PURPOSE
This seminar will review the epidemiology, pathogenesis, diagnosis and treatment of neurodevelopmental syndromes and disorders. Topics will range from single gene (e.g. fragile X syndrome and tuberous sclerosis) to complex genetic (e.g., autism, schizophrenia), to environmental disorders with varied phenotypes, pathogenetic mechanisms and treatments.

TIME AND LOCATION
Wednesdays, 9:00 am – 10:30 am
Autism Building off Smith Level Road, 2nd floor conference room
Address: 100 Renee Lynne Court, Carrboro*

COURSE DIRECTORS
Joe Piven, M.D. and Ben Philpot, Ph.D.

Sept 3 Overview of Autism
Joseph Piven, M.D.
Thomas E. Castelloe Distinguished Professor of Psychiatry, Pediatrics and Psychology
Director, Carolina Institute for Developmental Disabilities

Oct 1 Sensory – Motor Development and Autism
Grace Baranek, Ph.D.
Professor; Associate Chair for Research
Division of Occupational Science

Oct 22 Treatment of Autism
Robert Christian, M.D.
Assistant Professor,
Department of Psychiatry
Oct 29  Epidemiological Studies of Autism
Julie Daniels, Ph.D.
Associate Professor
Maternal and Child Health; Associate Professor Epidemiology

Nov 5  Psycho-Educational Interventions for Autism
Sam Odom, Ph.D.
Professor and Director of the Frank Porter Graham Child Development Institute

Nov 12  Neuropsychological Basis of Autism
Gabriel Dichter, Ph.D.
Associate Professor of Psychiatry and Psychology; Director, Clinical Affective Neuroscience Lab

Dec 3  Identification of genes in autism and schizophrenia
Patrick F. Sullivan, MD, FRANZCP
Distinguished Professor of Genetics
Director, Psychiatric Genomics Professor, Psychiatry
Adjunct Professor, Epidemiology
Foreign Adjunct Professor, Karolinska Institute

Jan 7  Molecular Biology of Neurodevelopmental Disorders
William Snider, M.D.
Director and Professor, Neuroscience Research Center

Feb 4  Moving from a good idea to an FDA approved drug: Our experience with oxytocin
Linmarie Sikich, M.D.
Associate Professor and Director
Adolescent and School-age Psychiatric Intervention Research Program (ASPIRE)

Feb 11  Oxytocin
Cort A. Pedersen, M.D.
Professor of Psychiatry and Neurobiology
Department of Psychiatry

Mar 4  Pre-natal Cocaine Effects
Philip Zeskind, Ph.D.
Research Professor of Pediatrics
Director, Neurodevelopmental Research
Levine Children's Hospital at Carolinas Medical Center
Mar 25  **Turner Syndrome**  
Rebecca Knickmeyer-Santelli, Ph.D.  
Assistant Professor,  
Department of Psychiatry

Apr 8  **Schizophrenia**  
Aysenil Belger, Ph.D.  
Professor; Director of Neuroimaging Research  
Department of Psychiatry

Apr 15  **Fetal Alcohol Syndrome**  
Scott Parnell, Ph.D.  
Research Assistant Professor  
Department of Cell and Developmental Biology

Apr 22  **Angelman Syndrome and Prader-Willi Syndrome**  
Anne Wheeler, Ph.D.  
Assistant Clinical Professor,  
Department of Psychiatry

Apr 29  **Lysosomal Storage Disorder**  
Muge Gucsavas-Calikoglu, M.D., MPH  
Associate Professor,  
Department of Pediatrics; Division of Genetics and Metabolism

May 6  **Chromosomal Micro Deletions Syndromes**  
Muge Gucsavas-Calikoglu, M.D., MPH  
Associate Professor,  
Department of Pediatrics; Division of Genetics and Metabolism

May 20  **Fragile X Overview**  
Heather Hazlett, Ph.D.  
Assistant Professor,  
Department of Psychiatry

May 27  **Neurofibromatosis and Tuberculosis (TB)**  
Robert Greenwood, M.D.  
Professor,  
Department of Neurology and Pediatrics