

Curriculum Vitae
Elizabeth P. Shulman, Ph.D.

[last updated August 31, 2017]

Department of Psychology
Brock University
1812 Sir Isaac Brock Way
St. Catharines, ON L2S 3A1, Canada

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POSITIONS

- Jul 2014 -present Assistant Professor, Department of Psychology
Brock University, St. Catharines, ON, Canada
- Jul 2012–Jun 2014 Postdoctoral Fellow (at two institutions)
University of Pennsylvania, Positive Psychology Center, Philadelphia, PA
Mentor: Angela Duckworth, Ph.D.
Temple University, Department of Psychology, Philadelphia, PA
Mentor: Laurence Steinberg, Ph.D.

EDUCATION

- Jun 2012 Ph.D. in Psychology and Social Behavior
University of California, Irvine
Major: Developmental Psychology
Minor: Quantitative Methods
Dissertation:
Deciding in the Dark: Developmental Differences between Adolescents and Adults in Unconscious Decision-Making
Chair: Elizabeth Cauffman, Ph.D.
Members: Chuansheng Chen, Ph.D., AnneMarie M. Conley, Ph.D., Peter H. Ditto, Ph.D., and Jodi Quas, Ph.D.
- Jun 2007 M.A. in Social Ecology
University of California, Irvine
Thesis:
Adolescents' Adjustment to Incarceration: The Role of Coping
- May 1999 B.A. in Psychology-Sociology with Honors
Wesleyan University, Middletown, CT

FELLOWSHIPS, AWARDS AND HONORS

- Jul 2013 Featured in the Society for Research on Adolescence's "Emerging Scholar Spotlight"
- Jun 2012 Ellen Greenberger Excellence in Graduate Research Award (UC Irvine)
- Nov 2011 Chancellor's Club Fund for Excellence Fellowship (UC Irvine)
- Jun 2012, '11, '09 Graduate Mentoring Award (UC Irvine)
- Jul 2011 Dean's Dissertation Writing Fellowship (UC Irvine)
- Aug 2010 Best Student Paper Award – American Psychological Association, Division 7
- Jun 2010 Alison Clarke-Stewart Graduate Dissertation Award (UC Irvine)
- Sep 2006–2007 National Institute of Mental Health Training Grant Trainee (MH19958-07)
- May 1999 Walkley Prize for excellence in psychology and original research (Wesleyan University)

May 1998 Phi Beta Kappa (Wesleyan University)

FUNDING OBTAINED

Apr 2017 Natural Sciences and Engineering Research Council (NSERC) Discovery Grant: Age-Related Patterns in Intuition about Risk and Reward (2017-2022).
\$150,000 Principal Investigator

Jul 2016 Canadian Institutes of Health Research (CIHR) Project Grant: 2016 1st Live Pilot (2016-2021). Brock Healthy Youth Project.
\$1,433,440 Co-Applicant

Jan 2016 Dean's BUFA contribution for conference travel, Brock University
\$600

Oct 2015 Evaluating Risk: Do the Mind and the Gut Disagree?
The Council for Research in the Social Sciences (CRISS), Brock University
\$2,000 Principal Investigator

Nov 2011 Deciding in the Dark: Developmental Differences between Adolescents and Adults in Unconscious Decision-Making
The American Psychology-Law Society Student Grants-in-Aid
\$750 Principal Investigator

Sep 2010 Deciding in the Dark: Developmental Differences between Adolescents and Adults in Unconscious Decision-Making
F.J. McGuigan Dissertation Award
\$2,000 Principal Investigator

Aug 2010 Doctoral Dissertation Research in DRMS: Deciding in the Dark--Developmental Differences between Adolescents and Adults in Unconscious Decision-Making
National Science Foundation Doctoral Dissertation Research Improvement Grant (Award number: SES-1024961)
\$12,071 Principal Investigator

May 2010 Deciding in the Dark: Differences between Adolescents and Adults in Unconscious Decision-Making Processes
Social Ecology Dean's Data Gathering Stipend (U.C. Irvine)
\$3,000 Principal Investigator

Feb 2008 Acculturation and Moral Foundations in Adolescence
University of California Institute for Mexico and the United States
\$1,500 Co-Principal Investigator

Nov 2007 Morality and Justice: The Middle Schooler's Perspective
American Psychology-Law Society Grants-in-Aid
\$600 Principal Investigator

PUBLICATIONS

Journal Articles - Peer-Reviewed

Steinberg, L., Icenogle, G., **Shulman, E. P.**, Breiner, K., Chein, J., Bacchini, D., ... & Fanti, K. A. (in press, February, 2017). Around the world, adolescence is a time of heightened sensation seeking and immature self-regulation. *Developmental Science*. doi: 10.1111/desc.12532

- Shulman, E. P.**, Monahan, K. C., & Steinberg, L. (2017). Severe violence during adolescence and early adulthood and its relation to anticipated rewards and costs. *Child Development*, 88, 16–26. doi: 10.1111/cdev.12684
- Silva, K., **Shulman, E. P.**, Chein, J., & Steinberg, L. (2016). Peers increase late adolescents' exploratory behavior and sensitivity to positive and negative feedback. *Journal of Research on Adolescence*, 26, 696–705. doi: 10.1111/jora.12219
- Shulman, E. P.**, Bechtold, J. N., Kelly, E. M., & Cauffman, E. (in press, May, 2016). Mental health screening in juvenile justice settings: Evaluating the utility of the Massachusetts Youth Screening Inventory, Version 2. *Criminal Justice Policy Review*. doi: 10.1177/0887403416650250
- Icenogle, G., Steinberg, L., Olino, T. M., **Shulman, E. P.**, Chein, J. et al. (in press, April, 2016). Puberty predicts approach but not avoidance behavior on the Iowa Gambling Task. *Child Development*.
- Carleton, R. N., Duranceau, S., **Shulman, E. P.**, Zerff, M., Gonzales, J., & Mishra, S. (June, 2016). Self-Reported Intolerance of Uncertainty and Behavioural Decisions. *Journal of Behavior Therapy and Experimental Psychiatry*, 51, 58–65. doi: <http://dx.doi.org/10.1016/j.jbtep.2015.12.004>
- 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: <http://dx.doi.org/10.1016/j.dcn.2015.12.010>
*Co-first authors
- Shulman, E. P.**, Harden, K. P., Chein, J. & Steinberg, L. (March, 2016). The development of impulse control and sensation-seeking in adolescence: Independent or interdependent processes? *Journal of Research on Adolescence*, 36, 37–44. doi: 10.1111/jora.12181
- Eskreis-Winkler, L., **Shulman, E. P.**, Young, V., Tsukayama, E., & Duckworth, A. L. (accepted September, 2015). Using wise interventions to motivate deliberate practice. *Journal of Personality and Social Psychology*.
- Shulman, E. P.**, Monahan, K. C., & Steinberg, L. (accepted August 2015). Severe violence during adolescence and early adulthood and its relation to anticipated rewards and costs. *Child Development*.
- Silva, K., **Shulman, E. P.**, Chein, J., & Steinberg, L. (online September, 2015). Peers increase adolescents' exploratory behavior and sensitivity to positive and negative feedback. *Journal of Research on Adolescence*. doi: 10.1111/jora.12219
- Monahan, K. C., King, K. M., **Shulman, E. P.**, Cauffman, E., & Chassin, L. (online January, 2015) The effects of violence exposure on the development of impulse control and future orientation across adolescence and early adulthood: Time-specific and generalized effects in a sample of juvenile offenders. *Development and Psychopathology*, 27, 1267–1283. doi:10.1017/S0954579414001394.
- Thornton, L. C., Frick, P. J., **Shulman, E. P.**, Ray, J. V., Steinberg, L., & Cauffman, E. (August, 2015) Callous-Unemotional Traits and Adolescents' Role in Group Crime. *Law and Human Behavior*, 39, 368-377. doi: <http://dx.doi.org/10.1037/lhb0000124>
- Duckworth, A. L., **Shulman, E. P.**, Mastrorarde, A. J., Patrick, S. D., Zhang, J., & Druckman, J. (April, 2015). Will not want: Self-control rather than motivation explains the female advantage in report card grades. *Learning and Individual Differences*, 39, 13-23. doi:10.1016/j.lindif.2015.02.006
- Shulman, E. P.**, Harden, K. P., Chein, J. & Steinberg, L. (January, 2015). Sex differences in the developmental trajectories of impulse control and sensation-seeking from early adolescence to early adulthood. *Journal of Youth and Adolescence*, 44, 1–17. doi: 10.1007/s10964-014-0116-9

- Eskries-Winkler, L., **Shulman, E. P.**, & Duckworth, A. (May, 2014). Survivor mission: Do those who survive have a drive to thrive at work? *Journal of Positive Psychology* 9(3), 209–218. doi: 10.1080/17439760.2014.888579
- Malloy, L. C., **Shulman, E. P.**, & Cauffman, E. (April, 2014). Interrogations, confessions, and guilty pleas among serious adolescent offenders, *Law and Human Behavior*, 38, 181–193. doi: 10.1037/lhb0000065
- Eskries-Winkler, L., **Shulman, E. P.**, Beal, S., & Duckworth, A. (February, 2014). The grit effect: Predicting retention in the military, the workplace, school and marriage. *Frontiers in Personality: Science and Individual Differences*, 5(36), 1–12. doi: 10.3389/fpsyg.2014.00036
- Shulman, E. P.**, & Cauffman, E. (January, 2014). Deciding in the dark: Age differences in intuitive risk judgment. *Developmental Psychology*, 50, 167–177. doi: 10.1037/a0032778
- Bechtold, J., Cavanagh, C., **Shulman, E. P.**, & Cauffman, E. (December, 2013). Does Mother know best? Adolescent and mother report of impulsivity and subsequent delinquency. *Journal of Youth and Adolescence*, 43, 1903–1913. doi: 10.1007/s10964-013-0080-9
- Shulman, E. P.**, Steinberg, L., & Piquero, A. R. (November, 2013). A mistaken account of the age-crime curve: Response to Males and Brown (2013). *The Journal of Adolescent Research*, 12, 25–34. doi: 10.1177/0743558413493005
- Shulman, E. P.**, Steinberg, L., & Piquero, A. R. (June, 2013). The age-crime curve in adolescence and early adulthood is not due to age differences in economic status. *Journal of Youth and Adolescence*, 42(6), 848–860. doi: 10.1007/s10964-013-9950-4
- Shulman, E. P.**, & Cauffman, E. (December, 2013). Reward-biased risk appraisal and its relation to juvenile vs. adult crime. *Law and Human Behavior*, 37, 412–423. doi: 10.1037/lhb0000033
- Knowles, E. D., Lowry, B., **Shulman, E. P.**, & Schaumberg, R. (June, 2013). Race, ideology, and the Tea Party: A longitudinal study. *PLOS ONE*, 8(6), e67110. doi: 10.1371/journal.pone.0067110
- Shulman, E. P.**, Cauffman, E., Fagan, J., & Piquero, A. (November, 2011). Moral disengagement among serious juvenile offenders: A longitudinal study of the relations between moral cognition and offending. *Developmental Psychology*, 47, 1619–1632. doi: 10.1037/a0025404
- Shulman, E. P.**, & Cauffman, E. (December, 2011). Coping while incarcerated: A study of male juvenile offenders. *Journal of Research on Adolescence*, 21, 818–826. doi: 10.1111/j.1532-7795.2011.00740.x
- Cauffman, E., **Shulman, E. P.**, Steinberg, L., Claus, E., Banich, M. T., Graham, S., & Woolard, J. (January, 2010). Age differences in affective decision making as indexed by performance on the Iowa Gambling Task. *Developmental Psychology*, 46, 193–207. doi: 10.1037/a0016128
- Cauffman, E., Lexcen, F., Goldweber, A., **Shulman, E. P.**, & Grisso, T. (July, 2007). Gender differences in mental health symptoms among delinquent and community youth. *Youth Violence and Juvenile Justice*, 5, 287–307. doi: 10.1177/1541204007301292
- Seamon, J. G., Luo, C. R., **Shulman, E. P.**, Toner, S. K., & Caglar, S. (July, 2002). False memories are hard to inhibit: Differential effects of directed forgetting on accurate and false recall in the DRM procedure. *Memory*, 10, 225–237. doi:10.1080/09658210143000344
- Wolfe, J. M., Klempen, N. L., & **Shulman, E. P.** (June, 1999). Which end is up? Two representations of orientation in visual search. *Vision Research*, 39 (12), 2075–2086. doi: 10.1016/S0042-6989(98)00260-0

Chapters and Reports - Non-Peer-Reviewed

- Shulman, E. P.**, & Steinberg, L. (August, 2015). Human development and juvenile justice. In K. Heilbrun (Ed.), *APA handbook of psychology and juvenile justice* (pp. 69-90). Washington, DC: American Psychological Association.
- Cauffman, E., **Shulman, E. P.**, Bechtold, J., & Steinberg, L. D. (March, 2015). Children and the law. In T. Leventhal & M. H. Bornstein (Eds.), *Handbook of child psychology and developmental science: Ecological settings and processes in developmental systems (7th Edition, Vol. 4*, pp. 616–651). Hoboken, NJ: Wiley.
- Shulman, E. P.**, Goldweber, A. M., & Cauffman, E. (August, 2009). *Mental health symptoms of incarcerated juvenile offenders: Change and continuity during the first three months in a secure facility*. Irvine, CA: UC Irvine Center for Evidence-Based Corrections.
- Cauffman, E., & **Shulman, E. P.** (2006). *MAYSI~2 statewide screening – California: Description of alcohol/drug use & mental health symptoms among youth as identified by the Massachusetts Youth Screening Instrument~2*. San Jose, CA: County of Santa Clara Department of Alcohol and Drug Services.
- Cauffman, E., **Shulman, E. P.**, Dickman, J., & Farruggia, S. (2006). *Mental health needs in Pennsylvania's secure juvenile detention population: A statewide study implementing the automated Massachusetts Youth Screening Instrument, Version 2*. Harrisburg, PA: Juvenile Detention Centers Association of Pennsylvania.

PROFESSIONAL PRESENTATIONS

- Preotiuc-Pietro, D., Schwartz, H. A., Park, G., Eichstaedt, J., Kern, M., Ungar, L., & **Shulman, E. P.** (June, 2016). Modelling valence and arousal in Facebook posts. Paper presented at the 7th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis, San Diego, CA.
- Shulman, E. P.**, Ager, E. (April, 2016). *Do Impulsivity and Sensation Seeking Interact with Each Other or with Age to Predict Risk-Taking Propensity Across Adolescence?* Poster presented at the biennial meeting of the Society for Research on Adolescence, Baltimore, MD.
- Silva, K., **Shulman, E. P.**, Chein, J., & Steinberg, L. (April, 2016). Peers increase adolescents' exploratory behavior and sensitivity to positive and negative feedback. Poster presented at the biennial meeting of the Society for Research on Adolescence, Baltimore, MD.
- Shulman, E. P.** (June, 2015). *Adolescent Brain Development: Implications for Legal Policy*. Presentation at the 2015 Forensic Science Conference (for public defenders), Washington, D.C.
- Shulman, E. P.**, & Steinberg, L. (March, 2015). *Is There Really Anything Wrong with Today's Twentysomethings?* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Shulman, E. P.**, & Steinberg, L. (March, 2015). *A Multinational Investigation of Age Differences in Affective Decision-Making on the Iowa Gambling Task*. Paper presented at the International Convention of Psychological Science, Amsterdam, The Netherlands. [Presented for me by K. P. Harden as I could not attend.]
- Shulman, E. P.**, Bechtold, J., Cauffman, E., & Steinberg, L. (May, 2014). *Partners in crime: Co-offending in adolescence and early adulthood*. Paper presented at the annual meeting of the Life History Research Society, Pittsburgh, PA.
- Shulman, E. P.**, Monahan, K. M. & Steinberg, L. (March, 2014). *Perceived risks and rewards of crime in adolescence and early adulthood*. Paper presented at the biennial meeting of the Society for Research on Adolescence, Austin, TX.
- Hamilton, J., **Shulman, E. P.**, & Steinberg, L. (March, 2014). *Psychosocial maturity as a mechanism linking childhood peer victimization and risky behavior in adolescence*. Poster presented at the biennial meeting of

the Society for Research on Adolescence, Austin, TX.

- Shulman, E. P.**, & Cauffman, E. (April, 2013). *Deciding in the dark: Age differences in intuitive risk judgment*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Shulman, E. P.**, Cauffman, E., Halpern-Felsher, H., & Millstein, S. G. (March, 2011). *Is knowing half the battle? Cognitive and psychosocial predictors of adolescent health-risk behavior*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC.
- Shulman, E. P.**, Kalder, A., & Cauffman, E. (August, 2010). *The significance of school bonding in scholastic and non-scholastic settings*. Paper selected for presentation at the invited symposium, "Young Researchers in Developmental Psychology Paper Session," at the annual convention of the American Psychological Association, San Diego, CA.
- Shulman, E. P.**, & Cauffman, E. (March, 2010). *The maturity disparity between offenders and non-offenders: Does it change with age?* Paper presented at the biennial meeting of the Society for Research on Adolescence, Philadelphia, PA.
- Shulman, E. P.**, & Cauffman, E. (March, 2010). *Adolescents' resistance to peer influence: Does it modulate family-based effects on externalizing behavior?* Paper presented at the biennial meeting of the Society for Research on Adolescence, Philadelphia, PA.
- Shulman, E. P.**, Cauffman, E., Piquero, A. R., & Fagan, J. (April, 2009). *Rationalization of wrongdoing among serious juvenile offenders: The role of moral disengagement in ongoing offending*. Paper presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Shulman, E. P.**, Boessen, A., Bechtold, J., & Cauffman, E. (March, 2009). *Iatrogenic effects of incarceration for first time juvenile offenders*. Paper presented at the annual meeting of the American Psychology-Law Society, San Antonio, TX.
- Goldweber, A. M., **Shulman, E. P.**, & Cauffman, E. (March, 2008). *Adjustment to incarceration: Examining adolescents' mental health, violent victimization and offending in the institution*. Paper presented at the biennial meeting of the Society for Research in Adolescence, Chicago, IL.
- Cauffman, E., **Shulman, E. P.**, Claus, E., Banich, M., Graham, S., Woolard, J., & Steinberg, L. (March, 2008). *Responding to reward versus punishment: How adolescents differ from adults in performance on the Iowa Gambling Task*. Paper presented at the biennial meeting of the Society for Research in Adolescence, Chicago, IL.
- Shulman, E. P.**, & Cauffman, E. (March, 2007). *The Experience of Incarceration: How do juvenile offenders cope?* Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Cauffman, E., Goldweber, A., Dmitrieva, J., Kaasa, S., Kelly, E., Malloy, L., & **Shulman, E. P.** (November, 2006). *Improving services for mentally ill juvenile offenders*. Paper presented at the annual meeting of the American Society of Criminology, Los Angeles, CA.
- Cauffman, E. & **Shulman, E. P.** (May, 2006). *The MAYSI-2: California statewide screening*. Presentation to the County Alcohol and Drug Program Administrators Association of California, Sacramento, CA.

TEACHING EXPERIENCE

Instructor

2015-2018 Research Methods and Data Analysis, Graduate Level (Brock Psyc 5F01)
Lifespan Development Research Seminar, Graduate Level (Brock Psyc 5Y61)
Adolescent Development, Undergraduate Level (Brock Psyc 3P18)

Co-Instructor

Jun 2013 Summer course (informal) in basic statistics for summer interns
Positive Psychology Center, University of Pennsylvania, Philadelphia, PA

Guest Lecturer

2012 Shulman, E. P. (January, 2012) *Adolescents and the Law*
Invited lecture for adolescent development course at Soka University, Aliso Viejo, CA

Founder/Instructor

Nov 2011-Jun 2012 UCI Stats 'n' Snacks – A series where graduate students teach one another
advanced statistical methods.

Teaching Assistant

2005–2009 Child Abuse and Neglect
Lifespan Development
Adolescent Development
Introduction to Psychology
Psychology Fundamentals
Qualitative Research Methods
Nutrition and Global Health

Guest Lecturer

2006, 2008 Shulman, E. P. (November, 2006 and November, 2008) *School and Achievement*.
Presentation given in Adolescent Development at U.C. Irvine.

2008, 2009 Shulman, E. P., Goldweber, A., Cauffman, E. (August, 2008 and July, 2009) *Adjustment to
Incarceration: Changes in Mental Health in a Sample of Serious Adolescent Offender*.
Presentation given in Child Psychopathology at U.C. Irvine.

SUPERVISION

2016-18 Master's thesis, Khadija Dairywala, Brock University

2015-17 Master's thesis committee, Taylor Heffer, Brock University: *A Count of Coping Strategies:
A Longitudinal Study Investigating an Alternative Method to Understanding Coping and
Adjustment*.

2015-16 Honors thesis, Emily Ager, Brock University: *Do Impulsivity and Sensation Seeking
Interact to Predict Risk-Taking Propensity Across Adolescence?*

SERVICE

2016 Reviewer for the May 2016 CRISS awards, Brock University

2015-16 Academic Integrity Officer, Psychology, Brock University

2013 Reviewer for the 2014 American Psychology-Law Society Conference

2012 Reviewer for the Society for Research in Child Development Student and Early Career
Council Dissertation Funding Award

2011–2013 Graduate Student Representative to the Executive Committee
APA Division 7, Developmental Psychology

Representing the interest of graduate students at meetings of the Executive Committee, furthering the division's goals, including boosting the division's visibility and fostering communication among developmental psychologists.

Graduate/Faculty Liaison, Psychology & Social Behavior Department, University of California, Irvine

Assisting graduate students in their efforts to prepare and submit grants, advising graduate students with regard to the department's operations, and relating student concerns to the faculty.

Student representative, Psychology and Law Search Committee, Psychology & Social Behavior Department, University of California, Irvine

Reviewing application materials, assisting with coordination of candidate visits, organizing meetings between candidates and graduate students.

Founding member of U.C. Irvine's "Stats 'n' Snacks;" a workshop series in which graduate students teach one another advanced statistical methods in order to enhance statistical training and teaching skills.

Graduate student mentor in departmental mentoring program

Providing advice, assistance and moral support to a junior student

2010–2016 Ad Hoc Reviewer for:
Perspectives on Psychological Science
Journal of Personality and Social Psychology
Child Development
Developmental Psychology
Journal of Youth and Adolescence
Journal of Adolescence
Youth Violence and Juvenile Justice
Journal of Experimental Child Psychology
Child and Adolescent Psychiatry and Mental Health
Clinical Psychology Review
Neuropsychologia

OTHER TRAINING

2012 Maryland Neuroimaging Center Summer Institute on Social Developmental Neuroscience
2007 American Psychological Association Advanced Institute on Longitudinal Structural Equation Modeling

PROFESSIONAL MEMBERSHIPS

American Psychological Association
Society for Research in Child Development
Society for Research on Adolescence
American Psychology-Law Society