

DAVID M. GREENBERG

Curriculum Vitae

Department of Psychiatry
University of Cambridge

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www.davidmgreenberg.com

RESEARCH INTERESTS

music, personality, neuroscience, genetics, autism, Big Data, cognition, perception, stereotypes, music therapy, trauma, emotion regulation, evolution

My work combines approaches from social and personality psychology, neuroscience, computer science, genetics, and clinical science, to understand the biological, psychological, and social impact of music. I am currently leading and co-leading multiple international collaborations that include Big Data studies using streaming data and digital footprints, fMRI and EEG studies social science studies on cultures in conflict, clinical studies, and genetic studies. In 2015, I created the Musical Universe project which has become one of the largest databases in the music sciences with 200,000 participants from 100 countries who completed 20 assessments on music and psychology. My secondary non-musical line of research is on the biological and social influences on autism, empathy, and emotion regulation.

EDUCATION / ACADEMIC POSITIONS

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| Visiting Researcher
Department of Psychiatry
University of Cambridge (UK) <ul style="list-style-type: none">▪ Sponsor: Professor Simon Baron-Cohen | 2015-Present |
| Ph.D. in Psychology
University of Cambridge (UK) <ul style="list-style-type: none">▪ Supervisor: Dr. Peter Jason Rentfrow | 2012-2017 |
| MA in Clinical Psychology
City College of New York
City University of New York (USA) <ul style="list-style-type: none">▪ Supervisor: Professor Elliot L. Jurist | 2015-2017 |
| MPhil in Social and Developmental Psychology
University of Cambridge (UK) <ul style="list-style-type: none">▪ Supervisor: Dr. Peter Jason Rentfrow | 2010-2011 |
| BA in Honors Psychology
Rutgers University (USA) <ul style="list-style-type: none">▪ Supervisors: Professors George E. Atwood, Lee Jussim, Daniel J. Ogilvie, and Dr. Robert R. McCrae (NIH) | 2006-2010 |

PUBLICATIONS

Books

Greenberg, D. M. (expected, 2019). *Music and personality: How psychological science explains the musical mind*. Under review at Oxford University Press.

Refereed Journal Articles

Greenberg, D. M., Warrier, V., Allison, C., & Baron-Cohen, S. (in press). Testing the Empathizing-Systemizing theory of sex differences and the Extreme Male Brain theory of autism in half a million people. *Proceedings of National Academy of Sciences*.

Greenberg, D. M., Baron-Cohen, S., Rosenberg, N.*, Fonagy, P., & Rentfrow, P. J. (2018). Elevated empathy in adults following childhood trauma. *PLoS ONE*, 3(10): e0203886.

Fricke, K. R., **Greenberg, D. M.**, Rentfrow, P. J., & Herzberg, P. Y. (2018). Computer-based music feature analysis mirrors human perception and can be used to measure music preference. *Journal of Research in Personality*, 75, 94-102.

Nave, G., Minxha, J., **Greenberg, D. M.**, Kosinski, M., Stillwell, D. J., Rentfrow, P. J. (2018). Musical preferences predict personality: Evidence from active listening and Facebook likes. *Psychological Science*. 0956797618761659.

Greenberg, D. M., Kolasi, J., Hegsted., C. P., Berkowitz, Y., & Jurist, E. L. (2017). Mentalized Affectivity: A new model and assessment of emotion regulation. *PLoS ONE*, 12(10), e0185264.

Greenberg, D. M. & Rentfrow, P. J. (2017). Music and big data: A new frontier. *Current Opinion in Behavioral Sciences*, 18, 50-56.

Greenberg, D. M., Kosinski, M., Stillwell, D. J., Monteiro, B. L., Levitin, D. J., & Rentfrow, P. J. (2016). The song is you: Preferences for musical attribute dimensions reflect personality. *Social Psychological and Personality Science*, 7(6), 597-605.

Greenberg, D. M. (2015). Additional Considerations to the Model of Musical Empathic Engagement: Empathy Facets, Preferences, and Openness. Comment on "Music, Empathy, and Cultural Understanding" by E. Clarke et al. *Physics of Life Reviews*.

Greenberg, D. M., & Rentfrow, P. J. (2015). Rules of engagement: The structure of musical engagement and its personality underpinnings. In *Proceedings of the Ninth Triennial Conferences of the European Society for the Cognitive Sciences of Music*. Manchester, United Kingdom.

- Greenberg, D. M.**, Rentfrow, P. J., & Baron-Cohen, S. (2015). Can music increase empathy? Interpreting musical experience through the Empathizing-Systemizing (E-S) theory: Implications for autism. *Empirical Musicology Review*, 10(1), 80-95
- Greenberg, D. M.**, Müllensiefen, D., Lamb, M. E., & Rentfrow, P. J. (2015). Personality predicts musical sophistication. *Journal of Research in Personality*, 58, 154-158.
- Greenberg, D. M.**, Baron-Cohen, S., Stillwell, D. J., Kosinski, M., & Rentfrow, P. J. (2015). Musical preferences are linked to cognitive styles. *PLoS ONE*. 10(7), e01311
- Chan, W., McCrae, R. R., Rogers, D. L., Weimer, A. A., **Greenberg, D. M.**, Terracciano, A. (2011). Rater wealth predicts perceptions of outgroup competence. *Journal of Research in Personality*, 45(6), 597-603.

Manuscripts Under Review

- Greenberg, D. M.**, Matz, S., & Fricke, K. R. (under review). Thus music homophily effect. Under extended review at *Psychological Science*.
- Anderson, I., Gil, S., Gibson, C., Shapiro, W., Wolf, S., Semerci, O., & **Greenberg, D. M.** (under review). ‘Just The Way You Are’: Linking Music Listening on Spotify and Personality. Under review at *Nature Human Behavior*.
- Greenberg, D. M.**, & Rentfrow, P. J. (under review). A five-factor model of musical engagement. Under review at *Music Perception*.
- Fricke, K. R., **Greenberg, D. M.**, Rentfrow, P. J., & Herzberg, P. Y. (under review). The AVD model of musical preferences confirmed in one million listeners of 200,000 songs. Under review at *Music Perception*.
- Rosenberg N., Lamb, M. E., & **Greenberg, D. M.** (under review). Musical paths to wellbeing after trauma: An investigation of gender, personality, and musical engagement in adults with childhood trauma. Under review at *Journal of Traumatic Stress*.

Manuscripts In Preparation

- Greenberg, D. M.**, Wride, S., Snowden, D., & Rentfrow, P. J. (in prep). Mapping musical preferences and personality across 50 cultures: Data from a quarter million people.
- Greenberg, D. M.**, Holt, R., Allison, C., Newman, R., Boardman, T., Haidt, J., & Baron-Cohen, S. (in prep). Understanding morality in autism: An investigation of moral foundations in autism and empathizing-systemizing ‘brain types’.
- Greenberg, D. M.**, Baron-Cohen, S., & Rentfrow, P. J. (in prep). My favorite things: Music ability, perception, and preferences in autism.

Greenberg, D. M. (in prep). Musical behavior and creativity in Bipolar Disorder: Advancing prior theory in 1,000 cases vs 1,000 controls.

Greenberg, D. M., Baron-Cohen, S., Limb, C. J., & Rentfrow, P. J. (in prep). The psychological structure and correlates of music performance attributes.

Book Chapters

Greenberg, D. M. (in press). Music and personality. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*. Springer.

Rentfrow, P. J., & **Greenberg, D. M.** (in press). The social psychology of music. In P. J. Rentfrow & D. J. Levitin (Eds.), *Foundations in Music Psychology: Theory and Research*. MIT Press.

Greenberg, D. M. & Baron-Cohen, S. (2017). Empathizing-Systemizing Theory: Past, Present, and Future. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*. Springer.

Greenberg, D. M. & Rentfrow, P. J. (2017). The social psychological underpinnings of musical identities: A study on how personality stereotypes are formed from musical cues. In R. MacDonald, D. Miell, & D. Hargreaves (Eds.), *The Oxford Handbook of Musical Identities*. Oxford, UK: Oxford University Press.

McCrae R., R., & **Greenberg, D. M.** (2014). Openness to Experience. In D. K. Simonton (Ed.), *The Wiley-Blackwell Handbook of Genius*. Oxford, UK: Wiley-Blackwell.

* = student author

TEACHING EXPERIENCE

Primary Instructor

City University of New York, New York, NY
Psychology of Music

Spring 2017**

Rowan University, Pemberton, NJ
Introduction to Psychology

Fall 2011

** = course description: This course explores the psychological underpinnings and therapeutic effects of music. Through cutting edge theory and research it will show how musical behavior is not random, but rather closely linked to personality, culture, and neuroscience.

Secondary Instructor

Rutgers University, New Brunswick, NJ
Personality Psychology

Spring 2009 & 2010

Student Supervision

Berkowitz, Yoni (2015-16). *Empathy, music preference, and evoked emotion in typical and ASC populations*. Master's thesis at **City University of New York**.

Rosenberg, Nora (2015-16). *Musical engagement, trauma, and life satisfaction*. Undergraduate thesis at **University of Cambridge**.

Golanova, Bara (2012-13). *A cross-cultural study of musical engagement and political beliefs*. Undergraduate thesis at **University of Cambridge**.

Mahmud, Kinza (2012-13). *Music preferences, engagement, and medium: A cross-cultural analysis*. Undergraduate thesis at **University of Cambridge**.

Mussita, Angelo (2012-13). *Correlates of music consumption: Engagement and music-related purchasing behavior in Japan and the UK*. Undergraduate thesis at **University of Cambridge**.

CLINICAL EXPERIENCE

Music Therapy Clinic, Anglia Ruskin University, Cambridge, UK 2017
Training music therapist
Clinical music therapy interventions with children and adolescents with autism.

Psychological Center, City College of New York, City University of New York, New York, NY 2015-2017
Training psychotherapist
Child and adult evaluations, child and adult out-patient individual psychotherapy, psychological testing.

New York University Child Study Center, New York, NY 2007-2008
Intern for Summer Program for Kids and Booster Program
Behavioral program for children with ADHD, ASD, and other developmental disorders. Including Follow-up program for children with developmental disorders.

INDUSTRY EXPERIENCE

Channel 4 (British Television) 2017
Big Data project on autistic traits.

Spotify 2016-2018
Undisclosed project.

National Geographic and Spotify 2016
 Developed a personality-based online widget to accompany the TV season premiere of Brain Games.

AWARDS, GRANTS, & HONORS

- Daniel Turnberg Fellowship (Academy of Medical Sciences) for a study on the Israeli-Palestinian Choir (£3,000). 2018
- Early Career Researcher Award by the European Society for the Cognitive Sciences of Music (ESCOM). 2015
- Autistica Grant for “vulnerability to mental health problems in autism” (co-applicant. PIs: Professor Simon Baron-Cohen, and Dr. Carrie Allison) (£83,383). 2015
- City University of New York Graduate Center Fellowship (\$150,000). 2015
- Society for Personality and Social Psychology Travel Award (under \$1,000).
- Cambridge Trusts’ International Scholarship for PhD Studies (£62,250). 2011-2015
- Ranked 1st in the Social and Developmental Psychology Master’s program at The University of Cambridge. 2011
- Gates Cambridge Finalist. 2010 & 2011
- Alice M. and Walter F. Phillips Award for Best Honors Thesis in Psychology, Rutgers University. 2010
- Dorothy and David Cooper Research Grant for Research Personality Psychology (under \$1,000). 2009
- Aresty Research Grant for Research in Aesthetic Philosophy (under \$1,000). 2008
- Aresty Research Grant for research in social psychology (under \$1,000). 2008
- National Institutes of Health (NIH) Summer Intern Community Service Award. 2008

SERVICE

- Founder and Director of music research and therapy non-for-profit (under review). 2017-Present
- Board member of London Steering Group Committee for Music Fund Charity. 2013
- Supporter, trainer, and training officer for the Peer2Peer Program at the University of Cambridge. 2012-2013
- Mentor for disadvantaged minority children with developmental and mood disorders at Cambridge Behavioral Health. 2011-2012
- Clare Hall Graduate Student Music Officer (University of Cambridge) 2010-2011
- EuroScholars American Ambassador in Italy. Fall 2008
- Community service project restoring bombed buildings in Israel. Winter 2008

- Volunteer for the National Relief Network in New Orleans after Hurricane Katrina. Spring 2007
- Volunteer for Rutgers Chabad working with autistic adults. 2006-2007

MEDIA COVERAGE

- Numerous television interviews include CNN ([here](#)) and BBC ([here](#)).
- 50+ radio interviews include BBC ([here](#)), NPR ([here](#)), CBS, and the Naked Scientists ([here](#)).
- 50+ newspaper and magazine interviews include *The New York Times*, *Wall Street Journal* ([here](#)), *The Times*, *Discover Magazine* ([here](#)), *The Huffington Post* ([here](#)), CNN ([here](#)), and Business Insider ([here](#)).
- Invited contributor to *Psychology Today* (2016-present).

REVIEWER

Proceedings of the National Academy of Sciences, British Journal of Psychology, Cognition, Frontiers in Psychology, Music Perception, Musicae Scientiae, Personality and Social Psychology Bulletin, PLoS ONE, Psychology of Music, Psychology of Popular Media Culture, Social Psychological and Personality Science, Music & Science, Frontiers in Psychology.

PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Psychological Association, Society for Personality and Social Psychology (SPSP), European Society for Cognitive Sciences of Music (ESCOM), Society for Education, Music and Psychology Research (SEMPRE), International Association for Cross-Cultural Psychology (IACCP).

REFEREES

Dr. Peter Jason Rentfrow
 Department of Psychology
 University of Cambridge
 Email: pjr39@cam.ac.uk

Professor Michael E. Lamb
 Department of Psychology
 University of Cambridge
 Email: mel37@cam.ac.uk

Professor Simon Baron-Cohen
 Autism Research Centre
 Department of Psychiatry
 University of Cambridge
 Email: sb205@cam.ac.uk

Dr. Robert R. McCrae
 National Institutes of Health
 Email: RRMcCrae@gmail.com

Citations for conference presentations and talks can be furnished upon request.

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