

NATASHA DUELL, PH.D.
CURRICULUM VITAE

PERSONAL INFORMATION

Department of Psychology and Neuroscience
Davie Hall Room 215
University of North Carolina at Chapel Hill

E-Mail: natashaduell@unc.edu
Website: natashaduell.com
Twitter handle: [@natashaduell](https://twitter.com/natashaduell)

My research uses a strengths-based approach to studying cultural and biopsychosocial factors supporting adaptive decision-making in adolescence. I use advanced statistics and methods including experimental tasks, ecological momentary assessments, fMRI, and hormone samples. I am committed to cultivating an equitable and inclusive academic environment and to responsible and transparent scientific practices.

CURRENT POSITION

2021-Present **National Science Foundation Postdoctoral Fellow**
Directorate for Social, Behavioral, and Economic Sciences
Effects of Discrimination on Neural Circuitry and Self-Regulatory Functioning in Adolescence

EDUCATION & TRAINING

2018-2021 **T32 Postdoctoral Fellowship**, National Institute of Child Health and Development
Frank Porter Graham Child Development Institute (formerly Center for Developmental Science)
University of North Carolina at Chapel Hill

2018 **PhD, Psychology**, Temple University
Dissertation title: Positive Risk Taking in Adolescence
Advisor: Dr. Laurence Steinberg

2011 **BA, Psychology and Social Behavior**, University of California, Irvine (magna cum laude)

AWARDS AND FUNDING

2022 Equity and Inclusivity Service Award, UNC Department of Psychology and Neuroscience

2020-2022 Jacobs Foundation Young Scholars Grant (Co-PI)
Effects of Feedback Sensitivity and Emotion Regulation on Learning and School Performance in Adolescents from Multiple Countries
Award amount: 80,000 CHF

2020 Emerging Scholar Spotlight, Society for Research on Adolescence

2019 Martinos Center for Biomedical Imaging fMRI Visiting Fellowship

2018 Visiting fellowship for the 2019 Jacobs Foundation Conference: “An agenda for research on child development and learning for the third decade of the 21st century.”

- 2018 Temple University Doctoral Dissertation Completion Grant (Fellowship for Spring 2018)
Award amount: \$11,000
- 2018 Temple University College of Liberal Arts Travel Award
Award amount: \$250
- 2016 Temple University College of Liberal Arts Travel Award
Award amount: \$250
- 2015 Mortimer D. Sackler Summer Institute Visiting Fellowship on Law and Neuroscience, *Sackler Institute for Developmental Psychobiology, Weill Cornell Medical College*

RESEARCH EXPERIENCE

- 2013-2018 **Graduate Research Assistant**, *Temple University*
Decision-Making in Everyday Life (PIs: Drs. Laurence Steinberg and Jennifer Lansford)
- 2011-12 **Research Assistant**, *University of California, Irvine*
miLife Study (PI: Dr. Candice Odgers)
- 2010-12 **Lab Manager; Research Assistant**, *University of California, Irvine*
Crossroads Study (PI: Dr. Elizabeth Cauffman)

PUBLICATIONS

- Fryt, J., Szczygiel, M., & **Duell, N.** *In press*. Positive and negative risk-taking: Age patterns and relations to domain-specific risk-taking. *Advances in Life Course Research*.
- Duell, N.**, Kwon, S-J., Do, K. T., Turpyn, C. C., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2022). Positive risk taking and neural sensitivity to risk decision making in adolescence. *Developmental Cognitive Neuroscience*, 57, 101142. doi: 10.1016/j.dcn.2022.101142
- Armstrong-Carter, E., Do, K. T., **Duell, N.**, Kwon, S-J., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2022). Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences. *Social Development*. doi: 10.1111/sode.12630
- Duell, N.**, Christophe, K. N., & Martin-Romero, M. Y. (2022). Risk taking profiles among college students: An examination of health-risk taking, anti-racism action, and college functioning. *Journal of American College Health*, 3, 1-9. doi: 10.1080/07448481.2022.2077636
- Schwartz-Mette, R. A., **Duell, N.**, Lawrence, H. R., & Balkind, E. G. (2022). COVID-19 distress impacts adolescents' depressive symptoms, NSSI, and suicide risk in the rural, Northeast US. *Journal of Clinical Child and Adolescent Psychology*, 8, 1-14. doi: 10.1080/15374416.2022.2042697
- Armstrong-Carter, E., Bibby, E., Burroughs, M., Flannery, J., Nelson, B. W., **Duell, N.**, Prinstein, M. J., & Telzer, E. H. (2021). Adolescents are more likely to help others on days they take risks and crave social connections. *Journal of Research on Adolescence*. doi: 10.1111/jora.12705
- Fryt, J., Szczygiel, M., & **Duell, N.** (2021). Positive and negative risk taking in adolescence: Age patterns and relations to social environment. *New Directions for Child and Adolescent Development*, 179, 127-146. doi: 10.1002/cad.20431

- Duell, N., & Steinberg, L. (2021).** Adolescents take positive risks, too. *Developmental Review, 62*, 100984. doi: 10.1016/j.dr.2021.100984
- Nelson, B. W., Flannery, J. E., **Duell, N.**, Flournoy, J., Prinstein, M. J., & Telzer, E. H. (2021). Concurrent and prospective associations between Fitbit derived RDoC arousal and regulation constructs and adolescent internalizing symptoms. *Journal of Child Psychology and Psychiatry.* doi: 10.1111/jcpp.13471.
- Duell, N.,** van Hoorn, J., McCormick, E. M., Prinstein, M. J., & Telzer, E. H. (2021). Hormonal and neural correlates of prosocial conformity in adolescents. *Developmental Cognitive Neuroscience, 48*, 100936. doi: 10.1016/j.dcn.2021.100936
- Duell, N.,** Clayton, M. G., Telzer, E. H., & Prinstein, M. J. (2020). Measuring peer influence susceptibility to alcohol use: Convergent and predictive validity of a new analogue assessment. *International Journal of Behavioral Development.* Online first. doi: 10.1177/0165025420965729
- Kwon, S-J., Turpyn, C. C., **Duell, N.,** & Telzer, E. H. (2020). Neural underpinnings of social contextual influences on adolescent risk taking. *Current Addiction Reports.* doi: 10.1007/s40429-020-00328-6.
- Duell, N., & Steinberg, L. (2020).** Differential correlates of positive and negative risk taking in adolescence. *Journal of Youth and Adolescence, 49*, 1162-1178. doi: 10.1007/s10964-020-01237-7
- Duell, N., & Steinberg, L. (2019).** Positive risk taking in adolescence. *Child Development Perspectives, 13*, 48-52. doi: 10.1111/cdep.12310
- Icenogle, G., Steinberg, L., **Duell, N.,** Chein, J., Chang, L., Chaudhary, N., Di Giunta, L., Dodge, K. A., Fanti, K. A., Lansford, J. E., Oburu, P., Pastorelli, C., Skinner, A. T., Sorbring, E., Tapanya, S., Uribe Tirado, L. M., Alampay, L. P., Al-Hassan, S. M., Takash, H. M. S., & Bacchini, D. (2019). Adolescents' cognitive capacity reaches adult levels prior to their psychosocial maturity: Evidence for a "maturity gap" in a multinational sample. *Law and Human Behavior, 43*, 69-85. doi: 10.1037/lhb0000315
- Scott, E. S., **Duell, N.,** & Steinberg, L. (2018). Brain development, social context and justice policy. *Washington University Journal of Law and Policy, 57*, 13-74.
- Duell, N.,** Icenogle, G., Silva, K., Steinberg, L., Chein, J., Banich, M. T., Lei, C., Chaudhary, N., Di Giunta, L., Dodge, K. A., Fanti, K. A., Lansford, J. E., Oburu, P., Pastorelli, C., Skinner, A. T., Sorbring, E., Tapanya, S., Uribe Tirado, L. M., Alampay, L. P., Al-Hassan, S. M., Takash, H. M. S., & Bacchini, D. (2018). A cross-sectional examination of response inhibition and working memory on the Stroop task. *Cognitive Development, 47*, 19-31. doi: 10.1016/j.cogdev.2018.02.003
- Duell, N.,** Steinberg, L., Icenogle, G., Chein, J., Chaudhary, N., Di Giunta, L., Dodge, K. A., Fanti, K. A., Lansford, J. E., Oburu, P., Pastorelli, C., Skinner, A. T., Sorbring, E., Tapanya, S., Uribe Tirado, L. M., Alampay, L. P., Al-Hassan, S. M., Takash, H. M. S., Bacchini, D., & Chang, L. (2018). Age patterns in risk taking across the world. *Journal of Youth and Adolescence, 47*, 1052-1072 doi: 10.1007/s10964-017-0752-y
- Duell, N.,** Steinberg, L., Chein, J., Al-Hassan, S. M., Bacchini, D., Chang, L., Chaudhary, N., Di Giunta, L., Dodge, K. A., Fanti, K. A., Lansford, J. E., Malone, P. S., Oburu, P., Pastorelli, C., Skinner, A. T., Sorbring, E., Tapanya, S., Uribe Tirado, L. M., & Alampay, L. P. (2016). Interaction of reward seeking and self-regulation in the prediction of risk taking: A cross-national test of the dual systems model. *Developmental Psychology, 52*, 1593-1605. doi: 10.1037/dev0000152

Shulman, E. P., Smith, A. R., Silva, K., Icenogle, G., **Duell, N.**, Chein, J., & Steinberg, L. (2016). The dual systems model: Review, reappraisal, and reaffirmation. *Developmental Cognitive Neuroscience, 17*, 103-117. doi: 10.1016/j.dcn.2015.12.010

Duell, N., Icenogle, G., & Steinberg, L. (2016). Adolescent decision making and risk taking. In L. Balter & C. S. Tamis-LeMonda (Eds.), *Child psychology: A handbook of contemporary issues* (3rd ed.). New York, NY: Psychology Press/Taylor & Francis.

MENTORED MANUSCRIPTS

* Indicates mentee

*Kreidell, K., **Duell, N.** Hormones, prosocial behavior, and the social brain. Manuscript to be submitted to *Frontiers for Young Minds*.

*Netschytailo, H., **Duell, N.**, Prinstein, M. J., & Telzer, E. H. 2022. How adolescents' resiliency mitigates the relation between household dysfunction and maladaptive behavior. *UCLA Undergraduate Research Journal of Psychology, 9*, 40-55.

*Huang, Z., & **Duell, N.** (2020). A novel music therapy intervention utilizing pop music to reduce adolescent anxiety and depression. *Journal of Student Research, 9*, ISSN: 2167-1907

CONFERENCE TALKS

Duell, N., Christophe, K. N., & Martin Romero, M. Y. (2022). Risk taking profiles among college students: An examination of health-risk taking, anti-racism action, and college functioning. Presenting author and chair for symposium: "Shifting the narrative around risk: Civic engagement and positive youth development among minoritized youth." **Society for Research on Adolescence**, New Orleans, LA.

Duell, N., van Hoorn, J., McCormick, E. M., & Telzer, E. H. (2021). Hormonal and neural correlates of prosocial conformity in adolescents. Presenting author for symposium: "Embodied Cognition: Biological, Social, and Affective Influences on Executive Functioning During Adolescence." **Society for Research on Adolescence**, virtual meeting.

Flannery, J., Jorgensen, N., Kwon, S-J., Nelson, B. W., Turpyn, C. C., **Duell, N.**, Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2021). Covariation in adolescent social behavior and mood following COVID-19 social restriction: Moderators of neural sensitivity. Non-presenting author for symposium: "The Neurobiological Predictors of Mental Health during the COVID-19 Pandemic." **Society for Research in Child Development**, virtual meeting.

Duell, N., McCormick, E. M., Perino, M., & Telzer, E. (2020). Risk taking and neural tracking of social threat in delinquent youth. Talk accepted for symposium: "Exploring the Cognitive and Psychosocial Correlates of Delinquent Behavior among At-Risk Youth." **Society for Research on Adolescence**, San Diego, CA.¹

Duell, N., van Hoorn, J., McCormick, E. M., & Telzer, E. (2020). Hormonal and neural correlates of prosocial conformity in adolescents. Talk accepted for symposium: "Embodied Cognition: Biological, Social and Affective Influences on Executive Functioning During Adolescence." **Society for Research on Adolescence**, San Diego, CA.¹

Duell, N., Chein, J., Olino, T., & Steinberg, L. (2019). Teens take good risks, too: An exploratory study of positive risk taking in adolescence. Presenter author for symposium: "Beyond Sex, Drugs, and Rock n' Roll: Adaptive Functions of Adolescent Risk-Taking." **Society for Research in Child Development**, Baltimore, MD.

Simmons, C., Knowles, A., **Duell, N.**, Fine, A., Steinberg, L., Frick, P. J., & Cauffman, E. (2019). The impact of juvenile justice system involvement on adolescent well-being. Non-presenting author at symposium: "Focus on the Positives: Examining Positive Developmental Outcomes with At-Risk Populations." **Society for Research in Child Development**, Baltimore, MD.

Duell, N., Icenogle, G., & Steinberg, L. (2016). A cross-cultural examination of the dual systems model of adolescent risk taking. Chair and presenter at symposium: “Advances in the Dual Systems Model of Adolescent Risk Taking.” **Society for Research on Adolescence**, Baltimore, MD.

CONFERENCE POSTERS

Duell, N., Bender, E., Alvarez, G. M., Telzer, E. H., & Muscatell, K. A. (2022). Familism moderates the effect of discrimination on self-regulation via brain connectivity. Poster at **Flux Congress**, Paris, France.

Di Giunta, L., **Duell, N.**, Uribe Tirado, L. M., Ruiz Garcia, M. S., Gliozzo, G., Comitale, C., Riccioni, C., Virzi, A. T., Finocchiaro, L., & Lunetti, C. (2022). Feedback sensitivity, emotion regulation, and adolescents’ adjustment in a low-middle SES Colombian sample. Non-presenting author on poster. **International Society for the Study of Behavioural Development**, Rodos Palace, Rhodes, Greece.

Duell, N., van Hoorn, J., McCormick, E. & Telzer, E. (2019). Biological correlates of prosocial decision-making: A test of brain activation and the dual-hormone hypothesis. Poster at **Flux Congress**, New York, NY.

Gliozzo, G., Di Giunta, L., Icenogle, G., **Duell, N.**, Steiner, L., Fiasconaro, I., Iselin, A-M., Lunetti, C., Pastorelli, C., Eisenberg, N., Lansford, J., Uribe Tirado, L., & Bacchini, D. (2019). Cross-cultural links among executive functions, emotionality, emotion regulation, and effortful control in preadolescence. Non-presenting author on poster. **Society for Research in Child Development**, Baltimore, MD.

Duell, N., Icenogle, G., & Steinberg, L. (2018). Age patterns in risk taking across the world. Poster at **Society for Research on Adolescence**, Minneapolis, MN.

Duell, N., Icenogle, G., Silva, K., Banich, M., Chein, J., & Steinberg, L. (2016). Influence of working memory on Stroop performance: A developmental examination. Poster at **Society for Research on Adolescence**, Baltimore, MD.

Duell, N., & Steinberg, L. (2015). Predictors and benefits of school engagement in adolescent offenders. Poster at **Society for Research on Child Development**, Philadelphia, PA.

MENTORED PRESENTATIONS

* Indicates mentee

*Netschytailo, H. (July 2020). Adolescent externalizing behaviors: How socioeconomic environment, parents, and peers affect behavior. Oral presentation for the McNair Scholar’s Program Virtual Research Symposium at the University of North Carolina at Chapel Hill.

*Culhane, A., Duell, N., & Telzer, E. H. (October 2019). Exploring racial/ethnic differences in the mediating effect of internalizing symptoms on parent-child relations and adolescent substance use. Poster presented at the annual meeting of the Society for Advancing Chicanos/Hispanics and Native American Science. Honolulu, Hawai’i.

INVITED TALKS

2021 “The dual systems model of adolescent risk taking,” *University of Arizona*, graduate seminar on Juvenile Delinquency and Juvenile Justice (primary instructor: Dr. Adam Fine)

2019 “Biological correlates of prosocial conformity: An exploration of the dual-hormone hypothesis and brain activation in adolescents,” *Duke Department of Developmental Psychology*

2019 “Adolescent risk taking in context,” *Duke Center for Child and Family Policy*

2018 “Adolescent risk taking: For better or for worse?” *UNC-Chapel Hill Department of Psychology and Neuroscience*

2018 “Peers and friendship,” *UNC-Chapel Hill* undergraduate course in Adolescent Development (primary instructor: Dr. Eva Telzer)

2018 “Age patterns in risk taking across the world,” *Rutgers University-Camden*, brownbag series for Master’s Psychology course (primary instructor: Dr. Naomi Marmorstein)

2017 “The adolescent brain,” *General George A. McCall Elementary School*

PRESS/PUBLIC INTEREST

Jacobs Foundation BOLD Blog (senior author): [Effect of mass exodus of teachers on students](#)

Jacobs Foundation BOLD Blog (sole author): [The positive side of risk taking](#)

Medium: [Teenage Brain Runs on Raw Emotion](#)

NIH Science Update: [Adolescents who take positive risks tend to be less impulsive, more connected to school](#)

TEACHING AND LEADERSHIP

Spring '21 – Fall '22 **Primary Instructor**, *Temple University*
Capstone in Psychology: Adolescent Development (online)

August 2019 **Co-Organizer**, *Flux Congress (pre-conference workshop)*
Sponsored by Hopelab and the Bezos Family Foundation
Beyond the lab: Translating developmental neuroscience

Fall 2017 **Recitation Leader**, *Temple University*
Brain Matters (undergraduate course)
Instructor: Dr. Peter James

Summer 2016 **Primary Instructor**, *Temple University*
Capstone in Psychology: Adolescent Development

2015-16 **Teaching Assistant**, *Temple University*
Graduate Statistics in Psychology
Instructor: Dr. Andrew Karpinski

STATISTICAL TRAINING

2020 Network Analysis Webinar, *Curran-Bauer Analytics*

2016 Structural Equation Modeling Graduate Course, *Temple University*

2015 Hierarchical Linear Modeling Graduate Course, *Temple University*

2014 Multivariate Statistics Graduate Course, *Temple University*

PROFESSIONAL SEMINARS

2020 Adolescent Brain Cognitive Development – Virtual Training for Reproducible Analyses

2019 Saliva Biomarkers Workshop: Integrating Salivary Bioscience into Behavioral, Developmental & Health Science Research, *UNC Chapel Hill*

2019 Promoting positive risk taking and well being in adolescents and young adults, informal workgroup hosted by *Hopelab, San Francisco*

2018 The Adolescent Brain workshop, *Neuroscience School of Advanced Studies*

2016 Online Teaching Workshop, *Temple University Center for the Advancement of Teaching*

2015 Law and Neuroscience Symposium: “Court Involved Youth in the 21st Century,” *Juvenile Law Center*

SERVICE AND OUTREACH

Spring 2022 **Reviewer**, Dissertation of Irene Fiasconaro, *Sapienza University of Rome*
Dissertation title: Sadness and Somatic Symptoms in Adolescence

Fall 2021 **Certified**, Adult Mental Health First Aid

2020-present National Council for Mental Wellbeing
Editorial Board, *Journal of Youth and Adolescence*
2020-present **DEI Committee Member, *UNC-Chapel Hill***
Dep't of Psychology and Neuroscience Anti-Racism Accountability Committee
2020-2021 **DEI Committee Member, *UNC-Chapel Hill***
Dep't of Psychology and Neuroscience Anti-Racism Education and Training Committee
2020-2021 **DEI Committee Member, *UNC-Chapel Hill***
Dep't of Psychology and Neuroscience Climate and Inclusion Committee
Summer 2020 **Trainee, Academics for Black Survival and Wellness allyship workshop**
Spring 2020 **Planning Committee Member, *UNC-Chapel Hill***
Carolina Consortium on Human Development Proseminar Series: The Brain-Body
Connection and Links to Mental and Physical Health Across the Lifespan
Instructor: Dr. Eva Telzer
Spring 2019 **Trainee, Helping Advocates for Ending Violence Now (HAVEN) Training, *UNC-Chapel Hill***
Fall 2019 **Trainee, SafeZone LGBTQ+ Awareness and Ally Training, *UNC-Chapel Hill***
2018, 2019 **Planning Committee Member, *UNC-Chapel Hill***
Brain Academy (offers a collegiate experience to students from underrepresented groups)
2016-2017 **Co-Coordinator, *Temple University***
Developmental Psychology Colloquium Committee
2014-2015 **Graduate Student Recruitment Organizer, *Temple University***
Developmental Psychology

AD-HOC REVIEWER

Assessment, Cerebral Cortex, Child Development, Cognition, Developmental Cognitive Neuroscience, Developmental Psychobiology, Developmental Psychology, Development and Psychopathology, Journal of Adolescence, Journal of Adolescent Research, Journal of American College Health, Journal of Research on Adolescence, Neuropsychology Review, Psychological Science, Sage Open