Welcome to the fall DPRG seminar series.

Our first speaker will be our own Dr. Don Rojas who will update us on his research program. Following that our kick-off speaker for the year will be Dr. Robert Cloninger MD who has a history of leading many seminal studies in psychiatry.

One of my goals for this year is to increase linkages between DPRG and other groups within the university. In particular, I have asked Dr. Marc Moss to speak to our group. He is the director of the Colorado Clinical and Transitional Sciences Institute’s education component focused on developing human capital for capacity to conduct translational and clinical research. I’m really hoping that the DPRG group can integrate more with the CCTSI, both for the purpose of providing funding and career development opportunities for DPRG members as well as advancing our network of potential collaborators. Additionally, Dr. Doug Novins will be speaking to the group later in the year. Dr. Novins is the incoming director of the child psychiatry division, and I am hoping that the DPRG group can be more closely linked with child psychiatry.

Currently, our fall seminar speaker series is full, however, if you are interested in presenting in the spring, please contact myself as there are a few slots open. It is a great opportunity to get feedback on your ideas.

Finally, as a reminder, we have a new procedure for DPEF applications. Please submit them to myself and Crystal Natvig 3 weeks prior to review by the committee. I will review them and we will send all applications to the committee 2 weeks prior to the review. This change will primarily make it easier for the reviewers to see all applications in a single package and will make the review process more efficient. Related to that note, I’d like to mention that Joy Browne has rotated off the executive committee and Dr. Ken McLean will be joining the executive committee. I’d like to thank both for their service.

Looking forward to seeing you next year.

Best
Christian Hopfer
DPRG SEMINAR SCHEDULE
Fall 2012

All seminars are on Tuesdays from 10:00-11:45 AM at The Children's Hospital, Gary Pavilion, in the Denver Room. Prior to each seminar there is a "coffee hour" from 9:30 - 10:00 AM.

September 11
Don Rojas, Ph.D., Associate Professor, Dept. of Psychiatry, UCD
Converging evidence from multimodal neuroimaging supports imbalanced neural excitation and inhibition in autism

September 25
DPRG KickOff Speaker:
Robert Cloninger, M.D., Professor, Dept. of Psychiatry, Washington University in St. Louis
The Evolution of Human Brain Systems

(DPRG Executive Committee meeting immediately following the presentation)

October 9
DPRG Annual Business Meeting

October 23
Lisa Wilson, PhD., Postdoctoral Fellow, UCD
Phonological Processing in Autism Spectrum Disorders

Hannah Snyder, PhD., Postdoctoral Fellow, UCD
Executive function: Brain, behavior, and links to psychopathology

November 13
Anita Quintana, PhD., Postdoctoral Fellow, UCD
Using Zebrafish for the Functional Characterization of Candidate Genes identified in Patients with Neurodevelopmental Disorders

November 27
Jaime Derringer, PhD., Postdoctoral Fellow, UC Boulder
Pathway analysis of genome-wide association results: Behavioral disinhibition and depression

December 11
John Thomas
TBA

(DPRG Executive Committee meeting immediately following the presentation)
**Undergraduate Students**

The DPRG is the home of a new NIMH-supported summer undergraduate research training program, Scholarly Trainees Acquiring Research Skills (STARS). This program brings 7 students from rural community colleges to the medical school campus to participate in research programs each summer.

**NIMH Postdoctoral Trainees**

We welcome three new postdoctoral trainees to our NIMH T32 program since the last newsletter: Lisa Wilson, PhD, who is sponsored by Don Rojas, Anita Quintana, PhD, who is working with Tamim Shaikh and Bruce Appel, and Hannah Snyder, PhD, who is working with Ben Hankin at DU. We look forward to the seminar presentations of these trainees this fall. Continuing postdocs are Anthony Cordaro, MD, working with Marianne Wamboldt, Nick Hazel, PhD, who is sponsored by Ben Hankin, and Jake Hines, PhD, working with Bruce Appel. Fellows who have completed training since the last newsletter include Detre Godinez, PhD (Banich), Analice Hoffenberg, MD, MSPH (Hopfer), and Kristina McFadden, PhD (Rojas).

**Request to Advertise the NIMH Postdoctoral Research Training Program**

Members of DPRG - if you are giving a talk and want to inform the audience that we have training programs available, there is a PowerPoint slide offered that you can include at the end of your presentation. The slide is located on the ANNOUNCEMENTS tab of the DPRG website. If you have further questions you can email Linda Greco-Sanders.

We are accepting applications for summer, 2013 positions in the Postdoc Training Program. The deadline is December 1, 2012 and application information can be found on our web page, [www.dprgpostdoc.org](http://www.dprgpostdoc.org).
AFFILIATED SEMINARS

Affect Seminar
September-May, 2nd & 4th Tuesdays of the month 1:00-2:30pm, Ben Nighthorse Campbell Building, 2nd Floor North East Conference Room 241. BNC: Bob Emde

Perinatal Vulnerability to Psychosis Research Group
4th Tuesday of the month 8:15-9:45 (9:00-10:30 May –August), Ben Nighthorse Campbell Building, Room 304: Randy Ross

Child Grand Rounds
Please visit the DPRG website for an updated schedule.

If you are interested in joining any of these groups, contact the leader. If there is an area not covered that you think there would be interest in, please contact the DPRG office.

ANNOUNCEMENTS

EXECUTIVE COMMITTEE
Meetings scheduled for Tuesday, September 25th and December 11th immediately following the seminars.

OTHER NEWS
We are currently working on our Spring 2013 DPRG Seminar schedule. Please contact Dr. Hopfer if you are interested in presenting.

UPCOMING MEETINGS OF INTEREST

The 7th International Conference on Brain Monitoring and Neuroprotection in the Newborn is scheduled for September 13-15, 2012 in Tampa, Florida. For more information, please visit: https://cmetracker.net/USF/Files/Brochures/221967.pdf

Seventh Annual Pediatric Sleep Medicine Conference: Advances in Research, Patient Care, Policy, and Education will be held at the Omni-Amelia Island Plantation Resort in Amelia Island, Florida on November 7-10, 2012. The event is sponsored by Warren Alpert Medical School of Brown University. Updates can be found at: http://med.brown.edu/cme/pediatricsleep/conference

The Society for Research in Child Development (SRCD) Biennial Meeting will be held in Seattle, Washington, April 18-20, 2013. For more information please visit the website, http://www.srcd.org/

SLEEP 2013 27th Annual Meeting of the APSS scheduled for June 1-5, 2013 in Baltimore, Maryland. For information please visit: http://www.sleepmeeting.org/datesdeadlines.aspx
PAPERS/POSTERS PRESENTED


Buard, I. An MEG study of high-frequency brain oscillations in autism and first-degree relatives during picture naming. Presented at: UC Denver, PDRD 2012, 03/02/2012; UC Denver Junior Faculty meeting 03/14/2012; IMFAR 2012, Toronto Canada, 05/17/2012; Biomag 2012, Paris France, 09/27/2012.


Maclean, K. A novel adjuvant-treatment strategy for CBS deficient homocystinuria: taurine supplementation prevents oxidative stress mediated impairment of BHMT function and significantly improves the ability of long-term betaine treatment to lower homocysteine. SSIEM International Meeting. Birmingham, United Kingdom. September 2012.

Maclean, K. CBS Deficient Homocystinuria: Can we improve on methionine restriction and betaine? Keynote talk at the GMDI International Conference, New Orleans, USA April 2012.

Miller Bruce D. Effects of Stress and Depression on Neurobiologic Processes in Pediatric Asthma. Neuroscience Program Seminar, University at Buffalo, Buffalo, New York, February 2012.


Miller, Bruce D. The Effects of Insecure Attachment on Child Asthma: Stress, Depression and Autonomic Dysregulation as Possible Mechanisms. Tokushima University, Tokushima, Japan, September 2011.

Miller, Bruce D., Wood, Beatrice L. The Effects of Stress and Depression on Insecurely Attached Asthmatic Children. Korea University, Seoul, South Korea, August 2011.


PAPERS/BOOKS PUBLISHED


Kenneth N. Maclean. Betaine treatment of cystathionine beta-synthase deficient homocystinuria; Does it work and can it be improved? *Orphan Drugs: Research and Reviews*. 2012, 2:22-33


Lim, Jungha, Miller, Bruce D., Wood, B.L, Simmens, Samuel J. (2011), “Effects of


Volpe, LE, Ball, HL and McKenna, JJ (2012). Nighttime parenting strategies and sleep-related risks to infants. Social Science and Medicine: Special Issue on Sleep, http://dx.doi.org/10.1016/j.socscimed.2012.05.043.

RECENT CONFERENCES ATTENDED

Brown Alpert Medical School Sixth Annual Conference on Pediatric Sleep Medicine, Best Practices Course Faculty Speaker, “Pediatric Sleep and Respiratory Event Scoring, Updates from the AASM”, Amelia Island, Florida, October 2011.

Hong Kong Society of Paediatric Respirology and the Hong Kong Society of Sleep Medicine, Pediatric Sleep Medicine Post-Graduate Course Invited Speaker, “CPAP in Children”, “Actigraphy and Sleep Logs”, “Pediatric Obstructive Sleep Apnea”, “Pediatric Respiratory Event Scoring”, and “Medical Therapy of Pediatric Sleep Apnea”, Hong Kong Hospital and Sanatorium, Happy Valley, Hong Kong, October 2011.

Society for Research in Child Development Themed Meeting on Developmental Methodology, Tampa, FL, February 2012.


Developmental Physiology Annual Meeting, Leicestershire, UK, June 2012.


Sleep, Infancy and Mothering Conference, Durham University, Durham, UK, June 2012.
**FUNDING**

Ann Halbower received:

- Health Resources and Services Administration (Perrin, PI)
  
  
  Objectives: To determine the effects of iron supplementation on sleep in children with autism, and the role of restless legs syndrome/periodic limb movements of sleep.
  
  04/01/12 – 08/31/14

- R6130H (Halbower, PI)
  
  Infant Safe Sleep
  
  Sponsor: Children’s Hospital Colorado Foundation
  
  Objectives: To assess SIDS risk factor awareness, attitudes, and beliefs of health care providers and parents in order to develop targeted SIDS prevention messages to the community.
  
  02/15/12-02/15/17

- NIH/NCRR 1 UL1 RR024975-01 (Malow, PI)
  
  Administrative Supplement
  
  Measuring Sleep in Autism: Use of Wireless, Comfortable, and Home-Based Tools
  
  Objective: To measure sleep non-invasively at home in children with autism
  
  06/01/11-05/31/12

Mark Laudenslager received:

- Autism Speaks - Treatment Grant (Laudenslager, PI)
  
  “Salivary Melatonin as a Biomarker for Response to Sleep Interventions in Children with Autism”
  
  (This project develops and validates a non-intrusive method to collect salivary melatonin on filter papers using an approach previously validated for salivary cortisol.)
  
  $53,089 Current year direct costs, 12/01/11 – 12/01/13

- 90YR0058 (Michelle Sarche, PI)
  
  Administration for Children and Families
  
  
  (This represents a partnership between the Cherokee Nation Early Head Start Program and the University of Colorado Denver, Centers for American Indian and Alaska Native Health to understand the relationship between major environmental stressors and hair cortisol among American Indian children.)
  
  $268,633 Current year direct costs, 09/30/11 – 09/29/16

- R01 CA126971 (supplement) (Laudenslager, PI)
  
  “A psychoeducation Intervention for BMT caregivers: Biobehavioral markers and outcome”
  
  (This is a supplement to a randomized control trial of a psychoeducation with stress management intervention focused only on caregivers of blood or marrow transplant recipients. This supplement focuses on inflammatory markers, glucocorticoid sensitivity, and SNP analysis of GRs in caregivers of the parent grant.)
  
  $93,853 Current Year Direct Costs, 03/08/12 – 4/30/13

- 1 K07 AG030337  Program in Palliative Care Research Pilot Grant Award (Laudenslager, PI)
  
  “This is a study of the health services utilization, both medical and behavioral, by caregivers randomized to a psychosocial support program or treatment as usual.”
  
  $14,000 Current Year Direct Costs, 8/01/12 – 7/31/13

Erika Lunkenheimer received:

- K01 NIH/NICHD (Lunkenheimer, PI)
  
  Parent-Child Biobehavioral Coregulation and Child Maltreatment Risk
  
  $640,733, 2011-2016

Isabelle Buard received:

- Autism Speaks
  
  Multimodal neuroimaging of motor dysfunction in autism spectrum disorders.
  
  $114,000, 02/01/12-01/31/14

- UC Denver CCTSI
  
  Multimodal neuroimaging of motor dysfunction in autism spectrum disorders.
  
  $30,000, 04/12-03/13

Kenneth N. Maclean received:

- William R. Hummel Homocystinuria Research Fund
  
  Elucidating Pathogenesis in Homocystinuria: Towards the rational design of novel treatments.
  
  $120,000

**AWARDS RECEIVED**

Ann Halbower was inducted into the American Pediatric Society and received an award from Children’s Hospital Colorado Foundation, Flanigan Family Grant for SIDS research and Community Awareness.

Mark Laudenslager received The Norman Cousins Award presented by the PsychoNeuroImmunology Research Society (PNIRS) for contributions to the field of psychoneuroimmunology which includes a keynote presentation at the 2013 annual meeting in Stockholm, Sweden and a topical paper in Brain Behavior and Immunity.

Erika Lunkenheimer received the 2012 Tenure-Track Scholarly Excellence Award, College of Applied Human Sciences, Colorado State University.

Jun Wang received the Scholarship for Developmental, Child, and Family Psychology, from ICPSR Summer Program in Quantitative Methods of Social Research and the George A. Morgan Dissertation Fellowship, College of Applied Human Science, Colorado State University.
DPRG NEWSLETTER UPDATE FORM

In order to keep information in our newsletter and our records current, it is important to hear of the activities of our DPRG community members. To make that task easier, please use this form (attach additional sheets if necessary). We will include this information in an upcoming issue of the Newsletter.

Name:                            Phone #(s):
Title/Affiliation: 
Address: 
E-mail: 

1. Since the last issue of the newsletter was published, have you:
   
a. Presented posters/papers at any meetings, conferences, etc.?  (Please give date, location, name of conference, presentation title.)

b. Published any papers? (NOTE: Please list full citation. "In press" citations will not be printed in the Newsletter. Please include ONLY published material.)

c. Attended any conferences of interest to DPRG members?  (Please give date, location, and name of meeting.)

d. Received any awards, honors, recognition for your work? (Please give title of award, awarding agency and date that the award was given.)

2. Have you received funding for any research? (Please list sources, amount, dates and title of project.)

3. Do you know of any upcoming meetings that would be of interest to DPRG members and should be listed in the Newsletter?  (Please provide name, date, locations, and who to contact.)

Return form to: dprg@ucdenver.edu
THANKS!