Gene-Brain-Behavior Interactions in Neurodevelopmental Disorders: Towards an Integration of Perspectives on Disease Mechanisms T32 Postdoc (Virtual) Seminar Series

> University of North Carolina at Chapel Hill Carolina Institute for Developmental Disabilities FALL 2021 and SPRING 2022 Syllabus

PURPOSE

This seminar examines the topics of genetics, neuroanatomy, physiology, and behavioral development to provide a broad-based and integrated background to understand the etiology and potential mechanism underlying neurodevelopmental disorder.

COURSE DIRECTORS Joe Piven, MD and Ben Philpot, PhD		MEETING TIMES Wednesdays, 9:00 am – 10:30 am via Zoom
Coordinators: Kelly Caravella, PhD., Dea Garic, PhD., Meredith Gruhn, PhD., Dewran Kocak, PhD., Tehila Nugiel, PhD., and Catheryn Wilson, PhD.		
Sept 8, 2021	Laura Ornelas, PhD Post-Doc Trainee, Alcohol Studies Center Structural and Functional Neuroanatomy	
Sept 15 2021	Graham Diering, PhD Assistant Professor, Cell Biology and Physiology Neurobiology of Sleep in NDDs	
Oct 13, 2021	Jessica Kinard, PhD Research Associate, Carolina Institute for Developmental Disabilities (CIDD) Language Development	
Oct 27, 2021	Jason Stein, PhD Assistant Professor, Genetics Genetic Influences on Cortical Development	
Nov 3, 2021	Gabriel Dichter, PhD Professor, Psychiatry-CIDD Adjunct Professor, Psychology and New Translational Research Methods	uroscience
Nov 10, 2021	Eva Anton, PhD Professor, Cell Biology and Physiology Early Neurodevelopment	

Nov 17, 2021	Jose Rodríguez-Romaguera, PhD Assistant Professor, Psychiatry and Neuroscience Arousal Response in Modd Disorders	
Feb 9, 2022	Cindy Lawler, PhD National Institute of Environmental Health Sciences Chief, Genes, Environment, and Health Branch (GEH) <i>Environmental/Non-Genetic Influence on NDD</i>	
Mar 2, 2022	Jessica Cohen, PhD Associate Professor, Psychology and Neuroscience Brain Network Organization in ADHD	
Mar 23, 2022	Rebecca Santelli, PhD Adjunct Associate Professor, Psychiatry Genes, Microbes, and Infant Brain	
Mar 30, 2022	Bryan Roth, MD, PhD Distinguished Professor, Pharmacology Research Professor, Psychiatry Professor, SOP-CBMC New Chemical and Synthetic Neurobiology Technologies	
Apr 6, 2022	Jessica Dykstra Steinbrenner, PhD Advanced Research Scientist, Health Sciences - SPHS Fellow, FPG Child Development Institute Measuring and Supporting Engagement in Naturalistic Settings	
Apr 20, 2022	Mark Zylka, PhD Distinguished Professor, Cell Biology and Physiology Director, Neuroscience Development of a CRISPR/Cas9 gene therapy for Angelman syndrome	
Apr 27, 2022	Scott Parnell, PhD Assistant Professor, Cell Biology and Physiology FAS Genetics	