

Clinical Syndromes and Neurodevelopmental Disorders

T32 Postdoc Seminar Series

University of North Carolina at Chapel Hill
Carolina Institute for Developmental Disabilities

FALL 2016 and SPRING 2017 Syllabus

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*

COURSE DIRECTORS

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**

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| 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