

Division Details

Division Data Summary

Research and Training Details

| | |
|-----------------------------|-------------|
| Number of Faculty | 22 |
| Number of Research Fellows | 3 |
| Number of Research Students | 5 |
| Number of Support Personnel | 140 |
| Direct Annual Grant Support | \$1,651,689 |
| Peer Reviewed Publications | 29 |

Clinical Activities and Training

| | |
|----------------------------|--------|
| Number of Clinical Staff | 16 |
| Number of Clinical Fellows | 2 |
| Number of Other Students | 15 |
| Outpatient Encounters | 22,689 |

Division Photo



Row 1: S Oppenheimer, K Mason, D Schonfeld, D Murray, S Bishop, I Riddle
Row 2: K Edwards, P Manning, R Adams, M Zimmer, T Froehlich, H Castillo
Row 3: A Esbensen, S Wiley, R Parrish, J Anixt, P Logan, D Schor
Row 4: H Valentin, S Grether, R Gilman, R Gurwitch, J Ehrhardt

Significant Accomplishments

LEND Training Program

Karen Edwards, MD, MPH, who joined the Division as Director of Training in 2010, was awarded a \$4.6 million five-year grant from the HRSA Maternal and Child Health Bureau for continuation funding for the Leadership Education in Neurodevelopmental and Related Disabilities (LEND) Interdisciplinary Training Program. The LEND Program here is one of 43 nationwide. The program trains culturally competent, family-centered interdisciplinary leaders who will improve the health of infants, children, and adolescents with, or at risk for, developmental disabilities.

Autism Demonstration Classroom

Donna Murray, PhD, received over \$100,000 of funding from the Jack Rubinstein Foundation for Developmental Disabilities for the continued development of the Autism Demonstration Classroom, a collaborative project with the Kelly O'Leary Center for Autism Spectrum Disorders, Cincinnati Public Schools and Hamilton County Development Disabilities Services. The classroom is a unique resource, combining a Cincinnati Public School teacher and educational assistant with a specialized autism team from the O'Leary Center for an intensive two-year experience. In addition, the classroom served as a training site for more than 50 professionals and students from the region.

A Growing International Presence

The field of Developmental-Behavioral Pediatrics was first recognized in the United States as a subspecialty by the American Board of Pediatrics in 1999 (certification of the first group of sub-specialists was in 2003). Only a

few other countries have formally recognized this relatively new field. David Schonfeld, MD, Division director, was invited in 2011 to provide keynote addresses at the first national conferences in Developmental-Behavioral Pediatrics in Ankara, Turkey in April and Shanghai, China in October. Our division continues to host international trainees who are seeking to establish or expand the field in other countries.

Division Publications

1. Adams RE, Santo JB, Bukowski WM. **The presence of a best friend buffers the effects of negative experiences.** *Dev Psychol.* 2011; 47:1786-91.
2. American Academy of Pediatrics. Council on Environmental Health, Admirim T, Schonfeld D, Shannon M. **Environmental disasters.** *Pediatric environmental health.* Elk Grove Village, IL: American Academy of Pediatrics; 2012:757-769.
3. Anixt JS, Copeland-Linder N, Haynie D, Cheng TL. **Burden of unmet mental health needs in assault-injured youths presenting to the emergency department.** *Acad Pediatr.* 2012; 12:125-30.
4. Bishop SL, Guthrie W, Coffing M, Lord C. **Convergent validity of the Mullen Scales of Early Learning and the differential ability scales in children with autism spectrum disorders.** *Am J Intellect Dev Disabil.* 2011; 116:331-43.
5. Bishop SL, Lahvis GP. **The autism diagnosis in translation: shared affect in children and mouse models of ASD.** *Autism Res.* 2011; 4:317-35.
6. Blum NJ. **The Developmental-Behavioral Pediatrics Research Network: another step in the development of the field.** *J Dev Behav Pediatr.* 2012; 33:78-83.
7. Case-Smith J, Holland T, Bishop B. **Effectiveness of an integrated handwriting program for first-grade students: a pilot study.** *Am J Occup Ther.* 2011; 65:670-8.
8. Castillo J, Castillo H, DeWitt TG. **Opportunities in global health education: a survey of the virtual landscape.** *J Grad Med Educ.* 2011; 3:429-432.
9. Epstein JN, Langberg JM, Rosen PJ, Graham A, Narad ME, Antonini TN, Brinkman WB, Froehlich T, Simon JO, Altaye M. **Evidence for higher reaction time variability for children with ADHD on a range of cognitive tasks including reward and event rate manipulations.** *Neuropsychology.* 2011; 25:427-41.
10. Esbensen AJ. **Families of individuals with intellectual disability and comorbid mental health problems.** *Journal of Mental Health Research in Intellectual Disabilities.* 2011; 4:140-157.
11. Esbensen AJ, Seltzer MM, Krauss MW. **Life course perspectives in intellectual disability research: The case of family caregiving.** *The Oxford handbook of intellectual disability and development.* New York: Oxford University Press; 2012:380-391.
12. Fredstrom BK, Rose-Krasnor L, Campbell K, Rubin KH, Booth-Laforce C, Burgess KB. **Brief report: how anxiously withdrawn preadolescents think about friendship.** *J Adolesc.* 2012; 35:451-4.
13. Froehlich TE, Anixt JS, Loe IM, Chirdkiatgumchai V, Kuan L, Gilman RC. **Update on environmental risk factors for attention-deficit/hyperactivity disorder.** *Curr Psychiatry Rep.* 2011; 13:333-44.
14. Froehlich TE, Epstein JN, Nick TG, Melguizo Castro MS, Stein MA, Brinkman WB, Graham AJ, Langberg JM, Kahn RS. **Pharmacogenetic predictors of methylphenidate dose-response in attention-deficit/hyperactivity disorder.** *J Am Acad Child Adolesc Psychiatry.* 2011; 50:1129-1139 e2.
15. Korostenskaja M, Pardos M, Kujala T, Rose DF, Brown D, Horn P, Wang Y, Fujiwara H, Xiang J, Kabbouche MA, Powers SW, Hershey AD. **Impaired auditory information processing during acute migraine: a magnetoencephalography study.** *Int J Neurosci.* 2011; 121:355-65.
16. Krug SE, Needle S, Schonfeld D, Aird L, Hurley H. **Improving pediatric preparedness performance through strategic partnerships.** *Disaster Med Public Health Prep.* 2012; 6:94-6.

17. Lord C, Petkova E, Hus V, Gan W, Lu F, Martin DM, Ousley O, Guy L, Bernier R, Gerdtts J, Algermissen M, Whitaker A, Sutcliffe JS, Warren Z, Klin A, Saulnier C, Hanson E, Hundley R, Piggot J, Fombonne E, Steiman M, Miles J, Kanne SM, Goin-Kochel RP, Peters SU, Cook EH, Guter S, Tjernagel J, Green-Snyder LA, Bishop S, Esler A, Gotham K, Luyster R, Miller F, Olson J, Richler J, Risi S. **A multisite study of the clinical diagnosis of different autism spectrum disorders.** *Arch Gen Psychiatry.* 2012; 69:306-13.
18. Pfefferbaum B, Flynn BW, Schonfeld D, Brown LM, Jacobs GA, Dodgen D, Donato D, Kaul RE, Stone B, Norwood AE, Reissman DB, Herrmann J, Hobfoll SE, Jones RT, Ruzek JI, Ursano RJ, Taylor RJ, Lindley D. **The integration of mental and behavioral health into disaster preparedness, response, and recovery.** *Disaster Med Public Health Prep.* 2012; 6:60-6.
19. Pfefferbaum B, Schonfeld D, Flynn BW, Norwood AE, Dodgen D, Kaul RE, Donato D, Stone B, Brown LM, Reissman DB, Jacobs GA, Hobfoll SE, Jones RT, Herrmann J, Ursano RJ, Ruzek JI. **The H1N1 crisis: a case study of the integration of mental and behavioral health in public health crises.** *Disaster Med Public Health Prep.* 2012; 6:67-71.
20. Rosen PJ, Froehlich TE, Langberg JM, Epstein JN. **Assessment of problems comorbid with attention deficit hyperactivity disorder.** *Treating Attention Deficit Hyperactivity Disorder Assessment and Intervention in Developmental Context.* Kingston, NJ: Civic Research Institute; 2011:2-19.
21. Saldana SN, Hooper DK, Froehlich TE, Campbell KM, Prows CA, Sadhasivam S, Nick TG, Seid M, Vinks AA, Glauser TA. **Characteristics of successful recruitment in prospective pediatric pharmacogenetic studies.** *Clin Ther.* 2011; 33:2072-81.
22. Schonfeld D, Gurwitsch R. **Children in disasters.** *Textbook of Clinical Pediatrics.* New York: Springer-Verlag; 2011:687-698.
23. Schonfeld DJ. **Ten years after 9/11: what have we (not yet) learned?.** *J Dev Behav Pediatr.* 2011; 32:542-5.
24. Stanton B, Castillo J. **Brief overview of United States involvement in global health training since World War II.** *J Pediatr.* 2012; 160:1-2 e1.
25. Walker KMM, Brown DK, Scarff C, Watson C, Muir P, Phillips DP. **Temporal processing performance, reading performance, and auditory processing disorder in learning-impaired children and controls.** *Canadian Journal of Speech-Language Pathology and Audiology.* 2011; 35:6-17.
26. Wiley S, Meizen-Derr J, Grether S, Choo DI, Hughes ML. **Longitudinal functional performance among children with cochlear implants and disabilities: a prospective study using the Pediatric Evaluation of Disability Inventory.** *Int J Pediatr Otorhinolaryngol.* 2012; 76:693-7.
27. Yin H, Boyd T, Pacheco MC, Schonfeld D, Bove KE. **Rectal Biopsy in Children with Down Syndrome and Chronic Constipation: Hirschsprung Disease vs Non-Hirschsprung Disease.** *Pediatr Dev Pathol.* 2012; 15:87-95.
28. Zhu HJ, Brinda B, Froehlich TE, Markowitz JS. **A discriminative analytical method for detection of CES1A1 and CES1A2/CES1A3 genetic variants.** *Pharmacogenet Genomics.* 2012; 22:215-8.
29. Zimmer MH, Hart LC, Manning-Courtney P, Murray DS, Bing NM, Summer S. **Food variety as a predictor of nutritional status among children with autism.** *J Autism Dev Disord.* 2012; 42:549-56.

Faculty, Staff, and Trainees

Faculty Members

David Schonfeld, MD, Professor

Leadership Director, Division of Developmental and Behavioral Pediatrics

Research Interests Children's understanding of serious illness (e.g., AIDS, cancer) and death and school-

based interventions to advance children's understanding and adjustment and to prevent the onset of risk behaviors

Sonya Oppenheimer, MD, Professor Emeritus

Research Interests Spina Bifida; High-Risk Infants; Early Intervention; Down Syndrome

Ryan Adams, PhD, Assistant Professor

Research Interests Adolescent relationships (i.e. friendships, mother-child, romantic relationships); peer groups, peer victimization, & peer experiences of obese adolescents and adolescents w/autism spectrum disorder

Julia Anixt, MD, Assistant Professor

Research Interests ADHD; the diagnosis and management of behavioral and mental health issues in primary care settings, access to care for underserved populations

Somer Bishop, PhD, Assistant Professor

Research Interests Autism spectrum disorders, assessment methodology, identification and measurement of social-behavioral phenotypes across disorders and development

Heidi Castillo, MD, Assistant Professor

Research Interests Spina Bifida

Tanya Froehlich, MD, Assistant Professor

Research Interests ADHD; Health Care Disparities

Richard Gilman, PhD, Associate Professor

Leadership Coordinator, DDBP Psychology and Special Education Services

Research Interests Social relationships of children diagnosed with various disabilities; Therapeutic change mechanisms; Sleep and ADHD; Perfectionism

Robin Gurwitch, PhD, Professor

Leadership Coordinator, National Center for School Crisis and Bereavement

Research Interests Understanding impact of trauma and disaster in children, including terrorism; Issues surrounding school crisis and bereavement; Parent-Child Interaction Therapy

Karen Edwards, MD, MPH, Associate Professor

Leadership LEND Program Director/UCEDD Director

Research Interests Leadership training; developmental disabilities in childhood; early identification of developmental disabilities

Kimberly Kroeger-Goepfinger, PhD, Assistant Professor

Research Interests Early intensive behavioral intervention; Group intervention; Social skills

Patricia Manning-Courtney, MD, Adjunct

Leadership Medical Director, Kelly O' Leary Center for Autism Spectrum Disorders

Research Interests Autism and Quality Improvement Access Services

Karen Mason, MD, Assistant Professor

Philip Mattheis, MD, Associate Professor

Research Interests Creation of and support for a collaborative network of Down Syndrome clinics to address a number of unresolved questions about common medical problems in Down syndrome

Donna S. Murray, PhD, Assistant Professor

Leadership Director of Treatment, Kelly O' Leary Center for Autism Spectrum Disorders, Clinical Director,

Division of Developmental and Behavioral Pediatrics

Research Interests Face/Name recognition; Play in a sibling pair in which one child was diagnosed with ASD; joint attention and language in children with ASD

Roz Parrish, MSN, Assistant Professor

Research Interests Interdisciplinary Training

David Schor, MD, Adjunct

Harriet Valentin, MD, Adjunct

Research Interests Autism Spectrum Disorder

Susan Wiley, MD, Adjunct

Research Interests Hearing Impairment

Michelle Zimmer, MD, Assistant Professor

Research Interests Utility of holistic therapies in promoting health and wellness among children with disability

Clinical Staff Members

- **Robin Adams, PhD**
- **Terry Barnes, RN, BSN**
- **Jennifer Bass, PsyD**
- **Jennifer Bekins, MS, CCC-SLP**
- **Christena Benson, RN, MPH**
- **Beth Bishop, OTR/L**
- **Carissa Blatz, BA**
- **Emily Boehmler, BA**
- **Annette Bonjour, BS, CCLS**
- **Jennifer Brown, PhD, CCC-SLP**
- **Karen Burkett, RN, MS, CNP**
- **Meredith Burt, MS, CCC-SLP**
- **Jenny Burton, MEd, CCC-SLP**
- **Gretchen Carroll, MA**
- **Deb Case, EdD**
- **Cliff Copeland, MSW, LISW-S, Social Worker II**
- **Kristn Currans, PsyD**
- **Patricia Curry, RN, MS, CNP**
- **Kerry Dalton, RA**
- **Brenda Diver, RN**
- **Jamie Donovan, OTR/L, MOT**
- **Mattie Dunn, AA**
- **Patricia Eiler-Sims, PsyD**
- **Anna Esbensen, PhD**
- **Melissa Foti-Hoff, PsyD**
- **Katie Frank, MHS, OTR/L**
- **Bridget Fredstrom, MA**
- **Jane Gaspar, MEd**
- **Jennifer Gastright, BS**
- **Marta Getz, MSW, LISW**

- Carol Grasha, MA, CCC-SLP
- Sarah Greenwell, PhD
- Sandra Grether, PhD, CCC-SLP,
Coordinator of Speech Pathology, Division of Developmental and Behavioral Pediatrics
- Andrea Hansen, MA, CCC-SLP
- Mary Harrah, RN, BSN, cpn
- Sarah Hayes, BA
- Tara Heini, MSW
- Amy Hersh, MA, CCC-SLP
- Julie Hibner, MA, CCC-SLP
- Victoria Hickey, RN, MS
- Caryn Hogan, RN, MN
- Amy Johnson, OTR/L
- Heather Johnson, PsyD
- Peter Keiser, MSW, LISW
- Bridget Kent, MA, CCC-SLP
- Marc Kepner, PsyD
- Kathy Krebs, OTR/L
- Marcia Lamkin, RN
- Peggy Landwehr, RN
- Latoya Lemley, AA
- Mike Lind, PhD
- Patricia Logan, PhD
- Cynthia Longmire, HUC
- Patty Loretto, RN
- Ryan Macks, PhD
- Molly Markley, RN, BSN
- Stacy Masterson, MEd
- Heather Matheson, BA
- Susan McGee, RN, MSN, CNP
- Teri Messerschmidt, MA, CCC-SLP
- Joe Milling, BS
- Terry Mitchell, CCRP
- Robert Moody, MA
- Michelle Moore, DBMMA
- Ashley Morris, PCA
- Stacey Morrison, PsyD
- Elizabeth Mulvihill, RN
- Lindsey Murphy, BS, CCLS
- Shelley Myers, MS, CCC-SLP
- David Neises, MEd, OTR/L, ATP
- Patty Norton, RN
- Andrea O'Brien, PhD, MSW
- Lucy Paredes, RN, BSN
- Julie Perron, BA
- Chandra Pester, RN, MSN, CNS

- **Jannel Phillips, PhD**
- **Mindy Reagan, RD, LD**
- **Judy Reinhold, RN, MSN, CNP**
- **Kimberly Reizner, PT, DPT**
- **Mary Faith Roell, MS**
- **Christina Rogers, MA, CCC-SLP**
- **Kathy Rosing, RN**
- **Kimberly Rotundo, MEd**
- **Julia Schott, DBMMA**
- **Tracy Shook, RN, BSN**
- **David Smith, PhD**
- **Kristen Smith, MA, CCC-SLP**
- **Rena Sorensen, PhD**
- **Meghan Stahlhut, MS, CCC-SLP**
- **Christina Stover, MA, CCC-SLP**
- **Rebecca Taylor, RN, MSN, CNP**
- **Laura Thielman, BA**
- **Katherine Thoman, RN, MSN, CNP**
- **Carrie Thomas, BS**
- **Kelly Twehues, MA, CCC-SLP**
- **Sarah Tyo, BA**
- **Megan Vincent, BA**
- **Jack Williams, BA**
- **Ann Wilmers, RN**

Trainees

- **Amanda Ball, BS**, The Ohio State University
- **Katherine Baum, MA**, Northern Kentucky University
- **Beck Candace, PsyM**, Wright State University
- **Kathryn Beerman, BS**, Miami University
- **Deborah Boyd, MD**, Cincinnati Children's Hospital Medical Center
- **Jonathan Castillo-Porter, MD**, Cincinnati Children's Hospital Medical Center
- **Alana Cecchi, BS**, Michigan State University
- **Vilawan Chirdkiatgumachai, MD**, Mahidol University
- **Charles Coey, MS**, Illinois State University
- **Mary Dillhoff, BA**, University of Cincinnati
- **Eileen Dolan, MD**, Morristown Memorial Hospital
- **Amie Duncan, PhD**, University of Alabama
- **Allison Flynn, BS**, Miami University
- **Maureen Grainger, BS**, The Ohio State University
- **Lesly Hendershot, PsyD**, Xavier University
- **Lucinda Hurst, BS**, Miami University
- **Kelly Isaacs, BA**, University of Cincinnati
- **Lisa Jacola, MS**, Wright State University
- **Tonia Jones, BSN**, Northern Kentucky University
- **Abbey Kent, DPT**, Des Moines University

- **Emily King, BA**, University of Missouri - Columbia
- **Katherine Krohn, PhD**, University of Tennessee
- **Lisa Kuan, MD**, University of Chicago
- **Leslie Markowitz, PsyM**, Wright State University
- **Christie Melick, BSW**, Miami University
- **Lindsey Ohler, MA**, Xavier University
- **Brian Olsen, MA**, University of Cincinnati
- **Jennifer Phelan, BA**, The University of Scranton
- **Alexis Pittenger, MA**, Xavier University
- **Elizabeth Reilly, BS**, Xavier University
- **Janet Seide, BS**, Fashion Institute of Technology
- **Laura Solomon, PsyM**, Wright State University
- **Laura Srivorakiat, MA**, Xavier University
- **Erin Stallons, DPT**, Ohio University
- **Evangelia Romero, BA**, University of Cincinnati
- **Karin Vanderzee, MA**, Miami University
- **Jennifer Wilhelm, BS**, University of Dayton
- **Pam Williams-Ayra, MD**, Cincinnati Children's Hospital Medical Center

Grants, Contracts, and Industry Agreements

Grant and Contract Awards Annual Direct

BISHOP, S

Longitudinal Studies of Autism Spectrum Disorders: 2 to 23

National Institutes of Health(Cornell University)

R01 MH 081873

12/09/11-05/31/13

\$55,898

CASTILLO, H

National Spina Bifida Registry Longitudinal Data Collection and Evaluation

Centers for Disease Control and Prevention

U01 DD 000766

09/30/11-06/29/14

\$45,455

EDWARDS, K

Act Early Ambassador Project

Association of University Center on Disabilities

07/01/11-06/30/12

\$4,000

Leadership Education in Neurodevelopmental and Other Related Disabilities (LEND) Training Program

Health Resources & Services Administration(University of Cincinnati)

T73-MC00032

07/01/11-06/30/16

\$540,676

UCEDD Program

Administration on Development Disabilities(University of Cincinnati)

90 DD0638

07/01/02-06/30/13

\$441,103

Improving Services for Children and Youth with ASD and Other Developmental Disabilities

Health Resources & Services Admin(Ohio Department of Developmental Disabilities)

HCMMC22849

02/10/12-06/30/13

\$29,792

FROELICH, T

Medication Response in Children with Predominantly Inattentive Type ADHD

National Institutes of Health

K23-MH-083881 06/04/09-01/31/14 \$160,904

GILMAN, R

Using SNA to Examine the Long-Term Outcomes of Socially Excluded Adolescents

National Institutes of Health

R21 HD 068315 04/01/12-03/31/14 \$140,083

MANNING, P

Autism Intervention Research Network

Health Resources & Services Admin(Massachusetts General Hospital)

UA3 MC 1105 09/01/11-08/31/14 \$46,789

Autism Treatment Network

Autism Speaks Grant Administration

01/10/11-12/31/13 \$121,739

Center for Genomic & Phenomic Studies in Autism

National Institutes of Health(Autism Speaks Grant Administration)

06/01/11-05/31/12 \$65,250

Current Year Direct \$1,651,689

Service Collaborations

ADAMS, R

Procter & Gamble \$180,000

SCHONFELD, D

Boys & Girls Clubs \$40,000

Current Year Direct \$220,000

Total \$1,871,689