

## Behavioral Medicine and Clinical Psychology

### Division Photo



Front row: J. Cyran, P. Crawford, I. Parkins, J. McClure, T. Proano-Raps, R. Nestheide, R. Ammerman; Second row: J. Carey, A. Modi, L. Stark, S. Powers, D. Ris; Third row: A. Moser, J. Noll, M. Nortz, L. Crosby, S. Chertock; Fourth row: S. Kashikar-Zuck, W. Lopez, D. Drotar, A. Pai, M. Ernst, J. Epstein; Fifth row: A. Lynch-Jordan, J. Myers, M. Mitchell, K. Hommel, H. Roehrig; Sixth row: J. Langberg, D. Beebe, K. Hood, B. Sirbu

Missing: K. Byars, L. Endres, R. Loren, B. LeJeune, C. Piazza-Waggoner, P. Ryan, B. Smolyansky, N. Walz, M. Zeller, J. Brewer, R. Kniskern, L. Merk, E. Pearl, J. Schultz

### Division Data Summary

#### Research and Training Details

Number of Faculty	30
Number of Joint Appointment Faculty	1
Number of Research Fellows	8
Number of Support Personnel	66
Direct Annual Grant Support	\$5,357,592
Peer Reviewed Publications	74

#### Clinical Activities and Training

Number of Clinical Staff	13
Number of Clinical Fellows	3
Number of Clinical Students	3
Number of Other Students	28
Inpatient Encounters	2,548
Outpatient Encounters	29,752

## Faculty Members

**Lori J. Stark, PhD**, Professor ; *Division Director*

**Research Interests:** Improving health and nutritional outcomes of children with chronic conditions including cystic fibrosis and obesity through behavioral interventions

**Robert Ammerman, PhD**, Professor ; *Scientific Director, Every Child Succeeds*

**Research Interests:** Development of early childhood preventive interventions to promote optimal child development and reduce negative behavioral and health outcomes.

**Dean Beebe, PhD**, Associate Professor Clinical

**Research Interests:** Investigating the daytime cognitive and behavioral effects of pediatric sleep problems

**Kelly Byars, PhD**, Associate Professor Clinical

**Research Interests:** The assessment and treatment of pediatric insomnia and pediatric obstructive sleep apnea.

**Peggy A. Crawford, PhD**, Assistant Professor Clinical

**Research Interests:** Understanding individual and family factors associated with better outcomes in children with diabetes

**Lori Crosby, PhD**, Associate Professor Clinical ; *Director O'Grady Residency Program in Psychology*

**Research Interests:** Understanding psychosocial factors as they impact sickle cell disease, adherence, anxiety, adolescents, health disparities

**Dennis Drotar, PhD**, Professor ; *Director, Center for the Promotion of Treatment Adherence*

**Research Interests:** Understanding and improving adherence to treatment in pediatric chronic illness

**Jeffrey N. Epstein, PhD**, Associate Professor ; *Director, Center for ADHD*

**Research Interests:** Improving health and behavioral outcomes of children with ADHD through development and dissemination of evidence-based treatments

**Michelle Ernst, PhD**, Assistant Professor Clinical ; *Director, Consultation Liaison Services*

**Research Interests:** Clinical effectiveness of pediatric psychology interventions within the inpatient pediatric setting.

**Kevin Hommel, PhD**, Research Assistant Professor

**Research Interests:** Improving adherence to treatment regimens in pediatric inflammatory bowel disease, eosinophil and associated gastrointestinal disorders

**Korey Hood, PhD**, Research Assistant Professor

**Research Interests:** Investigation of the impact of psychological and family factors on type 1 diabetes management and outcomes, the biologic and environmental links between depression and type 1 diabetes

**Susmita Kashikar-Zuck, PhD**, Associate Professor

**Research Interests:** Psychosocial issues and behavioral treatment of pediatric chronic pain

**Joshua Langberg, PhD**, Research Assistant Professor

**Research Interests:** Development of effective treatments for adolescents with ADHD

**Richard Loren, PhD**, Assistant Professor Clinical

**Research Interests:** Dissemination of effective treatments for ADHD

**Anne Lynch-Jordan, PhD**, Assistant Professor Clinical

**Research Interests:** Understanding the role of pain expression and factors contributing to decreased functioning such as school attendance/absences in the pediatric chronic pain population.

**Monica J. Mitchell, PhD**, Assistant Professor Clinical

**Research Interests:** To develop culturally-appropriate, family-based interventions for children with sickle cell disease and children with other pediatric conditions, and to improve health outcomes in children

**Avani C. Modi, PhD**, Research Assistant Professor

**Research Interests:** Examining adherence to medical regimens for children with chronic illnesses (e.g., epilepsy, cystic fibrosis) and its impact on health outcomes

**Jennie G. Noll, PhD**, Associate Professor ; *Director, Data Core*

**Research Interests:** Understanding long-term bio-psycho-social sequelae of childhood abuse

**Marsha Nortz, PhD**, Assistant Professor Clinical

**Research Interests:** Understanding neurobehavioral outcomes following childhood cancer, pediatric traumatic brain injury, and their clinical interventions

**Lisa Opiari-Arrigan, PhD**, Adjunct Associate Professor

**Research Interests:** Improving health outcomes and quality of life for pediatric patients with chronic illnesses

**Ahna Pai, PhD**, Research Assistant Professor

**Research Interests:** Understanding and improving adherence to transplant regimens including solid organ, stem cell and bone marrow

**Erica Pearl, PsyD**, Instructor Clinical

**Research Interests:** Developing and disseminating evidence-based interventions for children exposed to violence

**Carrie Piazza-Waggoner, PhD**, Assistant Professor Clinical

**Research Interests:** Understanding the impact of family functioning and chronic illness outcomes

**Scott Powers, PhD**, Professor ; *Director, Fellowship Program*

**Research Interests:** Two primary foci, Child Behavior and Nutrition and Pediatric Pain

**Douglas Ris, PhD**, Professor ; *Director, Neuropsychology Program*

**Research Interests:** Investigating the neurobehavioral outcomes of children treated for brain tumors and those exposed to lead

**Helmut Roehrig, PhD**, Assistant Professor Clinical

**Research Interests:** Pediatric obesity determinants and treatment, adolescent pregnancy after bariatric surgery

**Patricia Ryan, PhD**, Adjunct Assistant Professor

**Research Interests:** Understanding radiation late-effects in treatment for pediatric brain tumors

**Janet R. Schultz, PhD**, Adjunct Associate Professor

**Nicolay Walz, PhD**, Assistant Professor Clinical

**Research Interests:** Understanding and improving child and family outcomes following traumatic brain injury

**Meg Zeller, PhD**, Adjunct Associate Professor

**Research Interests:** Psychosocial outcomes of pediatric obesity and adolescent bariatric surgery

## Joint Appointment Faculty Members

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**Richard Ittenbach, PhD**, Associate Professor

Division of Biostatistics and Epidemiology

Measurement of treatment adherence, research bioethics, and mixed methods studies, particularly as they relate to study and design-related issues

## Clinical Staff Members

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- James Brewer, EdD
- Joanne Carey, PhD
- Sanford Chertock, PhD
- Linda Endres, PhD
- Jessica McClure, PsyD
- Wendi Lopez, PsyD
- Lynne Merk, PhD
- Ann Moser, PhD
- James Myers, PhD
- Robert Nestheide, PhD
- Tara Proano-Raps, PsyD
- William Sirbu, PhD
- Beverly Smolyansky, PhD

## Trainees

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- Richard Boles, PhD, PL-2, University of Kansas
- Brenna LeJeune, PhD, PL-2, Indiana University
- Irina Parkins, PhD, PL-2, University of Cincinnati
- Sandra Cortina, PhD, PL-1, University of Iowa
- Jessica Martin, PhD, PL-1, Southern Illinois University
- Jennifer Potter, PhD, PL-1, University of Cincinnati
- Chad Shenk, PhD, PL-1, University of Nevada-Reno
- Shalanda Slater, PhD, PL-1, University of Florida
- Stephanie Spear, PhD, PL-1, University of Nevada-Reno

- **Jessica Valenzuela, PhD**, PL-1, University of Miami
- **Laura Williams, PhD**, PL-1, University of Florida

## **Significant Accomplishments in FY08**

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### **Center for ADHD Improves Use of Evidence-Based Guidelines by Community Physicians**

The American Academy of Pediatrics (AAP) has established a set of consensus guidelines for the care of children with Attention Deficit Hyperactivity Disorder (ADHD). These guidelines can be challenging to implement. The CCHMC Center for ADHD has developed a program called the ADHD Collaborative to promote the adoption of these guidelines among community pediatricians. The program focuses on modifying the office system using academic detailing and quality improvement (QI) methodology to accommodate prescribed practice changes. The ADHD Collaborative has trained over 200 physicians at over 50 practices in the Greater Cincinnati area. Significant improvements in the quality of ADHD care as a result of the ADHD Collaborative training have been documented (Epstein et al., 2008, *Pediatrics*). The Center for ADHD has been working on adapting the ADHD Collaborative intervention model for widespread dissemination. The didactic trainings with physicians and interactive office flow modification sessions have been modified for internet-delivery. Further, an online web portal has been developed that allows pediatricians to create an ADHD patient registry, collect, score, and interpret parent and teacher rating scales, communicate with parents and teachers, track patient outcomes, and monitor their own ADHD-related practice behaviors. With funding from NIH and the CCHMC Health Outcomes initiative, the Center for ADHD is testing the dissemination of the ADHD Collaborative intervention in Dayton, OH and Omaha, NE. After the effectiveness, satisfaction, and cost utility of the transportable version of the ADHD Collaborative intervention have been demonstrated, efforts will be made for a widespread dissemination of this intervention model. Widespread dissemination will be aided by the fact that the ADHD Collaborative intervention has recently been approved as an American Board of Pediatrics-approved "Performance in Practice" activity which will be a future requirement for most pediatricians applying for re-credentialing.

### **CCHMC Establishes the First Center of Its Kind to Improve Adherence to Treatment for Children with Chronic Disorders**

The Center for Treatment Adherence and Self Management was developed in 2007 to address the need to develop cutting edge science, clinical care, and training programs that address the critical problem of non-adherence to chronic illnesses treatment, which has high prevalence, impact on clinical care, and scientific significance. Led by Dr Dennis Drotar, a nationally recognized expert in the field of pediatric psychology, and adherence faculty, top young scientists have been recruited to develop research programs in pediatric treatment adherence. Center faculty research programs have generated 1.3 million in NIH support and produced 37 peer-reviewed publications and 21 in press in 2007. Center faculty investigator initiated research encompasses a range of NIH priorities, family influences including the impact of maternal and child depression to adherence to treatment and metabolic control in adolescents with Type 1 diabetes; predictors of adherence treatment in new onset epilepsy; measurement and prediction of treatment adherence in inflammatory bowel disease; family illness management responsibilities and adherence to renal transplantation treatment, and a randomized trial of family problem solving to promote adherence to maintenance therapy in adolescents with leukemia. Adherence Center faculty are also collaborating with CCHMC faculty on innovative interventions to promote adherence to treatment for asthma, juvenile rheumatoid arthritis, and sickle cell disease through the use of computer and cell phone technology in combination with behavioral approaches, such as motivational interviewing.

## **Significant Publications in FY08**

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**Kahana S, Drotar D, & Frazier T (2008) Meta-analysis of psychological interventions to promote adherence to treatment in pediatric chronic health conditions. *The Journal of Pediatric Psychology*. 33, 590-611.**

The first and only meta-analysis in the area of adherence. Describes effective interventions and future directions for the field of adherence research

**Kashikar-Zuck, S, Lynch AM, Graham TB, Swain NF, Mullen S & Noll RB (2007). Social functioning and peer relationships of adolescents with juvenile fibromyalgia syndrome. *Arthritis Care and Research*. 57(3), 474-480**

The first controlled study of peer and social functioning in adolescents suffering from juvenile fibromyalgia syndrome and demonstrated that adolescents with fibromyalgia experience significant social isolation difficulties with peer relationships.

**Epstein JN, Langberg JM, Lichtenstein PK, Mainwaring BA, Luzader CP, & Stark LJ (2008) A community-wide intervention to improve the ADHD assessment and treatment practices of community physicians. *Pediatrics*, 122, 19-27.**

One of the first studies to report a successful intervention strategy for disseminating evidence-based guidelines into practice for ADHD.

**Noll, JG, Zeller, ME, Trickett, PK & Putnam, FW. Obesity risk for female victims of childhood sexual abuse: A prospective study: *Pediatrics*, 2007; 120(1):e61-e67.**

This is the first prospective evidence that childhood sexual abuse is directly related to high-risk BMI growth trajectories and obesity. This issue had been highly controversial as all previous evidence was derived from cross-sectional studies relying on retrospective reports of abuse and has direct implications for clinical practice such that integrating knowledge regarding abuse histories and family violence may improve health outcomes for patients and should be considered an integral part of routine health care.

**Beidel DC, Turner SM, Sallee FR, Ammerman RT, Crosby LA, & Pathak SJ (2007). SET-C vs. fluoxetine in the treatment of childhood social phobia. *Journal of the American Academy of Child and Adolescent Psychiatry*, 46, 1622-1632.**

This is the first clinical trial to contrast a behavioral and pharmacological treatment for social phobia in childhood. Results indicate that both the behavioral and pharmacological treatments were effective relative to placebo, and that the behavioral treatment led to broader and more extensive improvements in psychosocial functioning relative to medication. These findings significantly advance the range and breadth of treatment options available to children with social phobia, a condition that is the third most frequent psychiatric diagnosis in children.

**Modi AC, Morita D, & Glauser TA (2008). One-month adherence in children with new-onset epilepsy: White coat compliance does not occur, *Pediatrics*, 121(4): p. e961-e966**

This is the first study to examine the phenomenon of white coat compliance in a pediatric population and importantly found it did not occur.

## **Division Highlights**

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### **Susmita Kashikar-Zuck, PhD**

Dr. Kashikar-Zuck is nationally known for her research in pediatric chronic pain. She leads the Pediatric Pain Research Program in the Division of Behavioral Medicine, and her research focuses on understanding how children and adolescents cope with pain, the impact of pain on school, social and family functioning, and development of evidence-based biobehavioral treatments for pediatric pain. She is currently the PI on an NIH funded R01 which the first multi-site randomized clinical trial of cognitive-behavioral treatment for juvenile fibromyalgia in children and adolescents.

### **M. Douglas Ris, PhD**

Dr. Ris is a leading researcher on the neurobehavioral outcomes of children treated for brain tumors. His research has yielded important findings on the full range of neurobehavioral toxicities, from low grade glioma in patients receiving surgery only, to medulloblastoma in patients receiving multimodal therapy (surgery, chemotherapy, radiotherapy). His studies have contributed to the growing awareness of the complex needs of survivors of pediatric brain tumors, information that informs improved treatments for brain tumors as well as interventions that mitigate their deleterious effects. His current R01 through the NCI brings together recent advances in radiotherapy, neuro-imaging, and neuropsychology to compressively model the effects of radiation on brain structure/function and neurodevelopment. A new, multicenter R01 study to be launched this year will investigate the adult outcomes of survivors of pediatric brain tumors as well as patterns of cognitive aging in this context.

### **Scott W. Powers, PhD**

Dr. Powers is a leading biobehavioral researcher who currently holds R01s in the area of nutritional health in young children with cystic fibrosis and behavioral interventions to improve pediatric headache. In each of these areas Dr. Powers has designed the most rigorous test of his innovative interventions and is addressing issues of significant health outcomes. In addition, he is the Director of an NIH training award (T32) from NIDDK on Child Behavior and Nutrition that was renewed for years 6 -10.

### **Meg Zeller, PhD**

Dr. Zeller is becoming a leading authority on the health and psychosocial consequences of extreme obesity. Adolescents with extreme obesity (BMI > 40 kg/m<sup>2</sup>), estimated at 4% of today's teenagers, are a growing subpopulation experiencing considerable health and psychosocial consequences. This year Dr. Meg Zeller was awarded an R01 "*Adolescent Bariatrics: Controlled Longitudinal Study of Psychosocial Development*" to study the psychosocial risks and benefits of bariatric surgery during this unique developmental period. Pilot work for this

successful NIH submission began in 2003 with funds for a feasibility study funded by a General Clinical Research Center CREFF Award and an R03 from NIDDK.

## Mentions in Consumer Media

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- [Nagging texts help teens remember to take meds](#) USATODAY , Newspaper
- [Heavy children may have more headaches](#) ABCNews , Television

## Division Publications

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1. Ammerman RT, Nortz MJ, Ris MD, Walz NC, Oppenheimer SG. **"Psychological functioning in children and adolescents with spina bifida."** *Neural tube defects*. New York: Informa Healthcare; 2007: 61-78.
2. Ammerman RT, Putnam FW, Kopke JE, Gannon TA, Short JA, Van Ginkel JB, Clark MJ, Carrozza MA, Spector AR. [Development and implementation of a quality assurance infrastructure in a multisite home visitation program in Ohio and Kentucky](#). *J Prev Interv Community*. 2007; 34: 89-107.
3. Beidel DC, Turner SM, Sallee FR, Ammerman RT, Crosby LA, Pathak S. [SET-C versus fluoxetine in the treatment of childhood social phobia](#). *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 1622-32.
4. Beebe D. **"Sleep and behavior in children and adolescents: a multi-system, developmental heuristic model."** *Sleep and psychiatric disorders in children and adolescents*. New York: Informa Healthcare; 2008: 1-10.
5. Beebe DW. **"Assessing neurobehavioral outcomes in childhood sleep disordered breathing: a primer for non-neuropsychologists."** *Sleep in children: developmental changes during sleep*. New York: Informa Healthcare; 2008: 345-365.
6. Beebe DW, Krivitzky L, Wells CT, Wade SL, Taylor HG, Yeates KO. [Brief report: parental report of sleep behaviors following moderate or severe pediatric traumatic brain injury](#). *J Pediatr Psychol*. 2007; 32: 845-50.
7. Byars KC, Amin R. **"Fatigue and sleep disorders."** *Adolescent medicine : the requisites in pediatrics*. Philadelphia: Mosby/Elsevier; 2008: 110-116.
8. Drotar D, Greenley RN, Demeter CA, McNamara NK, Stansbrey RJ, Calabrese JR, Stange J, Vijay P, Findling RL. [Adherence to pharmacological treatment for juvenile bipolar disorder](#). *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 831-9.
9. Greenley RN, Josie KL, Drotar D. [Self-reported quality of life among inner-city youth with asthma: an empirical examination of the PedsQL 3.0 Asthma Module](#). *Ann Allergy Asthma Immunol*. 2008; 100: 106-11.
10. Hazen RA, Drotar D, Kodish E. [The role of the consent document in informed consent for pediatric leukemia trials](#). *Contemp Clin Trials*. 2007; 28: 401-8.
11. Josie KL, Greenley RN, Drotar D. [Cumulative risk and asthma outcomes in inner-city African-American youth](#). *J Asthma*. 2007; 44: 535-41.
12. Spilsbury JC, Kahana S, Drotar D, Creeden R, Flannery DJ, Friedman S. [Profiles of behavioral problems in children who witness domestic violence](#). *Violence Vict*. 2008; 23: 3-17.
13. Wightman A, Schluchter M, Drotar D, Andreias L, Taylor HG, Klein N, Wilson-Costello D, Hack M. [Parental protection of extremely low birth weight children at age 8 years](#). *J Dev Behav Pediatr*. 2007; 28: 317-26.
14. Wolraich M, Drotar D. **"Diagnostic classification systems."** *Developmental-behavioral pediatrics : evidence and practice*. Philadelphia: Mosby/Elsevier; 2008: 109-122.
15. In: Wolraich M, Dworkin P, Drotar D, Perrin E, eds. (2008) *Developmental-behavioral pediatrics : evidence and practice*. Philadelphia, Mosby/Elsevier.
16. Casey BJ, Epstein JN, Buhle J, Liston C, Davidson MC, Tonev ST, Spicer J, Niogi S, Millner AJ, Reiss A, Garrett A, Hinshaw SP, Greenhill LL, Shafritz KM, Vitolo A, Kotler LA, Jarrett MA, Glover G. [Frontostriatal connectivity and its role in cognitive control in parent-child dyads with ADHD](#). *Am J Psychiatry*. 2007; 164: 1729-36.
17. Epstein JN. **"Hyperactivity."** *International encyclopedia of the social sciences*. Detroit: Macmillan; 2008: 537-538.
18. Epstein JN, Casey BJ, Tonev ST, Davidson MC, Reiss AL, Garrett A, Hinshaw SP, Greenhill LL, Glover G, Shafritz KM, Vitolo A, Kotler LA, Jarrett MA, Spicer J. [ADHD- and medication-related brain activation effects in concordantly affected parent-child dyads with ADHD](#). *J Child Psychol Psychiatry*. 2007; 48: 899-913.
19. Epstein JN, Rabiner D, Johnson DE, Fitzgerald DP, Chrisman A, Erkanli A, Sullivan KK, March JS, Margolis P, Norton EC, Conners CK. [Improving attention-deficit/hyperactivity disorder treatment outcomes through use of a collaborative consultation treatment service by community-based pediatricians: a cluster randomized trial](#). *Arch Pediatr Adolesc Med*. 2007; 161: 835-40.
20. Froehlich TE, Lanphear BP, Epstein JN, Barbaresi WJ, Katusic SK, Kahn RS. [Prevalence, recognition, and](#)

[treatment of attention-deficit/hyperactivity disorder in a national sample of US children](#) . *Arch Pediatr Adolesc Med*. 2007; 161: 857-64.

21. Jensen PS, Arnold LE, Swanson JM, Vitiello B, Abikoff HB, Greenhill LL, Hechtman L, Hinshaw SP, Pelham WE, Wells KC, Conners CK, Elliott GR, Epstein JN, Hoza B, March JS, Molina BS, Newcorn JH, Severe JB, Wigal T, Gibbons RD, Hur K. [3-year follow-up of the NIMH MTA study](#) . *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 989-1002.
22. Molina BS, Flory K, Hinshaw SP, Greiner AR, Arnold LE, Swanson JM, Hechtman L, Jensen PS, Vitiello B, Hoza B, Pelham WE, Elliott GR, Wells KC, Abikoff HB, Gibbons RD, Marcus S, Conners CK, Epstein JN, Greenhill LL, March JS, Newcorn JH, Severe JB, Wigal T. [Delinquent behavior and emerging substance use in the MTA at 36 months: prevalence, course, and treatment effects](#) . *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 1028-40.
23. Swanson JM, Elliott GR, Greenhill LL, Wigal T, Arnold LE, Vitiello B, Hechtman L, Epstein JN, Pelham WE, Abikoff HB, Newcorn JH, Molina BS, Hinshaw SP, Wells KC, Hoza B, Jensen PS, Gibbons RD, Hur K, Stehli A, Davies M, March JS, Conners CK, Caron M, Volkow ND. [Effects of stimulant medication on growth rates across 3 years in the MTA follow-up](#) . *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 1015-27.
24. Swanson JM, Hinshaw SP, Arnold LE, Gibbons RD, Marcus S, Hur K, Jensen PS, Vitiello B, Abikoff HB, Greenhill LL, Hechtman L, Pelham WE, Wells KC, Conners CK, March JS, Elliott GR, Epstein JN, Hoagwood K, Hoza B, Molina BS, Newcorn JH, Severe JB, Wigal T. [Secondary evaluations of MTA 36-month outcomes: propensity score and growth mixture model analyses](#) . *J Am Acad Child Adolesc Psychiatry*. 2007; 46: 1003-14.
25. Andrews NR, Chaney JM, Mullins LL, Wagner JL, Hommel KA, Jarvis JN. [Brief report: illness intrusiveness and adjustment among Native American and Caucasian parents of children with juvenile rheumatic diseases](#) . *J Pediatr Psychol*. 2007; 32: 1259-63.
26. Hommel KA. **"Inflammatory bowel disease and liver disease."** *Comprehensive handbook of clinical health psychology*. Hoboken: Wiley; 2008: 319-345.
27. Hood KK, Butler DA, Anderson BJ, Laffel LM. [Updated and revised Diabetes Family Conflict Scale](#) . *Diabetes Care*. 2007; 30: 1764-9.
28. Hood KK, Keenan HA, Jacobson AM. **"Hyperglycemia-induced tissue damage: pathways and causes."** *Type 1 diabetes in adults: principles and practice*. New York: Informa Healthcare; 2007: 127-142.
29. Hood KK, Nansel TR. **Commonalities in effective behavioral interventions for children and adolescents with Type 1 diabetes: a review of reviews**. *Diabetes Spectr*. 2007; 20: 251-254.
30. Johnson SB, Baughcum AE, Hood K, Rafkin-Mervis LE, Schatz DA. [Participant and parent experiences in the parenteral insulin arm of the diabetes prevention trial for type 1 diabetes](#) . *Diabetes Care*. 2007; 30: 2193-8.
31. Nansel TR, Hood KK. **"Diabetes in childhood: promoting emotional health."** *Handbook of child behavioral issues: evidence-based approaches to prevention and treatment*. New York: Routledge; 2007: 147-166.
32. Kashikar-Zuck S, Lynch AM. **"Psychological interventions for chronic pain."** *Pain in children : a practical guide for primary care*. Totowa, NJ: Humana Press; 2008: 145-152.
33. Swain NF, Popenhagen M, Kashikar-Zuck S, Kruschwitz M, Negron J. **"Treatment approaches and intervention for juvenile primary fibromyalgia syndrome: A current review."** *Focus on fibromyalgia research*. Hauppauge: Nova Science Publishers, Inc.; 2007: 55-72.
34. Langberg JM, Froehlich TE, Loren RE, Martin JE, Epstein JN. [Assessing children with ADHD in primary care settings](#) . *Expert Rev Neurother*. 2008; 8: 627-41.
35. Kollins SH, Langberg JM. ["Medical and pharmacological issues."](#) *Handbook of psychological assessment, case conceptualization, and treatment. Vol. 2, Children and adolescents*. Hoboken, N.J.: Wiley; 2008: 159-175.
36. Janicke DM, Mitchell MJ, Quittner AL, Piazza-Waggoner C, Stark LJ. **The Impact of Behavioral Intervention on Family Interactions at Mealtime in Pediatric Cystic Fibrosis**. *Child Health Care*. 2008; 37: 49-66.
37. Modi AC, Marciel KK, Slater SK, Shalonda K, Drotar D, Quittner AL. **The influence of parental supervision on medical adherence in adolescents with cystic fibrosis: Developmental shifts from pre to late adolescence..** *Child Health Care*. 2008; 37: 78-92.
38. Modi AC, Morita DA, Glauser TA. [One-month adherence in children with new-onset epilepsy: white-coat compliance does not occur](#) . *Pediatrics*. 2008; 121: e961-6.
39. Bonanno GA, Colak DM, Keltner D, Shiota MN, Papa A, Noll JG, Putnam FW, Trickett PK. [Context matters: the benefits and costs of expressing positive emotion among survivors of childhood sexual abuse](#) . *Emotion*. 2007; 7: 824-37.
40. Kim K, Noll JG, Putnam FW, Trickett PK. [Psychosocial characteristics of nonoffending mothers of sexually abused girls: findings from a prospective, multigenerational study](#) . *Child Maltreat*. 2007; 12: 338-51.
41. Noll JG. [Sexual abuse of children--unique in its effects on development?](#) . *Child Abuse Negl*. 2008; 32: 603-5.
42. Noll JG, Schulkin J, Trickett PK, Susman EJ, Breech L, Putnam FW. [Differential pathways to preterm delivery for](#)

- [sexually abused and comparison women](#) . *J Pediatr Psychol*. 2007; 32: 1238-48.
43. Noll JG, Zeller MH, Trickett PK, Putnam FW. [Obesity risk for female victims of childhood sexual abuse: a prospective study](#) . *Pediatrics*. 2007; 120: e61-7.
44. Nortz MJ, Hemme-Phillips JD, Ris MD. **"Neuropsychological sequelae in children treated for cancer."** *Pediatric neuropsychological intervention : a critical review of science & practice*. Cambridge UK ; New York: Cambridge University Press; 2007: 112-132.
45. Kazak AE, Rourke MT, Alderfer MA, Pai A, Reilly AF, Meadows AT. [Evidence-based assessment, intervention and psychosocial care in pediatric oncology: a blueprint for comprehensive services across treatment](#) . *J Pediatr Psychol*. 2007; 32: 1099-110.
46. Mullins LL, Wolfe-Christensen C, Pai AL, Carpentier MY, Gillaspay S, Cheek J, Page M. [The relationship of parental overprotection, perceived child vulnerability, and parenting stress to uncertainty in youth with chronic illness](#) . *J Pediatr Psychol*. 2007; 32: 973-82.
47. Pai AL, Greenley RN, Lewandowski A, Drotar D, Youngstrom E, Peterson CC. [A meta-analytic review of the influence of pediatric cancer on parent and family functioning](#) . *J Fam Psychol*. 2007; 21: 407-15.
48. Pai AL, Patino-Fernandez AM, McSherry M, Beele D, Alderfer MA, Reilly AT, Hwang WT, Kazak AE. [The Psychosocial Assessment Tool \(PAT2.0\): psychometric properties of a screener for psychosocial distress in families of children newly diagnosed with cancer](#) . *J Pediatr Psychol*. 2008; 33: 50-62.
49. Patino-Fernandez AM, Pai AL, Alderfer M, Hwang WT, Reilly A, Kazak AE. [Acute stress in parents of children newly diagnosed with cancer](#) . *Pediatr Blood Cancer*. 2008; 50: 289-92.
50. Minnick J, Pearl ES. **"Child-adult relationship enhancement (CARE)."** *An integrated model for treatment of early childhood abuse*. Royal Oak, MI: Self Esteem Shop; 2007: 120.
51. Pearl ES. **"Parent-child interaction therapy (PCIT)."** *An integrated model for treatment of early childhood abuse*. Royal Oak, MI: Self Esteem Shop; 2007: 45-55.
52. Pearl ES. **Parent-child interaction therapy with an immigrant family exposed to domestic violence..** *Clin Case Stud*. 2008; 7: 25-41.
53. Piazza-Waggoner C, Driscoll KA, Gilman DK, Powers SW. **A comparison using parent report and direct observation of mealtime behaviors in young children with cystic fibrosis: Implications for practical and empirically-based behavioral assessment in routine clinical care.** *Child Health Care*. 2008; 37: 38-48.
54. Piazza-Waggoner C, Modi AC, Powers SW, Williams LB, Dolan LM, Patton SR. [Observational assessment of family functioning in families with children who have type 1 diabetes mellitus](#) . *J Dev Behav Pediatr*. 2008; 29: 101-5.
55. Hershey AD, Winner P, Kabbouche MA, Powers SW. [Headaches](#) . *Curr Opin Pediatr*. 2007; 19: 663-9.
56. Patton SR, Dolan LM, Henry R, Powers SW. [Parental fear of hypoglycemia: young children treated with continuous subcutaneous insulin infusion](#) . *Pediatr Diabetes*. 2007; 8: 362-8.
57. Powers S, Lake AE, Andrasik F. **"Psychologic and nonpharmacologic treatment of headache."** *Headache in children and adolescents*. Hamilton, ON: B.C. Decker; 2008: 255-281.
58. Powers SW. **Introduction to the special series on cystic fibrosis: viewpoints on clinical trials, genetic screening, and behavioral medicine.** *Child Health Care*. 2008; 37: 1-4.
59. Rapoff M, Stark L. [Editorial: Journal of Pediatric Psychology statement of purpose: section on single-subject studies](#) . *J Pediatr Psychol*. 2008; 33: 16-21.
60. Brown TM, Ris MD, Beebe D, Ammerman RT, Oppenheimer SG, Yeates KO, Enrile BG. [Factors of biological risk and reserve associated with executive behaviors in children and adolescents with spina bifida myelomeningocele](#) . *Child Neuropsychol*. 2008; 14: 118-34.
61. DiFrancesco MW, Holland SK, Ris MD, Adler CM, Nelson S, DelBello MP, Altaye M, Brunner HI. [Functional magnetic resonance imaging assessment of cognitive function in childhood-onset systemic lupus erythematosus: a pilot study](#) . *Arthritis Rheum*. 2007; 56: 4151-63.
62. Ris MD. [Lessons in pediatric neuropsychology: what we have learned since Johnny Gunther](#) . *J Pediatr Psychol*. 2007; 32: 1029-37.
63. Ris MD, Nortz MJ. **"Nonverbal learning disorders."** *Textbook of clinical neuropsychology*. New York: Taylor & Francis; 2008: 346-360.
64. Wright JP, Dietrich KN, Ris MD, Hornung RW, Wessel SD, Lanphear BP, Ho M, Rae MN. [Association of prenatal and childhood blood lead concentrations with criminal arrests in early adulthood](#) . *PLoS Med*. 2008; 5: e101.
65. Roehrig HR, Xanthakos SA, Sweeney J, Zeller MH, Inge TH. [Pregnancy after gastric bypass surgery in adolescents](#) . *Obes Surg*. 2007; 17: 873-7.
66. Stallings VA, Stark LJ, Robinson KA, Feranchak AP, Quinton H. [Evidence-based practice recommendations for nutrition-related management of children and adults with cystic fibrosis and pancreatic insufficiency: results](#)

- [of a systematic review](#). *J Am Diet Assoc*. 2008; 108: 832-9.
67. Karunanayaka PR, Holland SK, Yuan W, Altaye M, Jones BV, Michaud LJ, Walz NC, Wade SL. [Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: a preliminary fMRI investigation](#). *NeuroRehabilitation*. 2007; 22: 355-69.
  68. Kramer ME, Chiu CY, Walz NC, Holland SK, Yuan W, Karunanayaka P, Wade SL. [Long-term neural processing of attention following early childhood traumatic brain injury: fMRI and neurobehavioral outcomes](#). *J Int Neuropsychol Soc*. 2008; 14: 424-35.
  69. Wade SL, Taylor HG, Walz N, Salisbury S, Stancin T, Bernard LA, Oberjohn K, Yeates KO. **Parent-child interactions during the initial weeks following brain injury in young children**. *Rehabil Psychol*. 2008; 53: 180-190.
  70. Walz NC, Cecil KM, Wade SL, Michaud LJ. [Late proton magnetic resonance spectroscopy following traumatic brain injury during early childhood: relationship with neurobehavioral outcomes](#). *J Neurotrauma*. 2008; 25: 94-103.
  71. Yuan W, Holland SK, Schmithorst VJ, Walz NC, Cecil KM, Jones BV, Karunanayaka P, Michaud L, Wade SL. [Diffusion tensor MR imaging reveals persistent white matter alteration after traumatic brain injury experienced during early childhood](#). *AJNR Am J Neuroradiol*. 2007; 28: 1919-25.
  72. Inge TH, Pfluger P, Zeller M, Rose SR, Burget L, Sundararajan S, Daniels SR, Tschop MH. [Gastric bypass surgery for treatment of hypothalamic obesity after craniopharyngioma therapy](#). *Nat Clin Pract Endocrinol Metab*. 2007; 3: 606-9.
  73. Inge TH, Zeller M, Harmon C, Helmrath M, Bean J, Modi A, Horlick M, Kalra M, Xanthakos S, Miller R, Akers R, Courcoulas A. [Teen-Longitudinal Assessment of Bariatric Surgery: methodological features of the first prospective multicenter study of adolescent bariatric surgery](#). *J Pediatr Surg*. 2007; 42: 1969-71.
  74. Zeller MH, Reiter-Purtill J, Ramey C. [Negative peer perceptions of obese children in the classroom environment](#). *Obesity (Silver Spring)*. 2008; 16: 755-62.

## Grants, Contracts, and Industry Agreements

### Grant and Contract Awards

### Annual Direct / Project Period Direct

#### Ammerman, R

##### Treatment of Depression of Mothers in Home Visitation

National Institutes of Health

R34 MH 073867

06/01/06 - 05/31/09

\$131,085 / \$405,000

##### Increasing Retention in Home Visitation

Health Resources and Services Administration

R40 MC 06632

01/01/06 - 12/31/09

\$169,978 / \$680,359

#### Beebe, D

##### OSA In Obese Teens And Preteens: Neurobehavioral Effects

National Institutes of Health

K23 HL 075369

01/05/04 - 12/31/08

\$110,154 / \$544,166

#### Drotar, D

##### Self-Management of Type 1 Diabetes During Adolescence

National Institutes of Health

R01 DK 069486

08/01/07 - 07/31/11

\$414,746 / \$1,705,154

##### Promoting Treatment Adherence in Adolescent Leukemia

National Institutes of Health

R01 CA 119162

09/28/07 - 07/31/12

\$589,361 / \$3,006,866

#### Epstein, J

##### Response Variability in Children with ADHD

National Institutes of Health

R01 MH 074770

06/01/06 - 03/31/10

\$218,475 / \$900,000

##### Disseminating a Model Intervention to Promote Improved ADHD Care in the Community

National Institutes of Health

R21 MH 082714

06/01/08 - 05/31/10

\$135,000 / \$247,500

**Hommel, K****Bone Health in Pediatric Crohn Disease**

National Institutes of Health (Children's Hospital of Philadelphia)

R01 DK 073946

08/01/07 - 07/31/11

\$13,366 / \$41,525

**Behavioral Treatment of Nonadherence in Pediatric Inflammatory Bowel Disease**

National Institutes of Health

K23 DK 079037

01/01/08 - 04/30/12

\$161,646 / \$425,502

**Hood, K****Depression in Children and Adolescents with Type I Diabetes**

National Institutes of Health

K23 DK 073340

08/01/07 - 07/31/10

\$121,451 / \$372,077

**Kashikar-Zuck, S****A Randomized Clinical Trial In Juvenile Fibromyalgia**

National Institutes of Health

R01 AR 050028

07/01/04 - 06/30/09

\$345,371 / \$1,630,447

**Mitchell, M****Sister Circles for Professional African American Women**

National Institutes of Health (Kent State University)

R21 MH 076722

03/01/08 - 02/28/10

\$31,204 / \$62,408

**Ameliorating Attention Problems in Children with SCD**

National Institutes of Health (Temple University School of Medicine)

R21 HD 049244

03/01/08 - 02/28/10

\$17,952 / \$36,450

**Comprehensive Sickle Cell Center**

National Institutes of Health

U54 HL070871

06/15/08 - 03/31/12

\$108,677 / \$435,700

**Modi, A****Novel Adherence Measurement and Intervention in Children with New Onset Epilepsy**

National Institutes of Health

K23 HD 057333

02/15/08 - 01/31/13

\$113,906 / \$587,293

**Noll, J.****Preventing Teen Pregnancy: Prepregnancy Psychosocial Mechanisms for at-risk Females**

National Institutes of Health

R01 HD 052533

03/10/07 - 02/29/12

\$328,832 / \$1,697,610

**Powers, S****Research Training in Child Behavior and Nutrition**

National Institutes of Health

T32 DK 063929

07/01/03 - 06/30/08

\$193,364 / \$810,900

**HRCT & Growth in Preschoolers Receiving Behavioral TX**

Cystic Fibrosis Foundation

POWERS05A0

07/01/05 - 06/30/08

\$125,267 / \$375,602

**Drug and Non-Drug Treatment of Pediatric Chronic Headache**

National Institutes of Health

R01 NS 050536

07/01/06 - 06/30/10

\$323,835 / \$1,277,481

**Behavioral & Nutrition TX to Help CF Preschoolers Grow**

National Institutes of Health

R01 DK 054915

09/15/05 - 07/31/10

\$435,298 / \$2,233,976

**Behavioral Treatment for Dietary Adherence in Children**

National Institutes of Health

K24 DK 059973

07/01/06 - 06/30/11

\$152,800 / \$778,316

**Ris, D**

**Neurobehavioral Late Effects in Pediatric Brain Tumors**

National Institutes of Health

R01 CA 112182

03/22/05 - 02/28/10

\$427,492 / \$1,751,622

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**Stark, L**

**Behavioral Treatment and Nutrition in Pediatric Chronic Disease**

National Institutes of Health

K24 DK 059492

09/26/06 - 08/31/11

\$164,152 / \$822,904

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**Walz, N**

**Social Development Following Preschool Brain Injury**

National Institutes of Health

K23 HD 046690

01/01/05 - 12/31/09

\$108,987 / \$533,061

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**Zeller, M**

**Adolescent Bariatrics: Controlled Longitudinal Study of Psychosocial Development**

National Institutes of Health

R01 DK 080020

03/01/08 - 02/28/13

\$415,193 / \$2,126,379

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**Current Year Direct**

**\$5,357,592**

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**Total \$5,357,592**

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