

# DIANA R. SAMEK

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## CURRENT ACADEMIC APPOINTMENT

Assistant Professor  
Human Development and Family Studies Department  
College of Human Sciences  
Auburn University, Auburn, AL

2014-present

## PAST ACADEMIC APPOINTMENTS

Post-Doctoral Research Associate at the University of Minnesota  
Department of Psychology, Minnesota Center for Twin and Family Research,  
Minneapolis, MN

2012-2014

Adjunct Professor at St. Catherine University  
Department of Psychology, St. Paul, MN

2013-2014

## EDUCATION

Ph.D., University of Minnesota – Minneapolis – St. Paul, MN  
Major field: Family Social Science  
Supporting program: Psychology

2009-2012

M.A., University of Minnesota – Minneapolis – St. Paul, MN  
Major field: Family Social Science

2007-2009

B.A., University of Minnesota – Minneapolis – St. Paul, MN  
*Summa cum laude*  
Major field: Psychology

2002-2006

## RESEARCH INTERESTS

- Adolescent and young adult development
- Adoptive identity and adjustment
- Alcohol and substance use, misuse, disorder
- Externalizing behaviors and disorders
- Gene- and person-environment interplay
- Parenting, peer, sibling, romantic relationships
- Personality, individual differences, and behavior genetics
- Risk, protective, and resilience factors

## TEACHING INTERESTS

- Child, adolescent, adult development
- Development across the lifespan
- Developmental psychology and psychopathology
- Research methods and basic statistics

## PEER REVIEWED PUBLICATIONS

\*indicates graduate student author

### 2016

1. **Samek, D.R.**, Goodman, R. \*, Erath, S. McGue, M., & Iacono, W.G. (2016). Antisocial peer affiliation and externalizing disorders in the transition from adolescent to young adulthood: Selection versus socialization effects. *Developmental Psychology*, 52, 813-823. doi: 10.1037/dev0000109
2. **Samek, D.R.**, Wilson, S., McGue, M., & Iacono, W.G. (2016). Genetic and environmental influences on parent-child conflict and child depression through late adolescence. *Journal of Clinical Child and Adolescent Psychology*, online first publication, 1-16. doi: 10.1080/15374416.2016.1141357
3. **Samek, D.R.**, Hicks, B., Keyes, M.A., McGue, M., & Iacono, W.G. (2016). Antisocial peer affiliation and externalizing disorders: Evidence for gene x environment x development interaction. *Development and Psychopathology*, online first publication, 1-18. doi: 10.1017/S0954579416000109
4. Rauer, A.J., Pettit, G.S., **Samek, D.R.**, Lansford, J.E., Dodge, K.A., & Bates, J.E. (*in press*). A developmental perspective on adult alcohol use: Links between substance use in adolescence and later romantic relationship involvement. *Development and Psychopathology*.

### 2015

5. **Samek, D.R.**, Rueter, M.A., Keyes, M.A., McGue, M., & Iacono, W.G. (2015). Parent involvement, sibling companionship, and adolescent substance use: A longitudinal, genetically-informed design. *Journal of Family Psychology*, 29(4), 614-623. doi: 10.1037/fam0000097
6. Hamilton, E.R., **Samek, D.R.**, Keyes, M., Iacono, W.G., & McGue, M. (2015). Identity development in a transracial environment: Racial/ethnic minority adjustment in Minnesota. *Adoption Quarterly*, 18(3), 213-233. doi: 10.1080/10926755.2015.1013593
7. **Samek, D.R.**, Elkins, I.J., Keyes, M.A., Iacono, W.G., & McGue, M. (2015). High school sports involvement diminishes the association between childhood conduct disorder and adult antisocial behavior. *Journal of Adolescent Health*, 57(1), 107-112. doi: 10.1016/j.jadohealth.2015.03.009
8. **Samek, D.R.**, Hicks, B., Keyes, M., Bailey, J., Iacono, W.G., & McGue, M. (2015). Gene-environment interplay between parent-child relationship problems and externalizing disorders in adolescence and young adulthood. *Psychological Medicine*, 45, 333-344. doi: 10.1017/S0033291714001445 (*online first publication in 2014*)
9. **Samek, D.R.**, McGue, M., Keyes, M., & Iacono, W.G. (2015). Sibling facilitation mediates the association between older and younger sibling alcohol use in late adolescence. *Journal of Research on Adolescence*, 25(4), 638-651. doi: 10.1111/jora.12154 (*online first publication in 2014*)

## 2014

10. **Samek, D.R.**, & Hicks, B.M. (2014). Externalizing disorders and environmental risk: Mechanisms of gene-environment interplay and strategies for intervention. *Clinical Practice*, 11, 537-547. doi: 10.2217/cpr.14.47
11. **Samek, D.R.**, Keyes, M., Hicks, B., Bailey, J., McGue, M., & Iacono, W.G. (2014). General and substance-specific predictors of young adult nicotine and alcohol dependence in early adulthood: Genetic and Environmental Influences. *Journal of Studies on Alcohol and Drugs*, 75, 623-634.
12. Bailey, J., **Samek, D.R.**, Keyes, M., Hill, K.G., Hicks, B., McGue, M., Iacono, W.G., Epstein, M., Catalano, R.F., Haggerty, K.P., & Hawkins, J.D. (2014). General and substance-specific predictors of young adult nicotine dependence, alcohol use disorder, and problem behavior: Replication in two samples. *Drug and Alcohol Dependence*, 138, 161-168. doi: 10.1016/j.drugalcdep.2014.02.023
13. **Samek, D.R.**, Iacono, W.G., Keyes, M., Epstein, M., Bornovalova, M.A., & McGue, M. (2014). The developmental progression of age 14 behavioral disinhibition, early age of sexual initiation, and subsequent sexual risk-taking behavior. *Journal of Child Psychology and Psychiatry*, 55, 784-792. doi: 10.1111/jcpp.12176 (*online first publication in 2013*)

## 2013

14. **Samek, D.R.**, Koh, B., & Rueter, M.A. (2013). Overview of behavioral genetics research for family researchers. *Journal of Family Theory & Review*, 5, 214-233. doi: 10.1111/jftr.12013
15. **Samek, D.R.**, Keyes, M.A., Iacono, W.G., & McGue, M. (2013). Peer deviance, alcohol expectancies, and adolescent alcohol use: Explaining shared and nonshared environmental effects using an adoptive sibling pair design. *Behavior Genetics*, 43, 286-296. doi: 10.1007/s10519-013-9595-9
16. Wroble, G.M., Grotevant, H.D., **Samek, D.R.**, & Von Korff, L. (2013). Adoptees' curiosity and information seeking about birth parents in emerging adulthood: Context, motivation, and behavior. *International Journal of Behavioral Development*, 37, 441-450. doi: 10.1177/0165025413486420

## 2011

17. **Samek, D.R.**, & Rueter, M.A. (2011). Considerations of elder sibling closeness in predicting younger sibling substance use: Social learning versus social bonding explanations. *Journal of Family Psychology*, 25, 931 - 941. doi:10.1037/a0025857
18. **Samek, D.R.**, & Rueter, M.A. (2011). Associations between Family Communication Patterns, Sibling Closeness, and Adoptive Status. *Journal of Marriage and Family*, 73, 1015-1031. doi:10.1111/j.1741-3737.2011.00865.x

## 2010

19. Von Korff, L., Grotevant, H.D., Koh, B.D., & **Samek, D.R.** (2010). Adoptive mothers: Identity agents on the pathway to adoptive identity formation. *Identity: An International Journal of Theory and Research*, 10, 122-137. doi: 10.1080/15283481003711767

## PEER REVIEWED PRESENTATIONS

\*indicates graduate student author

### 2016

1. **Samek, D.R.**, Goodman, R.J.\*, Erath, S.A., McGue, M., Iacono, W.G. (2016, March). Antisocial peer affiliation and externalizing disorders from adolescence to young adulthood: Selection versus socialization. Poster presented at the National Society for Research on Adolescence 2016 Biennial Meeting, Baltimore, MD.
2. Goodman, R.J.\*, **Samek, D.R.**, Ward, S., Elkins, I., McGue, M., Iacono, W.G. (2016, March). Childhood predictors of adolescent-limited versus persistent clinical-level antisocial behavior in adolescence to young adulthood. Poster presented at the National Society for Research on Adolescence 2016 Biennial Meeting, Baltimore, MD.

### 2015

3. **Samek, D.R.**, Elkins, I. J., Keyes, M.A., Iacono, W.G., & McGue, M. (2015, March). High school sports involvement diminishes the association between childhood conduct disorder and adult antisocial behavior. Poster presented at the National Society for Research on Child Development 2015 Biennial Meeting, Philadelphia, PA.
4. Rauer, A., Pettit, G., **Samek, D.R.**, Lansford, J., Bates, J. Romance and drugs: Adolescent substance use as a gateway to later romantic relationships and why that might be a good thing. (2015, March). Paper presented at the National Society for Research on Child Development 2015 Biennial Meeting, Philadelphia, PA.
5. **Samek, D.R.**, Bailey, J., Hill, K.G., Keyes, M.A., Lee, S., Miller, M., Winters, K., Iacono, W.G., & McGue, M. (2015, May). A test-replicate approach to candidate gene research on addiction and externalizing disorders: A collaboration across four longitudinal studies. Paper presented at the Society of Research on Prevention 23<sup>rd</sup> Annual Conference, Washington, D.C.
6. Bailey, J.A., Hill, K.G., Epstein, M., **Samek, D.R.**, & McGue, M. (2015, May). Generalizability of gene-environment models by race/ethnicity. Paper presented at the Society of Research on Prevention 23<sup>rd</sup> Annual Conference, Washington, D.C.
7. **Samek, D.R.**, Hicks, B.M., McGue, M., & Iacono, W.G. (2015, June). A cross-lagged panel analysis of the associations between aggressive undercontrol and alcohol use disorder from adolescence to young adulthood. Paper presented at the Association for Research in Personality 4<sup>th</sup> Biennial Convention, St. Louis, MO.
8. **Samek, D.R.**, Hicks, B.M., Keyes, M.A., Iacono, W.G., & McGue, M. (2015, August). A developmental analysis of gene-environment interplay: Peers and externalizing disorders. Poster presented at the American Psychological Association (Division 7: Developmental Psychology), Toronto, Ontario, Canada.

9. **Samek, D.R.**, Rueter, M.A., Keyes, M.A., McGue, M., & Iacono, W.G. (2015, November). Parent involvement, sibling companionship, and adolescent substance use. Paper presented at the National Council on Family Relations 2015 Annual Conference, Vancouver, British Columbia (Canada).
10. Goodman, R.\*, **Samek, D.R.**, Gibson, J. (2015, November). Parent support, peer victimization, and adolescent academic engagement. Paper presented at the National Council on Family Relations 2015 Annual Conference, Vancouver, British Columbia (Canada).

#### 2014

11. Hamilton, E.R., **Samek, D.R.**, Keyes, M., & McGue, M. (2014, April). Identity development in a transracial environment: Racial/ethnic minority adjustment in Minnesota. Poster presented at the New World of Adoption: Helping Families Overcome Early Adversity Conference, University of Massachusetts, Amherst, MA.
12. Marceau, K., **Samek, D.R.**, Kirkpatrick, R., Keyes, M., Irons, D., Miller, M., Iacono, W.G., & McGue, M. (2014, June). Do genes related to cortisol contribute to externalizing and substance use? Poster presented at the Behavior Genetics Association 44<sup>th</sup> Annual Meeting, Charlottesville, Virginia.
13. **Samek, D.R.**, McGue, M., Keyes, M.A., & Iacono, W.G. (2014, November). Sibling facilitation of alcohol use in late adolescence. Paper presented at the National Council on Family Relations 2014 Annual Conference, Baltimore, MD.

#### 2013

14. **Samek, D.R.**, Iacono, W. G, Keyes, M., Epstein, M., Hill, K.G., & McGue, M. (2013, April). General and specific predictors of risky sexual behavior in early adulthood. Paper presented at the Society for Research on Child Development 2013 Biennial Meeting, Seattle, WA.
15. **Samek, D.R.**, Hicks, B.M., Keyes, M., Bailey, J., McGue, M. & Iacono, W.G. (2013, June). Gene-environment interplay between parent-child relationship quality and externalizing disorders in adolescence and young adulthood. Paper presented at the Behavior Genetics Association 43<sup>rd</sup> Annual Meeting, Marseilles, France.

#### 2012

16. **Samek, D.R.**, Rueter, M.A., Keyes, M.A., Iacono, W.G., & McGue, M. (2012, June). Family involvement and adolescent alcohol use: Potential sources of shared environmental influence. Poster presented at the Behavior Genetics Association 42<sup>nd</sup> Annual Meeting, Edinburgh, UK.

#### 2011

17. McGue, M., Miller, M. B., Basu, S., Eskin, E., Hicks, B. M., Irons, D. E., Keyes, M.A., Legrand, L.S, Malone, S. M., Oetting, W. S., **Samek, D.**, Schork, N. J., Sul, J. H., Vrieze, S. & Iacono, W.G.. (2011, March). A Genome-Wide Association Study (GWAS) of Behavioral Disinhibition. Paper presented at the Behavior Genetics Association's 41<sup>st</sup> Annual Meeting, New Port, RI.

18. Miller, M. B., McGue, M., Basu, S., Li, X., Keyes, M.A., Hicks, B.M., **Samek, D.**, Malone, S., & Iacono, W.G. (2011, March). GEDI GxE GWAS: Methods for Detecting Genotype-by-Environment Effects in Full Genome Scans. Paper presented at the Behavior Genetics Association's 41<sup>st</sup> Annual Meeting, New Port, RI.
19. Prom-Wormley, E., Eaves, L. J., Neale, M. C., Kendler, K. S., Silberg, J. L., Dick, D., Miles, D., Murrelle, E. L., Rhee, S., Corley, R. Hewitt, J., Young, S., McGue, M., Iacono, B. Legrand, L., **Samek, D.**, Thomis, M., Beunen, G. P., Boomsma, D., Bartels, M., Vink, J., Kaprio, J., Rose, R. Lichtenstein, P., White, V., Martin, N. G., Maes, H. M. (2011, April). Addressing gender differences in the genetic and environmental contributions to smoking during adolescence. Paper presented at the Society of Behavioral Medicine Annual Meeting, New Orleans, LA.

## 2010

20. **Samek, D.R.**, & Rueter, M.A. (2010, November). Closeness and modeling: A theoretical model of parallel processes. Paper presented at the Annual meeting of the National Council on Family Relations 2010 Annual Conference, Theory Construction and Research Methodology Workshop, Minneapolis, MN.

## 2009

21. **Samek, D.R.**, & Rueter, M.A. (2009, April). The association between sibling closeness perceptions, observed family communication patterns, and adoptive status. Poster presented at the 2009 Biennial meeting of the Society for Research on Child Development, Denver, CO.

## RESEARCH SUPPORT & GRANTSMANSHIP

### Current Funding

**Samek, D.R.** (Principal Investigator). *College Experiences Leading to Alcohol and Cannabis Use Disorder Onset, Persistence, and Desistence: A Longitudinal Study*. Alabama Agricultural Experiment Station, Young Investigator Research Support Award, 2015-2017 (\$50,000 direct costs).

**Awarded and funds distributed October, 2015.**

The purpose of this two-wave longitudinal study is to evaluate complex processes of individual-social context interplay as it relates to substance use disorder onset and course over the first two years of college. A secondary purpose is to identify whether findings vary for those from rural versus urban regions of origin.

A survey assessment is used to collect data at two time points (12 months apart), with assessments of demographics, personality, substance use and substance use disorder, parent/family support, peer relationships, romantic relationship experiences, depression, and delinquency. Romantic partners will be asked to complete the survey to allow for complex analyses of romantic partner dynamics as they relate to substance use disorder onset and course.

### Pending

**Samek, D.R.** (Principal Investigator; Consultants: Hicks, B., McGue, M., & Iacono, W.G.).  
*Persistence of Alcohol Use Disorders: Person and Environment Effects*. NIH-NIAAA  
Small Research Grant Program (R03), 2016-2018 (\$100,000 direct costs).  
\*Original impact score = 43  
\***Revised impact score = 20, Just-In-Time materials submitted**

A secondary data analysis of the Minnesota Twin Family Study ( $N = 2,769$ ) is proposed to evaluate for complex processes of individual-social context interplay as it relates to substance use disorder onset and course from adolescence through late young adulthood. A 6-wave data set will be used, with comprehensive assessments of personality, substance use, and social context at each time point.

### Completed

National Institute of Mental Health Post-Doctoral Fellowship, 2012-2013  
\$39,264 stipend + \$2,000 travel (\$41,264 total)

T32-funded grant MH017069: Neurobehavioral Aspects of Personality and Psychopathology; Principal Investigator: Dr. Monica Luciana  
Department of Psychology, University of Minnesota

Mary Ellen McFarland Dissertation Award Recipient, 2011-2012  
~\$12,089 stipend + tuition waiver  
Department of Family Social Science, University of Minnesota

Waller Fellowships, 2009-2011  
Awarded for aggressive summer research  
\$5,000 each year (\$15,000 total)  
Department of Family Social Science, University of Minnesota

## TEACHING EXPERIENCE

### **Assistant Professor**

Department of Human Development and Family Studies, Auburn University, Auburn, AL  
2014-present

### **Graduate Seminars** taught:

- *HDFS 7010: Child and Adolescent Development in Context* (3 credits)
  - Spring, 2016 (4 students), average teaching evaluation score: 5.6 (scale 1 to 6, where 1 indicates low quality teaching and 6 indicates high quality teaching)
    - Developed syllabus and course materials on the topic of child and adolescent development, facilitated graduate student learning (active reading, discussion, critical review of theory, methods, key research findings)
    - Students evaluated on weekly critical essays, a semester-long literature review paper, and quality participation/discussion

### **Undergraduate courses** taught:

- *HDFS 3030: Adolescent Development in the Family* (3 credits)
  - Fall, 2015 (48 students), average teaching evaluation score: 5.8 (scale 1 to 6, where 1 indicates low quality teaching and 6 indicates high quality teaching)

- Spring, 2015 (41 students), average teaching evaluation score: 5.1 (scale 1 to 6, where 1 indicates low quality teaching and 6 indicates high quality teaching)
  - Developed syllabus and course materials on the topic of adolescent and young adult development, facilitated class instruction (e.g., lecture, active learning assignments, discussions)
  - Students evaluated on unit quizzes (multiple choice, short answer essay), in-class assignments, reading assignments, and a final research paper
- *HDFS 4980: Undergraduate Research and Study*
  - Spring, 2016 (2 students)
  - Fall, 2015 (2 students)
    - Supervised students in my research lab (College Experiences Study)
    - Students evaluated on weekly task completion (participation location, recruitment, compensation reports), attendance to lab meetings, journal entries, and summarizing and leading research article discussions

### **Adjunct Professor**

Department of Psychology, St. Catherine University, St. Paul, MN  
2013-2014

#### **Undergraduate courses taught:**

- *PSYC 2025: Lifespan Developmental Psychology* (4 credits)
  - Fall 2013 (28 students), average teaching evaluation score: 4.5 (scale 1 to 5, where 1 indicates low quality teaching and 5 indicates high quality teaching)
    - Developed syllabus and course materials on the topic of developmental psychology, facilitated class instruction (lecture, active learning assignments).
    - Students evaluated on class discussion, exams (multiple choice, short answer, essay), a semester long paper assignment, and presentations.
- *PSYC 1001: General Psychology* (4 credits)
  - Spring 2014 (22 students), average teaching evaluation score: 4.5 (scale 1 to 5, where 1 indicates low quality teaching and 5 indicates high quality teaching)
    - Developed syllabus and course materials on into to contemporary scientific psychology, facilitated class instruction (lecture, active learning assignments).
    - Students evaluated on in-class assignments, participation, unit quizzes, and lab reports.

Department of Family Social Science, University of Minnesota, Minneapolis-St. Paul, MN  
2011-2011

#### **Undergraduate courses taught:**

- *FSoS 4150: Sibling Relationships* (1 credit)
  - Summer 2011 (23 students), average teaching evaluation score: 5.3 (scale 1 to 5, where 1 indicates low quality teaching and 6 indicates high quality teaching)
    - Developed and taught intensive 2-day course covering major themes relevant to understanding sibling relationship dynamics throughout the life-course. A variety of topics covered, e.g., mental health, cultural variations, siblings of individuals with disabilities, genetics, divorce, substance use.



- Students evaluated on class discussion, giving and evaluating group presentations, completing a take-home, essay-based exam.

## ACADEMIC HONORS & AWARDS

- Awarded the Best New Professional Paper by the Families and Health Section of the *National Council of Family Relations* (paper title: Parent involvement, sibling companionship, and adolescent substance use: A longitudinal, genetically-informed design) (\$200) 2015
- Selected to participate in the competitive Fragile Families Summer Data Workshop 2015 (Columbia University) (travel and lodging paid, ~\$2,000) 2015
- Fellowship recipient of National Institutes of Mental Health Neurobehavioral Aspects of Personality and Psychopathology Training Grant (MH017069) (\$39,264 stipend + \$2,000 travel; \$41,264 total) 2012-13
- Recipient of departmental dissertation funding (McFarland Award) (\$12,089 stipend + tuition waiver; ~\$14,000 total) 2011-12
- Recipient of three departmental fellowships (Waller Awards) (\$5,000 each year; \$15,000 total) 2009-11
- Outstanding Undergraduate Teaching Assistant Award, University of Minnesota, Department of Sociology 2006

## PROFFESIONAL MEMBERSHIPS

- American Psychological Association, Division 7: Developmental Psychology
- Behavior Genetics Association
- National Council on Family Relations
- Society for Prevention Research
- Society for Research on Adolescence
- Society for Research on Child and Adolescent Development

## AD HOC REVIEWER

- Addictive Behaviors
- Addiction Research & Theory
- Child Development
- Communication Research
- Developmental Psychology
- Development and Psychopathology
- Journal of the American Medical Association, Psychiatry
- Journal of Child and Adolescent Psychopharmacology
- Journal of Child Psychology and Psychiatry
- Journal of Family Theory & Review
- Journal of Marriage and Family
- Journal of Research on Adolescence
- Personality and Individual Differences

## OTHER PROFESSIONAL SERVICE

- Discussant, Society for Research on Adolescence, 2016
- Abstract Reviewer, National Council on Family Relations, 2014, 2015
- Abstract Reviewer, Society for Research on Adolescence, 2015
- Abstract Reviewer, Society for Research on Child and Adolescent Development, 2014