

Clinical Syndromes and Disorders

T32 Postdoc Seminar Series

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

FALL 2014 and SPRING 2015 Syllabus

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.

Coordinators: *Katrina Martin, Ph.D., Jeffrey Stirman, Ph.D., Meghan Swanson, Ph.D., Shanna Resendez, Ph.D., Mark Shen, Ph.D., and Michael Sidorov, Ph.D.*

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| 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