moulshri Mohan, Jay Dumanian, Ryan Lisann, Jemin Park, Eun Myoung Lee, Isabelle Magr0, Juliana Park, Jin Shin, Krsten Chalmers, Clarissa LI, Georgy Sy, Valerie Orellana, Kathleen L. Wahl |

DEPARTMENT SERVICE

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| 2014 – 2015 | Organizer of the fMRI Workshop series - Center for Brain Imaging, New York University |
| 2011 – 2013 | Participant pool manager, San Diego State University |

PROFESSIONAL ACTIVITIES

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| 2017 | Computational Summer School in Methods in Neuroscience at Dartmouth (MIND), Dartmouth College |
| 2017 | Summer School in Social Neuroscience & Neuroeconomics, Duke University |
| 2013 – Present | The Social & Affective Neuroscience Society |
| 2013 – Present | Society for Personality and Social Psychology |

AD-HOC REVIEWING

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| Funding agencies | <i>Israel Science Foundation</i> <i>National Science Foundation</i> |
| Journals | <i>Cerebral Cortex</i> <i>Cognitive, Affective, & Behavioral Neuroscience</i> <i>Emotion</i> <i>Frontiers in Psychology</i> <i>Journal of Experimental Social Psychology</i> <i>Journal of Neuroscience</i> <i>Journal of Personality and Social Psychology</i> <i>Neuropsychologia</i> <i>Perception</i> <i>Personality and Social Psychology Bulletin</i> <i>PLOS One</i> <i>Psychonomic Bulletin & Review</i> <i>Royal Society Open Science</i> <i>Social and Personality Psychology Compass</i> <i>Social Cognition</i> <i>Social Neuroscience</i> <i>Social Psychological & Personality Science</i> <i>WIREs Cognitive Science</i> |