Dear DPRG Community:

We are very pleased to invite you to join us for our seminar series for this academic year. In an effort to be responsive to feedback from our members, we have made a few changes, which include:

1. **NEW LOCATION:** DPRG seminars will now be held in an academic building on the Medical School campus (thus no need for Children’s Hospital Credentials to enter). Please join us in Room P18-1004 in RC1 on the ground floor between the Hensel Phelps Auditoriums.

2. **Seminars are held on the 2nd and 4th Tuesday of each month, beginning with social time at 9:30. Seminars begin at 10:00, with discussion continuing until 11:30. Beverages will be provided.** We are hopeful that this change will facilitate engagement for our non-hospital members and guests.

3. **NEW PARKING OPTIONS:** Free parking can now be obtained at the Henderson Parking Garage for off campus visitors. Payment vouchers and instructions for their use will be available at the seminars.

4. **NEW EXECUTIVE COMMITTEE:** Elections are coming up and we have several excellent candidates for the leadership of this research group. Please keep an eye out for voting-related emails and let us know your preferences. The next executive committee will be involved in the usual activities (i.e., reviewing DPEF grants, planning special events), and will be instrumental in a strategic planning process for the organization.

5. **NEW EXECUTIVE DIRECTOR:** Ken MacLean, Ph.D., Associate Professor of Pediatrics and long-term member of DPRG will be assuming the directorship in October of 2016. Thank you, Ken, for assuming the lead role at such an important time in the group’s history.

6. **MORE IMPLEMENTATION SCIENCE/TRANSLATIONAL MEDICINE FACULTY:** We have been reaching out to faculty from the Medical School, UC-Boulder, UC-Denver, CSU and University of Denver who are engaged in intervention science in real-life settings. We welcome new members from this area of study and look forward to hosting more seminars on these topics, which have been identified by our members as high interest areas.

Other aspects of DPRG remain very much the same, including:

**Continued use of ZOOM:** We will be streaming all seminars via Zoom videoconferencing.
MESSAGE FROM THE DIRECTOR (cont'd)

Opportunities to apply for DPEF mini grants: As you may recall, 50% or better attendance confers eligibility apply for DPEF funds (up to 7500), which are offered 4 times per year. Please see our website for details: http://www.ucdenver.edu/academics/colleges/medicalschool/departments/psychiatry/Research/DPRG/Pages/ApplicationforResearchFunds.aspx

Varied seminar schedule, with an emphasis on active learning through dialogue: As with previous academic years, we have tried to engage seminar leaders from both basic and applied aspects of developmental psychobiology research. We encourage seminar leaders to share works-in-progress, thus promoting interactive discussions and brainstorming. DPRG is grounded in a teaching mission, so we hope you will join us and share your input with our seminar leaders – even if they are studying something outside of your usual area of interest. Our goal is to bring people with a passion in scientific inquiry together to strengthen existing projects, build new collaborations and encourage cross-campus connections.

We hope you will join us for our seminar series. And let us know what you think of our new location and logistic arrangements.

Finally, I’d like to thank Mark Laudenslager, Christine Martin, Crystal Natvig, Linda Greco-Sanders and Melissa Sinclair for keeping our operation going. I’ve enjoyed my experiences as Executive Director and am grateful for all I’ve learned about the processes and complexities of collaborative science within DPRG. I look forward to supporting Ken as he takes the helm this fall. He seems uniquely able to make me laugh and think simultaneously, and that’s always a good thing.

Welcome back to DPRG!

Best.

Susan Hepburn
Executive Director 2013-2016

TRAINING PROGRAMS

Undergraduate Students
The NIMH-supported STARS summer undergraduate research training program brings students from rural community colleges across Colorado to the Anschutz Medical Campus and University of Denver to participate in research programs. STARS is a unique research program in which faculty mentors make a tangible impact on the career development of students and also benefit from the assistance of a summer intern. This past year was a great success with 6 DPRG faculty mentoring 9 students from Colorado Mountain College, Pueblo Community College and Northeastern Junior College. We are currently exploring new funding opportunities to take this program forward next year, and are actively seeking DPRG faculty members to be involved. If you are interested in being a faculty mentor, please contact Clare Paterson at clare.paterson@ucdenver.edu 303-724-4422, or Randy Ross at Randy.Ross@ucdenver.edu.
NIMH Postdoctoral Trainees: The T32 was resubmitted to NIMH in May and the training program is currently in a no-cost extension year, with two trainees staying on for a second year (Jen Waller and Garrett Cardon) and one finishing her third year (Kristy Howell).

We had a productive visit with the DPRG Retreat conference speakers for advice on the training program and the resubmission application. They met with program officials and the fellows before the conference began, and their counsel improved our renewal application.

New faculty members since the last report are Drs. Elaine Morrato, Judy Reaven and Nancy Whitesell. Ben Hankin has left DU for Illinois.

Trainees who finished the program include Heather Caballes, Erin Hambrick, and Korey Wylie. More detailed information will be included in the Annual Report in October.

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 2017 positions in the Postdoc Training Program (with hopes for the funding of the competing renewal). Because of the grant uncertainty, the deadline is being pushed back to January 2, 2017 and application information can be found on our web page, www.dprgpostdoc.org.

Location & Parking Information—Future Meetings will be held in Research 1, Room P18-1004. This is on the ground floor between the Hensel Phelps Auditoriums. There is no badge entry required in this space.

Anschutz Medical Campus

Parking Process
Visitors coming from other institutions should park in the Henderson Garage. We will have a limited number of parking vouchers available at the meeting, which can be used in lieu of payment upon exit.

ZOOM—New Meeting Number
We will continue to use Zoom to broadcast most of our seminars. However, we have a new meeting number, and the one from last year will no longer work. To access upcoming meetings go to: https://ucdenver.zoom.us/j/5154645418. Download the necessary software in advance from Zoom.com. Detailed instructions are posted on the DPRG website. To obtain credit for attendance, simply complete an evaluation and email to DPRG@ucdenver.edu.
DPRG SEMINAR SCHEDULE
FALL 2016

Please Note the New Location: All seminars are on Tuesdays from 10:00-11:45 AM in Room P18-1004, on the ground floor between the Hensel Phelps Auditoriums.

September 13
DPRG Kickoff Speaker:
Cancelled

September 27
Garrett Cardon, AuD, PhD, DPRG Post-doctoral Fellow, University of Colorado, Department of Psychiatry
Investigating neural biomarkers of sensory dysfunction in ASD.

(DPRG Executive Committee meeting immediately following the presentation in Research 2, Room P15-4104, Crnic Conference Room.)

October 11
DPRG Annual Business Meeting

October 25
Abigail Angulo, MD, Developmental Behavioral Pediatrics Fellow, University of Colorado, Department of Pediatrics
Cultural Relevance of the ASQ in Guatemala

November 8
Susan, Mikulich-Gilbertson, Associate Professor, University of Colorado, Department of Psychiatry
TBD

November 22
Seminar Cancelled Due To The Holiday Break

December 13
Jennifer Waller, PhD, DPRG Post-Doctoral Fellow, University of Colorado, Department of Psychiatry
TBD

(DPRG Executive Committee meeting immediately following the presentation in Research 2, Room P15-4104, Crnic Conference Room.)

December 27
Seminar Cancelled Due To The Holiday Break

Spring Schedule will be posted on the DPRG website.
Upcoming Meetings Of Interest

Native Children’s Research Exchange – September 29-30, 2016 – Nighthorse Campbell Building on the CU Anschutz campus. See www.ncreconnect.org for more information or contact Nancy Whitesell (nancy.whitesell@ucdenver.edu) or Michelle Sarche (michelle.sarche@ucdenver.edu) for information.

The 4th Annual Molecular Psychiatry Meeting, October 6th—9th in Maui, HI. For more information, please visit: http://www.molecularpsychiatry.net/


The 2016 World Congress of Psychiatric Genetics. October 30—November 3, 2016 in Jerusalem, Israel. For more information, please visit the website, https://ispg.societyconference.com

International Society for Developmental Psychobiology, 49th Annual Meeting, November 9-11, 2016 in San Diego, CA. For more information, please visit the website: http://www.isdp.org/current


American College of Neuropsychopharmacology, 55th Annual Meeting, December 4-8, 2016 in Hollywood, Florida. For further information, please visit: http://www.acnp.org/annualmeeting/default.aspx

Front Range Neuroscience Group, December 7, 2016, 9:30 am – 6:30 pm, CSU’s Lory Student Center. Contact stuart.tobet@colostate.edu for presentation deadlines and registration information.


Society for Research in Child Development, - April 7-9, 2017, Austin, TX, http://www.srcd.org/meetings/biennial-meeting


PsychoNeuroImmunology Research Society, June 7-10, 2017, in Galveston TX. http://www.psychosomatic.org/AnMeeting/MidYearMeeting2016.cfm

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

Pediatric Grand Rounds
Please visit this site for current schedule:
www.childrenscolorado.org/health-professionals/education/grand-rounds/

Pediatric Mental Health Institute Grand Rounds
Please visit the DPRG website for an updated PMHI 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 27th and December 13th immediately following the seminars in RC 2, P15-4104, Crnic Conf. Rm.

OTHER NEWS
We are currently working on our Spring 2017 DPRG Seminar schedule. Please contact Dr. Ken Maclean if you are interested in presenting.

PAPERS/POSTERS PRESENTED

Appel, Bruce, May 15-20, 2016, Gordon Research Conference on Myelin, Lucca, Italy, "Mechanisms of Myelin Sheath Growth and Stability During Axon Selection"


Browne, J. V. & Talmi, A. (2016, May). BAbIES and PreSTEPS: Preparation of interdisciplinary professionals to address developmental needs of newborns and young infants and their families. Workshop presented at the 15th World Congress of the World Association for Infant Mental Health, Prague, Czech Republic.


Kim, Pilyoung. (2016, August) Invited Address, How poverty gets into the developing brain, Teachers of Psychology in Secondary Schools (TOPSS), APA (American Psychological Association), Denver, CO


Kim, Pilyoung. (2016, April) 2016 Workshop on Deepening Connections between Neuroscience and Public Policy to Understand Poverty, University of Wisconsin – Madison, WI

Kim, Pilyoung. (2016, April) Invited speaker, DPRG (Developmental Psychobiology Research Group) Seminar, University of Colorado – Denver, Medical Campus, CO


Kim, Pilyoung. (2016, June) Invited Panelist, Ford Foundation Meeting, Titled: Using the Developmental Science to Address Inequality for Adolescents and Parents*, New York, NY


McClellan, B., Nowels, M., Herndon, J., Millar, M., Mohamed, I. & Talmi, A. (2015, August). Examining asthma treatment adherence and adversity factors in pediatric primary care. Poster presented at the Annual American Psychological Association Convention, Toronto, Ontario. Received a Society for Pediatric Psychology Division 54 Poster Award and Travel Award.

Montalvo Santiago, A., Ashby, B., Margolis, K., & Talmi, A. (2016, May). Understanding maternal concerns and developmental topics discussed in the 2-year well child visit at an adolescent mothers clinic. Poster presented at the Department of Psychiatry Junior Faculty and Fellow Poster Session, Aurora, CO.


Reaven, Judy, Facing Your Fears: A School Based Program. Invited three-day training sponsored by Ministry of Education, Singapore. 2015

Reaven, Judy, Facing Your Fears: Group Therapy for Managing Anxiety in Children with High-Functioning Autism Spectrum Disorders, Invited two-day training, New York University, New York, New York. 2015

Reaven, Judy, Facing Your Fears: Group Therapy for Managing Anxiety in Children with High-Functioning Autism Spectrum Disorders. Invited two-day training sponsored by University of New Brunswick – College of Extended Learning, Regina, Saskatchewan, Canada. 2016


Reaven, Judy, Facing Your Fears: Managing Fears in Everyday Life for Youth with Autism Spectrum Disorders, Invited Keynote, to the Kennedy Krieger Institute Annual Autism Conference, Baltimore, Maryland. 2015

Reaven, Judy, Facing Your Fears: Managing Anxiety Symptoms that Interfere in Everyday Life for Individuals with ASD. Facing Your Fears: Managing Anxiety Symptoms in Persons with ASD/ID: Invited presentation to the annual CARD state-wide conference, Albany, New York. 2015

Reaven, Judy, Group Cognitive Behavior Therapy for Children and Adolescents with Autism Spectrum Disorders and Anxiety. Invited two day training sponsored by St. James Hospital and Trinity College, Dublin, Ireland. 2015

Reaven, Judy, Group Cognitive Behavior therapy for Children and Adolescents with Autism Spectrum Disorders. Invited training to the Monarch House, Vancouver, Canada. 2015


Sannes, T.S., Mikulich-Gilbertson, S.M., Teresa L. Simoneau, T.L. and Laudenslager, M.L. Patient and Caregiver Well Being: Observation of Changing Dyad over time. [Accepted Abstract] A poster presentation to the 2015 Palliative Care in Oncology Symposium by the American Society of Clinical Oncology, Boston, MA.


Schwab Reese LM. Genetic and environmental factors in intimate partner violence. Invited oral presentation for the Injury and Violence Seminar Series for the Program for Injury Prevention, Education, & Research (PIPER); 2016 Apr 19; Aurora, CO

Schwab Reese LM. Social Media and internet-based technologies for public health surveillance. Invited oral presentation for the ISPCAN Working Group on Child Maltreatment Data Collection; 2016 Aug 27; Calgary, Alberta, Canada


Talmi, A. (2015, December). Project CLMB (Consultation Liaison in Mental Health and Behavior): Integrating behavioral health into pediatric primary care. Webinar presented through the Academic Innovations Collaborative, Harvard Medical School, Center for Primary Care, Boston, MA. https://hms.webex.com/hms/ldr.php RCID=ca9927819153eadc4f8137b0c1a56f7f


The role of Akt3 in neurocognitive dysfunction: Linking GWAS and function in schizophrenia. KR. Howell, PhD and AJ. Law, (WCBR). 2016.


PAPERS/BOOKS PUBLISHED


Cholesterol Biosynthesis Supports Myelin Gene Expression and Axon Ensheathment through Modulation of P13K/Akt/mTor Signaling.


*Equal Contributions


### RECENT CONFERENCES ATTENDED


Kubicek, Lorraine - 15th World Congress of the World Association for Infant Mental Health, May 29 to June 2, 2016, Prague, Czech Republic

Law, Amanda - Society of Biological Psychiatry

Morgan, George - June 2016, Stockholm, Sweden, International Society for Early Intervention

Talmi, Ayelet - American Psychological Association, August 2016, Denver, CO

Talmi, Ayelet - Pediatric Academic Societies Meeting, May 2016, Baltimore, MD

Talmi, Ayelet - Society for Pediatric Psychology Annual Conference, April 2016 Atlanta, GA
**FUNDING**

**Davis, Elysia**, received:

P50MH 096889, NIH/NIMH, NIMH Silvio O. Conte Center, Tallie Z. Baram (Center PI), **Davis, Elysia**. (Project 3 PI $2,215,840 (total costs)). Fragmented Early Life Environmental and Emotional/Cognitive Vulnerabilities. Project Period: 2013-2018 Award: $9,999,963 (total costs)

R01 HD065823, NIH/NICHD, **Davis, Elysia** (PI). Vulnerability to Prenatal Glucocorticoids Programs Infant Development Project Period: 2010-2016. Award: $2,540,324 (total costs)


R01 HD73491, NIH/NICHD, Mary Coussons-Read (PI), **Davis, Elysia** (Co-I). Mechanisms and Effects of Prenatal Maternal Affect on Pregnancy and Infant Development Project Period: 2013-2018

R21 HD078797, NIH/NICHD, Pilyoung Kim (PI), **Davis, Elysia** (Co-I). Poverty, Chronic Stress and Neural Regulation of Maternal Mood and Parenting, Project period (2014-2016). Award: $275,000 (direct costs)

**Law, Amanda**, received:

R01MH103716-01A1, NIH, NIMH, **Law, Amanda** (PI). Targets for Treating Schizophrenia: AKT in Neurodevelopment and Cognition. Effort 35%. (09/16/14-09/15/19). Annual direct costs. Year 1, $300,000; year 2, $270,000; year 3, $270,000; year 4, $270,000; year 5, $270,000. [http://grantome.com/grant/NIH/R01-MH103716-01A1](http://grantome.com/grant/NIH/R01-MH103716-01A1).


**Maclean, Ken** received:

ER stress and cognitive impairment in Down syndrome (LCI Grand Challenges in Down syndrome) The goal of this project is to investigate the role of misfolded protein accumulation and activation of Xbp1, ATF6 and impaired Proteasomal function in cholinergic neuron loss in Down syndrome. June2016– December 2016. $50,000.

William R. Hummel Homocystinuria Research Fund June 2015 ($50,000) Ken Maclean (PI). Understanding Pathogenesis in Homocystinuria, The goal of this project is to elucidate the pathogenic mechanisms that underlie atherogenesis, thrombosis, impaired cognition and connective tissue disorders in CBS deficient homocystinuria with a view towards the rational design of novel therapies.

**Morgan, George** received:

CSU Ventures, 2016-17, Development of a computer app for a school readiness tablet assessment of mastery motivation and executive function in 3 to 8-year olds, $10,000

**Mullin, Benjamin** received:

K23MH108640. National Institute of Mental Health. An Investigation of the Neural and Executive Function Underpinnings of Severe Worry Among Adolescents."

**Reaven, Judy** received:

Co-Investigator on a Organization for Autism Research Grant; $30,000 April 1, 2016 – March 30, 2017; PI: Audrey Blakeley-Smith, Ph.D. Pilot Study to Modify Facing Your Fears for Adolescents with ASD/IDD

**Sannes, Tim** received:

2016, The University of Colorado Department of Medicine Institutional Funds, **Sannes, Tim** (PI) Measuring Markers of Physiologic Stress at the Initiation of Palliative Care: A Feasibility Study Targeting the Dyadic Patient-Caregiver Relationship (The Care2 Study), $20,000

**Schwab Reese, Laura** received:

Yellow Ribbon Foundation, Runyan, C, (PI), **Schwab Reese, Laura** (Co-I). Mental Health Provider Perceptions of Suicide Training, 01/01/2016-06/31/2016. $6,500.

Public Health Agency of Canada, Fluke, J (PI), **Schwab Reese, Laura** (Co-PI), Emerging Technologies for Child Maltreatment Surveillance, 02/01/2016-05/01/2016. $7,000.
Talmi, Ayelet received:
The Colorado Health Foundation, Talmi, Ayelet (PI). First 1,000 Days, 06/01/16 – 05/31/18. $308,700.
Denver Foundation Colorado Health Access Fund

Talmi, Ayelet (Co-PI). Expanding Behavioral Health Treatment for Young Mothers, 06/01/16 – 05/31/19. $420,000.

Community First Foundation (PI), Integration of Behavioral Health in Pediatric Settings, 10/06/15 – 05/31/18. $1,640,500.

Whitesell, Nancy received:
PO 15JTPO0527. The Children’s Bureau, through ICFI. Evaluation Capacity Building Coach, Capacity Building Center for States. On behalf of the Children’s Bureau, this contract provides consultation to tribes with Title IV-E Waiver funding for child welfare programs to help the tribes evaluate their efforts to build local capacity for evaluating programmatic efforts. 10/20/2015 – 09/29/2016. $63,720.76.

Whitesell, Nancy received:
HHSN271201500717P. NIH/NIDA, Sarche, Michelle (PIs), NCRE Scholars: Mentoring Program for Career and Research Development of American Indian/Alaska Native Scholars This contract extends a Mentoring Program for Career and Research Development of American Indian/Alaska Native Scholars (HHSN271201200692P), supporting intensive career development activities for doctoral-level researchers and graduate students. 09/30/15 – 09/29/17, $150,000.

90PH0017/01. Administration for Children and Families. The American Indian and Alaska Native Head Start Child and Family Experiences Survey (AI/AN FACES), Whitesell, Nancy Rumbaugh (PI), Sarche, Michelle (PI). This contract is to help lead the AI/AN FACES Workgroup in planning the first national study of Head Start programs in tribal communities (Region XI), coordinating in-person and phone meetings, facilitating conversations across diverse groups of stakeholders, and lending scientific and cultural expertise to the study design, implementation, analysis, reporting, and dissemination. 2/8/2015-10/31/2016, $140,031

Hambrick, Erin, 2016 Phyllis Rae McGinley Champion for Children Award, ChildTrauma Academy

Hambrick, Erin, 2016 Martin Reite Post-Doctoral Research Award, Developmental Psychobiology Research Group

Kubicek, Lorraine, Trainee, Colorado Immersion Training in Community Engagement, Colorado Clinical and Translational Science Institute (CCTS)

Kubicek, Lorraine, Council Chair, Academy of ZERO TO THREE Fellows

Law, Amanda, Chartered member of NIH Pathophysiology of Mental Disorders and Additions Study Section, NIH scientific study section (2016-2020). Chartered by Director of the Center for Scientific Review, NIH.


Maclean, Ken, Ehst-Hummel-Kaufman Family Endowed Chair in Inherited Metabolic Disease. Inaugurated August, 2016, $2,000,000. This chair was established by a two-million-dollar endowment designed to provide critical resources to accelerate research and improve patient outcomes in homocystinuria under my direction as its first recipient.

Morgan, George - Asked to edit a special issue of the Hungarian Educational Research Journal on mastery motivation

Olds, David, Director of the Prevention Research Center for Family and Child Health, Professor of Pediatrics, Psychiatry, and Nursing is receiving The John Stearns Medal for Distinguished Contributions in Clinical Practice for developing the Nurse-Family-Partnership This is a program for first-time, low-income moms and their children which provides ongoing home visits from registered nurses to low-income, first-time moms.

Reaven, Judy, June 2016 - Dane G. Prugh Award for Outstanding and Inspirational Teaching in Child Psychiatry – UC-SOM

Sannes, Tim 2015; July; NIH Loan Repayment Award Recipient

Sannes, Tim 2016, March; American Psychosomatic Society Young Investigator Award

Talmi, Ayelet Received a Society for Pediatric Psychology Division 54 Poster Award and Travel Award.