PURPOSE
This seminar will review the epidemiology, pathogenesis, diagnosis and treatment of clinical syndromes and neurodevelopmental 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*

COORDINATORS
Joe Piven, MD and Ben Philpot, PhD

Coordinators: Robert Emerson, PhD, Jessica Kinard, PhD, Sarah Sinnett, PhD, Shana Hall, PhD, Candace Killian-Farrell, PhD, and Alexander Tuttle, PhD

Sept 21  Overview of Autism
Joseph Piven, MD
Director, Carolina Institute for Developmental Disabilities (CIDD)

Sept 28  Neuropsychological Basis of Autism and Imaging Research
Gabriel Dichter, PhD
Associate Professor, Psychiatry and Psychology-CIDD
Director, Clinical Affective Neuroscience Lab

Oct 5  Predictive Analytics with Neuroimaging in Neurodevelopmental Disorders
Robert Emerson, PhD
Postdoctoral Research Associate, CIDD

Oct 12  Treatment of Autism
Laura Politte, MD
Clinical Assistant Professor, Pediatrics and Psychiatry-CIDD

Oct 19  Psycho-educational Interventions for Autism
Laura Klinger, PhD
Associate Professor, Psychiatry
Director, TEACCH
Dec 14  Bench to Bedside: What it took for us to start a first-in-human clinical trial for new drug.
Steven Gray, PhD
Assistant Professor, Ophthalmology

Jan 11  Identification of Genes in Autism and Schizophrenia Research
Patrick Sullivan, MD, FRANZCP
Professor, Genetics
Director, Center for Psychiatric Genomics

Feb 1  How perinatal environment may be associated with neurodevelopment - insights from epidemiological studies of autism and behavioral development.
Julie Daniels, PhD
Professor, Epidemiology and Maternal & Child Health

Feb 15  Development of Safer Gene Therapies for RTT
Sarah Sinnett, PhD
Postdoctoral Research Associate, Ophthalmology-Gene Therapy

Mar 1  Overview of ADHD
Margaret Sheridan, PhD
Assistant Professor, Psychology and Neuroscience

Mar 8  Schizophrenia
Aysenil Belger, PhD
Professor, Psychiatry and Psychology
Director, Psychiatry Neuroimaging Research

Apr 21  Molecular Genetics of Autism Spectrum Disorders
Mark Zylka, PhD
Professor, Cell Biology and Physiology
Director, Neuroscience Center

May 3  Tuberous Sclerosis and Neurofibromatosis
Robert Greenwood, MD
Professor, Child Neurology

May 17  Lysosomal Storage Disorders
Muge Gucsavas-Calikoglu, MD, MPH
Associate Professor, Pediatrics

May 31  Fragile X
Heather Hazlett, PhD
Assistant Professor, Psychiatry-CIDD

Jun 7  Angelman Syndrome
Mark Shen, PhD
Research Assistant Professor, Psychiatry-CIDD