

# Physical Medicine and Rehabilitation

## Division Details

### RESEARCH AND TRAINING DETAILS

Faculty	9
Research Fellows and Post Docs	2
Research Graduate Students	2
Total Annual Grant Award Dollars	\$2,471,048

### CLINICAL ACTIVITIES AND TRAINING

Clinical Fellows	4
Inpatient Encounters	4,442
Outpatient Encounters	5,552



Row 1: D Pruitt

Row 2: J Vargus-Adams, S Wade, A Bolger, M McMahon

Row 3: B Kurowski, D Kinnett, N Evanson

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## Division Publications

1. Treble-Barna A; Wade SL; Martin LJ; Pilipenko V; Yeates KO; Taylor HG; Kurowski BG. **Influence of Dopamine-Related Genes on Neurobehavioral Recovery after Traumatic Brain Injury during Early Childhood.** *Journal of Neurotrauma*. 2017; 34:1919-1931.
2. Treble-Barna A; Zang H; Zhang N; Taylor HG; Yeates KO; Wade S. **Long-Term Neuropsychological Profiles and Their Role as Mediators of Adaptive Functioning after Traumatic Brain Injury in Early Childhood.** *Journal of Neurotrauma*. 2017; 34:353-362.
3. Yuan W; Treble-Barna A; Sohlberg MM; Harn B; Wade SL. **Changes in Structural Connectivity Following a Cognitive Intervention in Children With Traumatic Brain Injury: A Pilot Study.** *Neurorehabilitation and Neural Repair*. 2017; 31:190-201.
4. Wong BL; Rybalsky I; Shellenbarger KC; Tian C; McMahon MA; Rutter MM; Sawnani H; Jefferies JL. **Long-Term Outcome of Interdisciplinary Management of Patients with Duchenne Muscular Dystrophy Receiving Daily Glucocorticoid Treatment.** *The Journal of Pediatrics*. 2017; 182:296-303.e1.
5. Kurowski BG; Hugentobler J; Quatman-Yates C; Taylor J; Gubanich PJ; Altaye M; Wade SL. **Aerobic Exercise for Adolescents With Prolonged Symptoms After Mild Traumatic Brain Injury: An Exploratory Randomized Clinical Trial.** *Journal of Head Trauma Rehabilitation*. 2017; 32:79-89.

6. Narad ME; Treble-Barna A; Peugh J; Yeates KO; Taylor HG; Stancin T; Wade SL. **Recovery Trajectories of Executive Functioning After Pediatric TBI: A Latent Class Growth Modeling Analysis.** *Journal of Head Trauma Rehabilitation.* 2017; 32:98-106.
7. Kurowski BG; Wade SL; Dexheimer JW; Dyas J; Zhang N; Babcock L. **Feasibility and Potential Benefits of a Web-Based Intervention Delivered Acutely After Mild Traumatic Brain Injury in Adolescents: A Pilot Study.** *Journal of Head Trauma Rehabilitation.* 2016; 31:369-378.
8. Treble-Barna A; Sohlberg MM; Harn BE; Wade SL. **Cognitive Intervention for Attention and Executive Function Impairments in Children With Traumatic Brain Injury: A Pilot Study.** *Journal of Head Trauma Rehabilitation.* 2016; 31:407-418.
9. Treble-Barna A; Zang H; Zhang N; Taylor HG; Stancin T; Yeates KO; Wade SL. **Observed Parent Behaviors as Time-Varying Moderators of Problem Behaviors Following Traumatic Brain Injury in Young Children.** *Developmental Psychology.* 2016; 52:1777-1792.
10. Treble-Barna A; Zang H; Zhang N; Martin LJ; Yeates KO; Taylor HG; Wade SL; Kurowski BG. **Does Apolipoprotein e4 Status Moderate the Association of Family Environment with Long-Term Child Functioning following Early Moderate to Severe Traumatic Brain Injury? A Preliminary Study.** *Journal of the International Neuropsychological Society : JINS.* 2016; 22:859-864.
11. Narad ME; Yeates KO; Taylor HG; Stancin T; Wade SL. **Maternal and Paternal Distress and Coping Over Time Following Pediatric Traumatic Brain Injury.** *Journal of Pediatric Psychology.* 2017; 42:jsw079.
12. Dexheimer JW; Kurowski BG; Anders SH; McClanahan N; Wade SL; Babcock L. **Usability evaluation of the SMART application for youth with mTBI.** *International Journal of Medical Informatics.* 2017; 97:163-170.
13. Hung AH; Cassidy A; Schultz HM; Yeates KO; Taylor HG; Stancin T; Walz NC; Wade SL. **Predictors of Long-Term Victimization After Early Pediatric Traumatic Brain Injury.** *Journal of Developmental and Behavioral Pediatrics.* 2017; 38:49-57.
14. Rhine T; Babcock L; Zhang N; Leach J; Wade SL. **Are UCH-L1 and GFAP promising biomarkers for children with mild traumatic brain injury?.** *Brain Injury.* 2016; 30:1231-1238.
15. Bolger A; Vargus-Adams J; McMahon M. **Transition of Care in Adolescents With Cerebral Palsy: A Survey of Current Practices.** *PM&R.* 2017; 9:258-264.
16. Tlustos SJ; Kirkwood MW; Taylor HG; Stancin T; Brown TM; Wade SL. **A Randomized Problem-Solving Trial for Adolescent Brain Injury: Changes in Social Competence.** *Rehabilitation Psychology.* 2016; 61:347-357.
17. Paulson A; Vargus-Adams J. **Overview of Four Functional Classification Systems Commonly Used in Cerebral Palsy..** *Children.* 2017; 4:30.
18. Paulson A; Mielke C. **Shelf acetabuloplasty for reconstructive or salvage surgical treatment in Legg-Calvé-Perthes disease.** *Current Orthopaedic Practice.* 2016; 27:409-415.

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## Grants, Contracts, and Industry Agreements

### Annual Grant Award Dollars

Investigator	Title	Sponsor	ID	Dates	Amount
Shari L Wade, PhD	Comparative Effectiveness of Family Problem-Solving Therapy (F-PST) for Adolescent TBI	Patient-Centered Outcome Research Inst.	CER-1306-02435	08/01/2014 - 10/31/2018	\$756,847
Nathan K. Evanson, MD, PhD	The Role of Environment in Recovery from Experimental TBI in Adolescent Mice.	National Institutes of Health (University of Pittsburgh)	K12 HD001097	07/01/2015 - 06/30/2017	\$123,120

Shari L Wade, PhD	Multimedia Program for Families Impacted by the Challenges of TBI.	National Institutes of Health (Assistech Systems, LLC)	R44 HD059255	08/01/2016 - 06/30/2019	\$88,918
Brad Gerald Kurowski, MD	Center for Disease Control	Ctr for Disease Control and Prevention	CDC_IPA_Kurowski	08/01/2015 - 07/31/2017	\$26,909
Shari L Wade, PhD	Statistical Methods to Support a Model Pediatric Traumatic Brain Injury Data Bank	National Institutes of Health (Ohio State University)	R03 HD080033	08/01/2015 - 08/31/2016	\$7,201
Shari L Wade, PhD	Pediatric TBI Treatments: Optimal Timing, Targets, and Patient Characteristics.	National Institutes of Health	R21 HD089076	09/14/2016 - 08/31/2018	\$253,473
Megan E Narad	Online Family Based Problem Solving after Pediatric Traumatic Brain Injury: The Moderating Effect of Attention Problems	National Institutes of Health	F32 HD088011	01/01/2017 - 12/31/2018	\$60,618
Brad Gerald Kurowski, MD	Genetic and Environmental Influences on Recovery of Severe Pediatric Brain Injury	National Institutes of Health	R01 NS096053	08/01/2016 - 04/30/2021	\$1,121,191
Brad Gerald Kurowski, MD	Efficacy of Methylphenidate for Management of Long-term Attention Problems after Pediatric Traumatic Brain Injury	National Institutes of Health	K23 HD074683	08/01/2016 - 10/31/2016	\$32,771

**Total Annual Grant Award Dollars**

**\$2,471,048**

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