

MATTHEW R. LEE, PH.D.

Assistant Professor
Center of Alcohol and Substance Use Studies
Graduate School of Applied and Professional Psychology
Rutgers, the State University of New Jersey
<https://alcoholstudies.rutgers.edu/people/leadership/matthew-lee/>

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EDUCATION

- 2009-2013** Ph.D. in Psychology, Arizona State University, Tempe, AZ
2006-2009 M.A. in Psychology, Arizona State University, Tempe, AZ
2001-2006 B.Sc. in Psychology, SUNY College at Buffalo, Buffalo, NY

EMPLOYMENT/TRAINING

- 2018-** Assistant Professor, Center of Alcohol Studies, Graduate School of Applied and Professional Psychology, Rutgers, the State University of New Jersey
- 2016-2018** Research Assistant Professor, Department of Psychological Sciences, University of Missouri
- Supported by NIAAA-funded K99/R00 “Pathway to Independence” award (K99-AA024236)
 - Mentor: Kenneth J. Sher
- 2015-2016** Postdoctoral Preparing Future Faculty (PFF) Trainee, Department of Psychological Sciences, University of Missouri
- Supported by PFF fellowship awarded by the University’s Office of Research and Graduate Studies
 - Mentored research, teaching and professional-development training
 - Mentors: Kenneth J. Sher and Dennis K. Miller
- 2013-2015** Postdoctoral Alcohol Research Trainee, Department of Psychological Sciences, University of Missouri
- Supported by NIAAA-funded alcohol research training program (T32-AA013526)
 - Training in young-adult developmental alcohol research
 - Mentor: Kenneth J. Sher
- 2009-2010** Predoctoral Research Trainee, Psychology Department, Arizona State University, Tempe, AZ
- Supported by NIMH-funded research training program (T32-MH018387)
 - Training in young-adult and adolescent developmental alcohol research
 - Mentor: Laurie Chassin
- 2006-2013** Predoctoral Research Assistant, Psychology Department, Arizona State University, Tempe, AZ
- Training in young-adult and adolescent developmental psychopathology research while working for an NIAAA-funded multigenerational, longitudinal study of familial alcohol use disorder (R01-AA016213)
 - Mentor: Laurie Chassin

SUBSTANTIVE AREAS OF EXPERTISE

- Developmental psychopathology
- Adolescent to young-adult development
- Lifespan development and aging
- Desistance from problem drinking and alcohol use disorder
- Marriage and parenthood as desistance mechanisms
- Alcohol use disorder diagnosis and epidemiology

METHODOLOGICAL AREAS OF EXPERTISE

- Longitudinal data analysis (e.g., SEM- and MLM-based growth modeling, cross-lag panel modeling)
- Latent-class and latent-transition analysis
- Mediation analysis
- Integrative data analysis
- Monte Carlo simulation
- Software: SPSS, SAS, Mplus, R

AWARDS AND HONORS

- 2016-2021 K99/R00 Pathway to Independence Award (K99-AA024236), National Institute of Alcohol Abuse and Alcoholism
- 2017-2019 National Institutes of Health Clinical Loan Repayment Program (LRP) award, National Institute of Alcohol Abuse and Alcoholism
- 2017-2018 Faculty Scholars Program, Office of Academic Affairs, Research and Economic Development, University of Missouri
- 2015-2016 Postdoctoral Preparing Future Faculty Fellowship, Awarded by the Office of Research and Graduate Studies, University of Missouri
- 2014 Junior Investigator Award, Research Society on Alcoholism
- 2008 Predoctoral Travel Award, Graduate College, Arizona State University

PROFESSIONAL AFFILIATIONS

Research Society on Alcoholism, Society for Research on Adolescence, Gerontological Society of America, American Society on Aging

EDITORIAL SERVICE

Ad hoc reviewer for scientific journals

Addiction, Alcoholism: Clinical and Experimental Research, Asian Journal of Social Psychology, Journal of Adolescent Health, Journal of Clinical Child and Adolescent Psychology, Journal of Studies on Alcohol and Drugs, Journal of Substance Abuse Treatment, Journal of Women & Aging, Nicotine and Tobacco Research, Prevention Science, Psychological Medicine, Psychology of Addictive Behaviors, Substance Use and Misuse

Ad hoc reviewer for professional conferences

Society for Research on Adolescence

RESEARCH GRANTS:

Current:

- The Developmental/Pilot Projects Program of the Rutgers Center of Alcohol & Substance Use Studies [CAS]: Pilot Research Projects in Traumatic Stress and Addiction; Lee (PI), Chung (PI), Yeung (PI), & Barta (PI); *Advancing Trauma-Informed Integrative Models of Adolescent and Adult Problem-Drinking* 05/2020- ; \$20,000; Description: This research aims to establish novel connections among early trauma.
- Brain Health Institute/Center for Computational Cognitive Neuro-Psychiatry (CCNP) Pilot Grants Program; Konova (PI), Lee (PI); *Testing latent decision processes associated with distal versus proximal risk for alcohol use*; 11/2019- ; \$19,975; Description: The PI (Konova) previously linked two behavioral markers of risky decision-making, “known-risk tolerance” and “ambiguity tolerance,” to addiction risk. This project will distinguish etiologic risk from AUD consequences and thereby assess their unique associations with known-risk and ambiguity tolerance.
- R00AA024236; Lee (PI); *Health-Related Desistance from Problem Drinking in Midlife and Older Adulthood*; 8/2018- ; \$745,550; Description: This work employs lifespan-developmental analyses to investigate bidirectional associations between health and heavy/problem drinking, in part to investigate potential health-related mechanisms of problem-drinking desistance that are predicted to increase in importance at later ages of the adult lifespan.

Completed:

- K99AA024236; Lee (PI); *Desistance from Pathological Drinking Across the Lifespan: A Developmental Analysis*; 5/2016-4/2018; \$208,397;
- NIH Clinical Research Student Loan Repayment Award; Lee (PI); *Desistance from Alcohol Use Disorder Across the Lifespan*; 2017-2019; \$35,000 (new/updated application for Change of Institution submitted 10/2019, approved 1/2019)

PUBLICATIONS

*underlined names indicate student coauthors contributing under my supervision

- Roubinov, D. S., Boyce, W. T., **Lee, M. R.**, & Bush, N. R. (2020). Evidence for discrete profiles of children’s physiological activity across three neurobiological system and their transitions over time. *Developmental science*, e12989.
- Yeung, E. W., **Lee, M. R.**, McDowell, Y. E., Sher, K. J., & Gizer, I. R. (2020). The association between alcohol consumption and pain interference in a nationally representative sample: The moderating roles of gender and alcohol use disorder symptomatology. *Alcoholism: Clinical and Experimental Research*, 44(3), 645-659. PMID: 31957038 PMCID: [PMC7069800](https://pubmed.ncbi.nlm.nih.gov/PMC7069800/) [Available on 2021-03-01] DOI: [10.1111/acer.14282](https://doi.org/10.1111/acer.14282)

- Lee, M. R., McDowell, Y. E., & Sher, K. J.** (2019). Progression of substance use to substance use disorder. In Z. Sloboda, H. Petras, R. Hingson, & E. Robertson (Eds.), *Prevention of Substance Use* (pp. 75-97). Springer, Cham. Retrieved from https://link-springer-com.proxy.libraries.rutgers.edu/chapter/10.1007%2F978-3-030-00627-3_5
- Lee, M. R., Boness, C. L., McDowell, Y. E., Vergés, A., Steinley, D. L., & Sher, K. J.** (2018). Desistance and Severity of Alcohol Use Disorder: A Lifespan-Developmental Investigation. *Clinical Psychological Science*, 6(1), 90-105. Retrieved from <http://journals.sagepub.com/doi/10.1177/2167702617736852>
- Lee, M. R. & Sher, K. J.** (2018). "Maturing out" of binge and problem drinking. *Alcohol Research: Current Reviews*, 39(1), 31. Retrieved from <https://www.arcr.niaaa.nih.gov/arcr391/article05.htm>
- Sher, K. J., Littlefield, A. K., & **Lee, M. R.** (2017). Personality Processes Related to the Development and Resolution of Alcohol Use Disorders. In H. E. Fitzgerald & L. I. Pottler (Eds.), *Alcohol Use Disorders: A Developmental Science Approach to Etiology*. Oxford University Press.
- Chassin, L., Haller, M., **Lee, M. R.**, Handley, E., Bountress, K., & Beltran, I. (2016). Familial Factors Influencing Offspring Substance Use and Dependence. In K. J. Sher (Ed.), *Oxford Handbook of Substance Use and Substance Use Disorders* (pp. 449-482). New York, NY: Oxford University Press.
- Wang, F., Chassin, L., **Lee, M. R.**, Haller, M., & King, K. M. (2016). Roles of Response Inhibition and Gene-Environment Interplay in Pathways to Adolescents' Externalizing Problems. *Journal of Research on Adolescence*, 27(2), 258-277.
- Wang, F., Pandika, D., Chassin, L., **Lee, M. R.**, & King, K. M. (2016). Testing the Relations Among Family Disorganization, Delay Discounting, and Adolescent Alcohol Use: A Genetically-Informed Study. *Alcoholism: Clinical and Experimental Research*, 40(4), 846-856.
- Lee, M. R., Ellingson, J. M., & Sher, K. J.** (2015). Integrating Social-Contextual and Intrapersonal Mechanisms of "Maturing Out": Joint Influences of Familial Role Transitions and Personality Maturation on Problem Drinking Reductions. *Alcoholism: Clinical and Experimental Research*, 39(9), 1775-1787.
- Lee, M. R., Chassin, L., & MacKinnon, D.** (2015). Role Transitions and Young Adult Maturing Out of Heavy Drinking: Evidence for Larger Effects of Marriage among More Severe Pre-Marriage Problem Drinkers. *Alcoholism: Clinical and Experimental Research*, 39(6), 1064-1074.
- Sher, K. J. & **Lee, M. R.** (2015). Alcohol use disorders. In H. Friedman (Ed.), *Encyclopedia of Mental Health, 2nd Edition* (pp. 40-46). Oxford: Elsevier.
- Lee, M. R., Bartholow, B. D., McCarthy, D. M., Pedersen, S. L., & Sher, K. J.** (2014). Two Alternative Approaches to Conventional Person-Mean Imputation Scoring of the Self-Rating of the Effects of Alcohol Scale (SRE). *Psychology of Addictive Behaviors*, 29(1), 231-236.
- Lee, M. R., Chassin, L., & Villalta, I. K.** (2013). Maturing out of alcohol involvement: Transitions in latent drinking statuses from late adolescence to adulthood. *Development and psychopathology*, 25(4), 1137-1153.
- Chassin, L., Presson, C., Il-Cho, Y., **Lee, M.**, & Macy, J. (2013). Developmental Factors in Addiction: Methodological Considerations. In J. MacKillop & H. De Wit (Eds.), *The Wiley-Blackwell Handbook of Addiction Psychopharmacology* (pp.5-26). Malden, MA, US: John Wiley & Sons.
- Chassin, L., **Lee, M. R.**, Cho, Y. I., Wang, F., Agrawal, A., Sher, K. J., & Lynskey, M. T. (2012). Testing multiple levels of influence in the intergenerational transmission of alcohol disorders from a developmental perspective: The example of alcohol use-promoting peers and μ -opioid receptor M1 variation. *Development and Psychopathology*, 24(3), 953-967.
- Lee, M. R., Chassin, L., & MacKinnon, D.** (2010). The effect of marriage on young adult heavy drinking and its mediators: Results from two methods of adjusting for selection into marriage. *Psychology of Addictive Behaviors*, 24, 712-718.
- Chassin, L., Beltran, I., **Lee, M. R.**, Haller, M., & Villalta, I. (2009). Vulnerability to substance use disorders in childhood and adolescence. In R. Ingram and J. Price (Eds.), *Vulnerability to Psychopathology over the lifespan, 2nd Edition* (pp. 113-140). New York, NY, US: The Guilford Press.
- Colder, C., Chassin, L., **Lee, M. R.**, Villalta, I. (2009). Developmental perspectives: Affect and adolescent substance use. In J. D. Kassel (Ed.), *Substance abuse and emotion*. (pp. 109-135). Washington, DC, US: American Psychological Association.

Research papers under review:

- Lee, M. R., Yeung, E. W., Littlefield, A. K., Barta, W. D., Chassin, L., & Sher, K. J.** (under review). A Lifespan-Developmental Investigation of Marriage and Problem-Drinking Desistance: Young-Adult Specificity of the Marriage Effect in Two High-Risk Samples.
- MacLean, M. G., Daws, R., **Lee, M. R.** (under review). College Drinking and Identification with Peer Crowds.

CONFERENCE PRESENTATIONS

*underlined names indicate student coauthors contributing under my supervision

Symposia presentations:

- Lee, M. R.,** Yeung, E. W., Chassin, L., & Sher, K. J. (2017, June). *A Lifespan-Developmental Investigation of Marriage and Problem-Drinking Desistance: Evidence for Young-Adult Specificity of the Marriage Effect and its Mediators*. Presented at the 13th Annual Satellite Session for Research on Mechanisms of Behavior Change, 40th Annual Scientific Meeting for the Research Society on Alcoholism, Denver, CO.
- Lee, M. R.,** Chassin, L. & MacKinnon, D. (2014, March). *Young Adult Maturing Out of Drinking: Moderation of Marriage Effects by Emerging Adult Levels of Drinking and Drinking Problems*. Presented at the symposium Advancing Research on Adolescent Health via Innovative Studies of Vulnerable Populations, 15th Biennial Meeting of the Society for Research on Adolescence, Austin, TX.
- Lee, M. R.,** Chassin, L., & Villalta, I. K. (2011, June). *Maturing out of Alcohol Involvement: Transitions in Latent Drinking Statuses from Emerging adulthood to Adulthood*. Presented at the symposium Forwarding the Developmental Psychopathology Approach to Alcohol Use: Current and Future Directions in Research Design, 34th Annual Scientific Meeting for the Research Society on Alcoholism, Atlanta, GA.

Selected poster presentations:

- Lee, M. R. & Sher, K. J.** (June 2017). Problem-drinking desistance across the adult lifespan: Young-adult specificity of familial-role effects on AUD desistance. Presented at the Research Society on Alcoholism conference, Denver, CO.
- Lee, M. R., Boness, C. L., McDowall, Y. E., Vergés, A., Steinley, D. L., & Sher, K. J.** (June 2016). Developmental Variability in Problem-Drinking Desistance: Is Young Adulthood a Unique Period for Desistance from Severe Drinking Alcohol Use Disorder? Presented at the Research Society on Alcoholism conference, New Orleans, LA.
- Lee, M. R., Ellingson, J. M., & Sher, K. J.** (June 2015). Integrating contextual and intrapersonal “maturing out” mechanisms: How do familial roles and personality jointly reduce problem drinking? Presented at the Research Society on Alcoholism conference, San Antonio, TX.
- Lee, M. R. & Sher, K. J.** (March 2015). Integrating contextual and intrapersonal “maturing out” mechanisms: How do familial roles and personality jointly reduce problem drinking? Presented at the 13th Guze Symposium on Alcoholism: Alcoholism and the Family, Washington University Medical Center, St. Louis, MO.
- Lee, M. R., Bartholow, B. D., McCarthy, D. M., Pedersen, S., & Sher, K. J.** (June 2014). Two Alternative Approaches to Conventional Person-Mean Imputation Scoring of the Self-Rating of the Effects of Alcohol Scale (SRE). Presented at the Research Society on conference, Bellevue, WA.

TEACHING EXPERIENCE

Department of Applied Psychology, Graduate School of Applied and Professional Psychology, Center of Alcohol and Substance Use Studies, Rutgers University, New Brunswick, NJ

- Research Methods and Statistics
 - Spring 2019
 - Spring 2020
- Addictive Behaviors
 - Fall 2019

Department of Psychological Sciences, University of Missouri, Columbia, MO

- Taught four courses over two semesters as part of a Preparing Future Faculty Postdoctoral Fellowship:
- Mentor: Dennis K. Miller, Ph.D.
- 144 total hours of classroom instruction
 - Fall 2015:
 - PSYCH-3830: Health Psychology (54 students)
 - PSYCH-2220: Psychology of Addictive Behaviors (41 students)
 - Spring 2016:
 - PSYCH-3010: Research Methods (34 students)
 - PSYCH-2220: Psychology of Addictive Behaviors (125 students)

Department of Psychology, Arizona State University, Tempe, AZ

- PSY-290: Research Methods Lab Instructor, Spring 2011
 - Supervisor: Heather Cate
 - 18 hours of classroom instruction (25 students)
 - Delivered course material and supervised student research projects
- PSY-230: Introductory Statistics
 - Mentor: Stephen West, Ph.D.
 - 36 hours of classroom instruction (20 students)

SELECTED GUEST LECTURES AND PRESENTATIONS

Rutgers University, New Brunswick, NJ

- Research Talk: 02/2020: Asian Pacific American Medical Student Association, *Patterns and Predictors of Problem-Drinking Change Across the Lifespan*
- Guest Lecture: 11/2019: Introduction to Clinical and School Psychology (Instructor: Karen Riggs-Skean), *Developmental Research on Problem Drinking Across the Lifespan*
- Guest Lecture: 10/2019: Health Psychology (Instructor: Kristen Riley), *Alcohol and Problem Drinking*

Department of Psychological Sciences, University of Missouri, Columbia, MO

- Research Talk: 9/2019: Kenneth Sher Lab, *Planning a Data-Collection Project on Health and Problem Drinking in a Pre-Existing Sample of Midlife and Older Adults (part of a consultation trip to University of Missouri to meet with R00 grant collaborators)*

Rutgers University, New Brunswick, NJ

- Guest Lecture: 11/2018: Introduction to Clinical and School Psychology (830:300:01; Instructor: Karen Riggs-Skean), *Developmental Research on Problem Drinking Across the Lifespan*
- Research Talk: 11/2018: Emerging Addictions Science Seminar, Center of Alcohol and Substance Use Studies, *Problem-Drinking Recovery across the Lifespan, Part II: Planning a Data-Collection Project on Health and Problem Drinking in a Pre-Existing Sample of Midlife and Older Adults*

Department of Psychology, Arizona State University, Tempe, AZ

- Research Talk: 11/2018: Laurie Chassin Lab, *Planning a Data-Collection Project on Health and Problem Drinking in a Pre-Existing Sample of Midlife and Older Adults (part of a consultation trip to Arizona State University to meet with R00 grant collaborators)*

Rutgers University, New Brunswick, NJ

- Research Talk: 10/2018: Emerging Addictions Science Seminar, Center of Alcohol and Substance Use Studies, *Problem-Drinking Recovery Across the Lifespan*
- Research Talk: 10/2018: Postdoc Journal Club, Center of Alcohol and Substance Use Studies, *“Maturing Out” of Binge and Problem Drinking*

Psychology Department, SUNY College at Buffalo, Buffalo, NY

- Research Talk: *Reductions in problem-drinking across the adult lifespan*, Invited Speaker Series, 11/2017
- Guest Lecture: *Research careers in psychology*, Undergraduate Honors Seminar, 11/2017

Department of Human Development and Family Studies, University of Missouri, Columbia, MO

- Research Talk: *Desistance from problem drinking across the adult lifespan*, Brown Bag Lecture Series, 10/2017

Department of Psychological Sciences, University of Missouri, Columbia, MO

- Research Talk: *Reductions in problem-drinking across the adult lifespan*, Alcohol Research Seminar, 10/2017
- Research Talk: *Desistance from alcohol use disorder across the lifespan*, Developmental Area Research Seminar, 9/2017
- Research Talk: *Desistance from alcohol use disorder across the lifespan*, Social Area Research Seminar, 9/2017
- Undergraduate Training Seminar: *Careers in alcohol research*, MU Alcohol Research Training Summer School, 6/2017
- Research Talk: *Age differences in marriage driven problem-drinking reduction*, Alcohol Research Seminar, 5/2017
- Guest Lecture: *Professional development, PSYCH-8910: Responsible Conduct of Research*, 12/2016
- Research Talk: *Desistance from alcohol use disorder across the lifespan*, Alcohol Research Seminar, 9/2016
- Undergraduate Training Seminar: *Careers in alcohol research*, MU Alcohol Research Training Summer School, 6/2016
- Undergraduate Training Seminar: *Alcohol across the lifespan*, MU Alcohol Research Training Summer School, 6/2016
- Research Talk: *Age differences in patterns of problem drinking desistance*, Alcohol Research Seminar, 3/2015
- Research Talk: *Family-role and personality effects on problem-drinking reductions*, Alcohol Research Seminar, 10/2014
- Research Talk: *Alternative scoring of the Self-Rating of the Effects of Alcohol Scale*, Alcohol Research Seminar, 3/2014
- Research Talk: *Young-adult maturing out of problem drinking*, Alcohol Research Seminar, 11/2013
- Undergraduate Training Seminar: *Young-adult problem drinking*, MU Alcohol Research Training Summer School, 7/2013

PROFESSIONAL DEVELOPMENT TRAINING

Faculty Scholars Program, University of Missouri, 2017-2018

- A year-long faculty development program designed to facilitate the success of new faculty at the University of Missouri
 - Monthly on-campus workshops
 - Three systemwide (i.e., across four University of Missouri campuses) training retreats
 - 1. Building Your Academic Portfolio (September 25-26, 2017)
 - 2. Beyond Content & Expertise (February 15-16, 2018)
 - 3. Course Design and Technology (April 16-17, 2018)

Postdoctoral Preparing Future Faculty Fellowship, University of Missouri, Columbia, MO, 2015-2016

- A postdoctoral fellowship designed to prepare fellows for a successful transition to a faculty role
 - Mentored teaching (see Teaching Experience)
 - Attended Preparing Future Faculty course, a year-long seminar designed to facilitate successful transitions to faculty positions by providing insights into teaching, research and service in higher education
 - Completed two-week online workshop “Designing Courses for Significant Learning” (<https://optimizelearning.org/>)

DEPARTMENTAL SERVICE ACTIVITIES

Department of Psychological Sciences, University of Missouri

- Curriculum Committee, 2015-2016
- Undergraduate MU Alcohol Research Training Summer School, 2013, 2014, 2016, 2017
- Coordinator for Alcohol Studies Research Seminar, 2013-2014

PUBLIC OUTREACH

- Interview for NBC affiliate KOMU 8 (<http://www.komu.com/news/university-study-claims-marriage-reduces-heavy-alcohol-consumption/>)

CLINICAL TRAINING EXPERIENCES

Neuropsychology Placement, Neuropsychological Assessment Services, Phoenix, AZ, July 2010-October 2011

- Supervising Psychologist: Susan Borgaro, Ph.D., ABPP
- Training and experience in neuropsychological testing and test-result interpretation

Resident Therapist Placement, Clinical Psychology Center, Arizona State University, August 2009-June 2010

- Supervising Psychologist: John Barton, Ph.D., ABPP
- Training and experience in both psychological assessment and therapy

Therapy Placement, EMPACT-Suicide Prevention Center, Tempe, Arizona, August 2008-June 2009

- Supervisors: Mark Treegoob, Ph.D. and Nancy Groppenbacher, LMFT
- Therapy with adolescents, families, adults, and couples
- Predominantly a low-SES population receiving government-assisted services

Therapy Practicum, Clinical Psychology Center, Arizona State University

- Supervising Psychologist: Manuel Barrera, Ph.D., August 2007-July 2008
- Didactic seminars, training, and experience in adolescent and adult therapy