#### UNIVERSITY OF COLORADO SCHOOL OF MEDICINE

## Drew E. Winters, PhD.

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## **Biographical sketch**

Drew E. Winters, PhD. is a post-doctoral fellow at the University of Colorado Anschutz Medical Campus In the department of Psychiatry under the Developmental Psychobiology and Behavior T32 program. His research focuses on brain and behavior mechanisms underlying neurocognitive and socio-affective processes with an emphasis on adolescents with callous-unemotional traits. In this vein, this work aims to identify replicable neural mechanisms that may improve development and testing of interventions for youth with callous-unemotional traits.

#### E

Education					
University of Colorado Anschutz Medical Campus, Aurora, CO.			Current		
- Post-Doctoral Fellow: Developmental Psychobiology					
Research Group (DPRG)					
<ul> <li>Primary mentor: Dr. Joseph S</li> </ul>					
	Indiana University, Indianapolis, IN. – Ph.D.		April 2020		
Indiana University, Indianapolis, IN. – MSW		May 2016			
Purdue University, Fort Wayne, IN. – B.S.		May 2013			
Certifications					
Machine Learning Using Scikit-Lear	rn in Python	– Inira	May 2022		
Data Scientist in Python - DataCamp	Data Scientist in Python - DataCamp		Nov 2021		
Computational Neuroscience – Neur	Computational Neuroscience – Neuromatch Academy		July 2021		
Data Scientist in R – DataCamp			April 2020		
Multilevel Modeling II Advanced To		Л	Oct 2020		
	Network Analysis II Advanced Topics – EITM		Oct 2020		
Structural Equation Modeling with Latent Variables – EITM		Oct 2018			
Academic appointments					
University of Colorado	Statistician	1	2021-2022		
University of Colorado	Post-Doctoral Fellow		2020-Present		
Indiana University	Adjunct Professor		2017-2020		
University of Michigan	Teaching Assistant		2019 & 2020		
Indiana University SOM	Research Analyst		2018-2020		
Indiana University SOM	Research Assistant		2016-2020		
Indiana University	Research A	Assistant	2014-2015		
Hospital, government, or other professional positions					
UCHealth Encompass program - Au		Therapist	2020-2021		
Family Works Inc Indianapolis, IN		Therapist	2016-2020		
Rogers behavioral health – Skokie II	L	Behavioral Therapist	2014-2016		

#### Honors, special recognitions, and awards

Joseph and Alida Newman award 2023 Society for the Scientific Study of Psychopathy (SSSP)

Postdoctoral Association Travel Award University of Colorado, Aurora, CO	2021	
Empirical Implications of Theoretical Models – Multilevel Modeling II: Advanced Topics	2021	
Empirical Implications of Theoretical Models – Network Analysis II: Advanced Topics	2021	
Empirical Implications of Theoretical Models – Structural Equation Modeling with Latent Mo	2018	
Developmental, Child, and Family Psychology l ICPSR Quantitative Methods of Social Resea	2018	
Indiana University Travel Fellow	,	2017-2019
Graduate Professional Student Government Fell	owship	2016
Miranda Pang Endowment	1	2014
Phi Kappa Phi: Academic Honor Society		2013
Tau Upsilon Alpha: Human Services Academic	Honor Society	2013
Hellen I. and Rodney E. Nern Scholarship	230101 2301009	2013
Membership in professional organizations		
Society for the Scientific Study of Psychopathy		2022-current
Society of Clinical Child and Adolescent Psychological Child and Adolescent Psychologi	ology	2020-current
Society for Social Work and Research (SSWR)		2017-current
Major Committee and Service Responsibilities  Reard of Directors National Association of Ala	ahal and other Drugg	2011-2018
Board of Directors, National Association of Alcohol and other Drugs		2011-2016
of Abuse Counselors, Indiana Chapter, Indianap	OHS, HN	
Licensure and board certification		
Licensure and board certification <u>License</u>	<u>Certified</u>	Recertified
		Recertified 8/2023
<u>License</u>	<u>Certified</u>	
<u>License</u> Licensed Clinical Social Worker - Colorado	Certified 4/2023	8/2023
Licensed Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work Ad Hoc Reviewer	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019
Licensed Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2023
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 202
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 202
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex Neuroscience Letters	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 202
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex Neuroscience Letters Psychophysiology	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 202
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex Neuroscience Letters Psychophysiology Journal of Drug and Alcohol Dependence	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 2022 2021 2021 2021
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex Neuroscience Letters Psychophysiology Journal of Drug and Alcohol Dependence Journal of Juvenile Justice	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 202
License Licensed Clinical Social Worker - Colorado Licensed Social Worker - Colorado Licensed Social Worker - Indiana  Review and referee work  Ad Hoc Reviewer  European Child and Adolescent Psychiatry Personality and Individual Differences Translational Psychiatry Neuroimage Emotion Journal of Drug Issues Addictive Behaviors Reports Brain Imaging and Behavior Cerebral Cortex Neuroscience Letters Psychophysiology Journal of Drug and Alcohol Dependence	<u>Certified</u> 4/2023 7/2020	8/2023 7/2021 8/2019 2023 2023 2023 2022 2022 2022 2022 2022 2021 2021 2021

# **Open-Source Software Packages**

**resmod.** A python package that derives interaction terms using centered residuals <a href="https://pypi.org/project/resmod/">https://pypi.org/project/resmod/</a>, role: author

**fsub\_extractor.** A python package that ties diffusion and functional brain data together. <a href="https://github.com/smeisler/fsub\_extractor">https://github.com/smeisler/fsub\_extractor</a>, role: contributor

nups.//gimuo.com/smeisiei/isuo_extractor, role. contributor	
Invited extramural lectures, presentations and visiting professorships Winters, D.E., Distinct functional brain pattern and cognitive control vulnerabilities underlying callous-unemotional traits and the impact on theory of mind. EDEN lab at the University of Pennsylvania, Philadelphia, PA.	August 2023
Winters, D.E., Massey, S., Sakai, J. T., Adolescent substance use in response to social consequences of use: The role of empathy. Research Society on Alcoholism, Bellevue, WA.	June 2023
Winters, D.E., Sakai, J.T., Affective theory of mind impairments underlying callous-unemotional traits and the role of cognitive control. Society for Scientific Study of Psychopathy. New York, New York	May 2023
Winters, D.E., Functional Brain Properties in Adolescents with Callous-Unemotional Traits and Potential Mechanisms.  Developmental Psychobiology Research Group, Denver, CO	April 2023
Winters, D.E., Longitudinal Data Analysis Using Secondary Data. S728 multivariate statistics, Dr. Sadaaki Fukui. Indiana University School of Social Work, Indianapolis, IN.	Jan 2023
Winters, D.E., Sakai, J.T., Carter, R.M., Computational Lesioning of Heterogenous Functional Connectomes Explains Variance in Adolescent Callous-Unemotional Traits. Neurohackadamy, University of Washington, Seattle, WA	July 2022
Sanchez, C.R., Cooley, J.L., <b>Winters, D.E.</b> , Ricker, B.T., & Fite, P.J. <i>Prospective associations between forms of aggression and peer victimization: The moderating role of prosocial behavior</i> . Biennial Research Conference on Relational Aggression, Virtual Conference.	July 2022
<b>Winters, D.E.</b> , <i>Introduction to R for medical students</i> . University of Colorado Anschutz Medical Campus, Aurora, CO	April 2022
Winters, D.E., Cognitive Load Sensitivity Impacts Theory of Mind Impairments in Callous-Unemotional Traits. Developmental Psychobiology Research Group, Denver, CO	April 2022
Winters, D.E., Affective Theory of Mind Impairments in Youth with Callous-Unemotional Traits: The Role of Cognitive Control. American College of Neuropsychopharmacology. San Juan, PR	Dec 2021
Winters, D.E., Network typology of adolescents with callous- unemotional traits. Department of Psychiatry Poster Session, University of Colorado Anschutz Medical Campus, Aurora, CO	March 2021
<b>Winters, D.E.</b> , Adolescent Prosocial Behavior and Affective Theory of Mind: The Role of Cognitive Control and Callousness.  Developmental Psychobiology Research Group, Denver, CO	March 2021

Winters, D.E., Longitudinal Data Analysis Using Secon S728 multivariate statistics, Dr. Sadaaki Fukui. Indiana School of Social Work, Indianapolis, IN.	Jan 2021	
<b>Winters, D.E.</b> , Neural Connectivity of Empathy and its in Adolescents. Developmental Psychobiology Research Denver, CO	Oct 2020	
Winters, D.E., Statistical Approaches of Propensity Sca Training the Indiana Department of Children Services d and evaluation team, Indianapolis, IN.	March 2020	
Winters, D.E., Secondary data analysis. S728 multivar Dr. Sadaaki Fukui. Indiana University School of Social Indianapolis, IN.	Jan 2020	
Winters, D.E. Mindfulness and Acceptance and Commitment Therapy in Clinical Practice. Advanced clinical practice, Dr. Vincent Starnino, instructor. Indiana University School of Social Work, Indianapolis, IN.		June 2017
<b>Winters, D.E</b> . <i>Mindfulness in Addictions Treatment</i> . Presentation to staff and clients at the Life Recovery Center, Indianapolis, IN.		Aug 2016
Winters, D.E. Mindfulness in Clinician Self-Care, and Clinical Practice. Presented to the staff and honor society recipients of Chi Eta Sigma for marriage and family therapist. Purdue University.		April 2016
Teaching record		
University of Michigan – Institute for Social Research	- ICPSR	
Multilevel Modeling	Seminar	Summer 2023
Regression Analysis II: Linear models	Online	Summer 2020
Regression Analysis II: Linear models	Seminar	Summer 2019
Indiana University School of Social Work – Teaching	Assistant	
S623 Practice Research Integrative Seminar	Online	Summer 2017
S623 Practice Research Integrative Seminar	Online	Spring 2017
S623 Practice Research Integrative Seminar	Seminar	Fall 2016
Indiana University- Adjunct Professor		
S728 Advanced Statistics – Statistics Lab	Seminar	Spring 2020
S718 Intermediate Statistics – Statistics Lab	Seminar	Fall 2019
S728 Advanced Statistics – Statistics Lab	Seminar	Spring 2019
S718 Intermediate Statistics – Statistics Lab	Seminar	Fall 2018
S517 Assessment in Mental Health & Addictions	Seminar	Summer 2018
Mentoring		
Harshith Alete, MS. – Role: Research Mentor		2023
<ul> <li>I mentored Harshith on conducting research and manuscripts resulting in one article submission.</li> </ul>		
Neuromatch Academy – Computational Neuroscience N  - I mentored a group of five participants in the coneuroscience track on completing capstone proj	Mentor mputational	2022

Gabriel Yepes, M.D. – Role: Research Mentor  - I mentored Dr. Yepes on conducting research and writing manuscripts resulting in one research publication.	2021
Grant support Current	
Developmental Psychobiology Endowment. Project title: 'Cognitive control limitations amongst adolescents with callous-unemotional traits that impact the capacity for theory of mind: Evidence from a dual-task paradigm.' Funding amount \$7,355 Role: PI	2023 – 2025
National Institutes of Mental Health T32MH015442-42; Laudenslager, Mark (PI), Developmental Psychopathology, Psychobiology & Behavior. <u>Role</u> : Postdoctoral Fellow	2020 – present
Submitted and Pending Grants  National Institute of Mental Health – K23. Project title: 'Functional connectivity underlying callous-unemotional traits in early adolescents implicated in cognitive control impairments that impact affective theory of mind.' Role: PI	2023 – 2028
National Institute of Mental Health – R21. Project title: 'Functional brain network topology and changes in salience, social, and executive function systems in adolescents with callous-unemotional traits.' <u>Role</u> : PI	2023-2025
Completed Developmental Psychobiology Endowment. Project title: 'The effects of cognitive load on prosocial behavior amongst early adolescents with high callous-unemotional traits and typically developing controls.' Funding amount \$7,220 Role: PI	2021 – 2022
Indiana Department of Children Services Title IV-E Waiver A93-3-13-4F-C0-0981; Pierce, Barbra (PI), Indiana University School of Medicine. Role: Research Analyst	2019 – 2020
Indiana Department of Children Services Title IV-E Waiver A93-3-13-4F-C0-0981; Hall, Jim (PI), Indiana University School of Medicine. Research Assistant	2017 – 2019

### **Bibliography**

#### **Published**

Open science legend: \* = preregistered; + = analysis code shared; # = data shared Published Peer-Reviewed Articles

- \*+ Winters, D. E., Leopold, D. R., Sakai, J. T., & Carter, R. M. (In Press). Efficiency of heterogenous functional connectomes explains variance in callous-unemotional traits after computational lesioning of cortical midline and salience regions. *Brain Connectivity*.
- \*+ Winters, D.E., Sakai, J.T. (In Press). Cognitive processes underlying prosocial decision making in callous-unemotional traits. *Psychopathy & Behavioral Assessment*.
- + Winters, D.E., Sakai, J.T. (In Press). Affective theory of mind impairments underlying callous-unemotional traits and the role of cognitive control. *Cognition and*

Emotion.

- +# Sakai, J.T., Chintaluru, Y., **Winters, D.E.,** Raymond, K., McWilliams, S., Carter, R.M., Mikulich, S. (In Press) A revised prosocial behavior game: Testing association with psychopathic traits and the effects of moral elevation using a randomized clinical trial. *PLOS One*.
- **Winters, D.E.**, Leopold, D.R., Sakai, J.T., Carter, R.M. (In Press) Resting-state connectivity underlying cognitive control's association with perspective taking in callous-unemotional traits. *Psychiatry Research: Neuroimaging*.
- Winters, D.E., Massey, S., Sakai, J.T., (In Press) Adolescent substance use outcomes in response to social consequences of use: the role of empathy. *Journal of Drug Issues*. DOI: 10.1177/00220426231159303
- \*+# Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., Franco, A.R., Karipidis, I.I., Kruper, J., Milham, M., Avelar-Pereira, B., Roy, E., Sydnor, V.J., Yeatman, J.D., The Fibr Community Science Consortium (Winters, D.E.), Theodore D. Satterthwaite, Ariel Rokem (2022) An analysis-ready and quality-controlled resource for pediatric brain white-matter research. Scientific Data, 9(1): p. 616.
- + **Winters, D.E.**, Hyde, L. W. (2022). Shared Functional Network Connectivity Between Callous-Unemotionality and both Cognitive and Affective Empathy. *Journal of Affective Disorders*.
- **Winters, D.E.**, Sakai, J.T. (2022) Emotion identification for self and other associated with callous-unemotional traits and sex differences in early adolescents. *Child Psychiatry & Human Development*.
- **Winters, D.E.,** Pruitt P. J., Damoiseaux J.S, Sakai, J.T. (2021). Moderating effect of CU traits on functional connectivity underlying empathy in adolescents. *Psychiatry Research Neuroimaging*. DOI: 10.1016/j.pscychresns.2021.111429
- **Winters D.E.**, Sakai, J.T., Carston, R.M. (2021) Resting-state network topology characterizing callous-unemotional traits in adolescence. Neuroimage: Clinical, 2021: p. 102878.
- **Winters, D.E.,** Susan M., Hopfer, C., Sakai, J.T. (2021). Moderating effects of CU traits on transdiagnostic symptoms association with suicidality in adolescents. *Child Psychiatry and Human Development*. DOI: 10.1007/s10578-021-01256-w
- Winters D.E., Pruitt P. J., Fukui S., Cyders M.A., Pierce B. J., Lay K., Damoiseaux J.S. (2021). Indirect paths between functional connectivity underlying heterogenous depression symptoms in adolescents via cognitive and affective empathy. *Child Psychiatry and Human Development*. DOI: 10.1007/s10578-021-01242-2
- Winters, D.E., Pruit P.J., Fukui, S., Cyders, M. A., Pierce, B. J., Lay, K., Damoiseaux, J. S. (2021). Network functional connectivity underlying dissociable cognitive and affective components of empathy in adolescence. *Neuropsychologia*. DOI: 10.1016/j.neuropsychologia.2021.107832
- **Winters, D.E.**, Brandon-Friedman, R., Yepes, G., Hinkley, J. (2020). Systematic review and meta-analysis of socio-cognitive and socio-affective processes association with adolescent substance use. *Drug and Alcohol Dependence*. DOI: 10.1016/j.drugalcdep.2020.108479
- Winters, D.E., Pierce, B. J., Imburgia, T. (2020) Concrete services usage on child placement stability: Propensity score matched effects. *Child and Youth Service*

- Review. DOI: 10.1016/j.childyouth.2020.105362
- **Winters, D.E.**, Wu, W., Fukui, S. (2020). Longitudinal effects of cognitive and affective empathy on adolescent substance use. *Substance Use & Misuse*, 1-7. DOI: 10.1080/10826084.2020.1717537
- Winters, D.E., Fukui, S., Leibenluft, E., Hulvershorn L.A., (2018). Improvements in Irritability with Open-Label Methylphenidate in Youth with Comorbid Attention Deficit/Hyperactivity Disorder and Disruptive Mood Dysregulation Disorder. *Journal of Child and Adolescent Psychopharmacology*, 28(5): 298-305.
- Beerbower, E., **Winters, D.E.**, Kondrat, D. (2018). Bio-psycho-social-spiritual needs of adolescents and young adults with life-threatening illnesses: Implications for social work practice. *Social Work in Health Care*, 1-17. DOI: 10.1080/00981389.2018.1430091
- Winters, D.E., Beerbower, E. (2017). Mindfulness and Meditation as an Adjunctive Treatment for Adolescents Involved in the Juvenile Justice System: Is Repairing the Brain and Nervous System Possible? *Social Work in Health Care*, 1-21. Doi:10.1080/00981389.2017.1316341

#### **Published Book Chapters**

Armstrong, E., **Winters, D.E.**, Jaggers, J. (2018). Mental Health in Prison Populations. Serving the Stigmatized: Working within the Incarcerated Environment. W.T. Church and D.W. Springer, Oxford University Press.

#### Technical Reports for the State of Indiana

Winters, D.E., Imburgia, T., Pierce, B. J. (2017, 2018, 2019, 2020). Concrete Services Spending and outcomes for youth. Indiana Department of Child Services Child Welfare Title IV-E Waiver Demonstration Project Extension: Final Report.

#### Unpublished

#### **Under Review**

- \*+ Winters, D.E., Guha A., Sakai, J.T. (under review) Connectome-based predictive modeling of empathy in adolescents with and without the low-prosocial emotion specifier
- **Winters, D.E.**, Sakai, J.T. (under review). Prosocial behavior limitations associated with callous-unemotional traits are moderated by internalizing symptoms
- **Winters, D.E.**, Sakai, J.T. (under review) Callous-Unemotional traits association with prosocial behavior and the mediating role of cognitive control.

#### In preparation

- **Winters, D.E.**, Connectome-based data-driven subgroups association with theoretical groups of callous-unemotional traits and low prosocial emotion specifier
- **Winters, D.E.,** Executive functions after accounting for measurement error associations with callous-unemotional traits.