

## UNIVERSITY OF COLORADO SCHOOL OF MEDICINE

Drew E. Winters, PhD.  
drew.winters@cuanschutz.edu  
317-525-3133

### 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 in adolescents 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.

### Education

University of Colorado Anschutz Medical Campus, Aurora, CO.	Current
- Post-Doctoral Fellow: Developmental Psychobiology Research Group (DPRG)	
- Primary mentor: Dr. Joseph Sakai, M.D.	
Indiana University, Indianapolis, IN. – Ph.D.	April 2020
Indiana University, Indianapolis, IN. – MSW	May 2016
Purdue University, Fort Wayne, IN. – B.S.	May 2013

### Academic appointments

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 Assistant	2014-2015

### Hospital, government, or other professional positions

UCHealth Encompass program - Aurora, CO	Therapist	2020-Present
Family Works Inc. - Indianapolis, IN	Therapist	2016-2020
Rogers behavioral health – Skokie IL	Behavioral Therapist	2014-2016

### Honors, special recognitions, and awards

Empirical Implications of Theoretical Models – Statistics Mastery Multilevel Modeling II: Advanced Topics	2021
Empirical Implications of Theoretical Models – Statistics Mastery Network Analysis II: Advanced Topics	2021
Empirical Implications of Theoretical Models – Statistics Mastery Structural Equation Modeling with Latent Models	2018
Developmental, Child, and Family Psychology Fellowship ICPSR Quantitative Methods of Social Research Ann Harbor, MI	2018
Indiana University Travel Fellow	2017-2019
Graduate Professional Student Government Fellowship	2016
Maranda Pang Endowment	2014
Phi Kappa Phi: Academic Honor Society	2013

Tau Upsilon Alpha: Human Services Academic Honor Society	2013
Hellen I. Rodney Nern Scholarship	2013

#### **Membership in professional organizations**

Society of Clinical Child and Adolescent Psychology	2020-current
Society for Social Work and Research (SSWR)	2017-current

#### **Major Committee and Service Responsibilities**

Board of Directors, National Association of Alcohol and other Drugs of Abuse Counselors, Indiana Chapter, Indianapolis, IN	2011-2018
--	-----------

#### **Licensure and board certification**

<u>License</u>	<u>Certified</u>	<u>Recertified</u>
Licensed Social Worker – Colorado	7/2020	7/2021
Licensed Social Worker – Indiana	7/2016	8/2019

#### **Review and referee work**

Psychophysiology	Ad hoc reviewer	2021
Journal of Drug and Alcohol Dependence	Ad hoc reviewer	2021
Neuroscience Letters	Ad hoc reviewer	2021
Journal of Juvenile Justice	Ad hoc reviewer	2018
Journal of Child and Family Studies	Ad hoc reviewer	2017
Mindfulness	Ad hoc reviewer	2016 - 2020

#### **Invited extramural lectures, presentations and visiting professorships**

Winters, D.E., <i>Affective Theory of Mind Impairments in Youth with Callous-Unemotional Traits: The Role of Cognitive Control</i> . American College of Neuropsychopharmacology. San Juan, PR	12/2021
Winters, D.E., <i>Network typology of adolescents with callous-unemotional traits</i> . Department of Psychiatry Poster Session, University of Colorado Anschutz Medical Campus, Aurora, CO	3/2021
Winters, D.E., <i>Adolescent Prosocial Behavior and Affective Theory of Mind: The Role of Cognitive Control and Callousness</i> . Developmental Psychobiology Research Group, Denver, CO	3/2021
Winters, D. E., <i>Longitudinal Data Analysis Using Secondary Data</i> . S728 multivariate statistics, Dr. Sadaaki Fukui. Indiana University School of Social Work, Indianapolis, IN.	1/2021
Winters, D.E., <i>Neural Connectivity of Empathy and its Impairments in Adolescents</i> . Developmental Psychobiology Research Group, Denver, CO	10/2020
Winters, D.E., <i>Statistical Approaches of Propensity Score Matching</i> . Training the Indiana Department of Children Services data analysis and evaluation team, Indianapolis, IN.	3/2020
Winters, D.E., <i>Secondary data analysis</i> . S728 multivariate statistics, Dr. Sadaaki Fukui. Indiana University School of Social Work, Indianapolis, IN.	1/2020
Winters, D.E. <i>Mindfulness and Acceptance and Commitment Therapy in Clinical Practice</i> . Advanced clinical practice, Dr. Vincent Starnino, instructor. Indiana University School of Social Work,	6/2017

Indianapolis, IN.

Winters, D.E. *Mindfulness in Addictions Treatment*. Presentation to staff and clients at the Life Recovery Center, Indianapolis, IN. 8/2016

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, Fort Wayne, IN. 4/2016

### Teaching record

#### 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

#### University of Michigan – ICPSR

Regression Analysis II: Linear models	Online	Summer 2020
Regression Analysis II: Linear models	Seminar	Summer 2019

#### 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

### Grant support

Developmental Psychobiology Endowment Fund. 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-present

National Institutes of Mental Health T32MH015442-42; Laudenslager, Mark (PI), Developmental Psychopathology, Psychobiology & Behavior. Role: Postdoctoral Fellow 2020 - present

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. Role: Research Assistant 2017 - 2019

### Bibliography

#### Published

#### *Published Peer-Reviewed Articles*

**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.psychresns.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*. <https://doi.org/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*. <https://doi.org/10.1007/s10578-021-01242-2>
- Winters, D.E.,** Pruitt 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*. 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*. <https://doi.org/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.chilyouth.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.,** Jagers, 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.,** Sakai, J.T. (under review). Affective theory of mind impairments underlying callous-unemotional traits and the role of cognitive control: A pilot study.
- Winters, D.E.,** Massey, S.H., Sakai, J.T. (under review). Adolescent substance use

outcomes in response to social consequences of use: the role of empathy.

Winters, D.E., Sakai, J.T. (under review). Prosocial behavior limitations associated with callous-unemotional traits are moderated by internalizing symptoms

**Winters, D. E.**, Hyde, L. W. (under review). Shared Functional Network Connectivity Between Callous-Unemotionality and both Cognitive and Affective Empathy.

Sakai, J.T., Chintaluru, Y., Raymond, K., McWilliams, S., Carter, R., **Winters, D.E.**, Mikulich, S. (under review). Can Moral Elevation Response Increase Prosocial Behavior? Examining the Effects of Psychopathic Traits.

***In preparation***

**Winters, D. E.** Functional connectivity underlying cognitive control in relation to empathy and callous-unemotional traits.

**Winters, D.E.** Callous-Unemotional traits association with prosocial behavior and the mediating role of cognitive control.