

W. Donald Shields, MD  
Vice President  
Pediatric Epilepsy Research Fdn  
7777 Forest Lane, Suite B248  
Dallas, TX 75230-2529

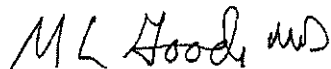
Dear Dr. Shields,

In the brief time I have been at University of Utah Health, I'm struck by the energy and passion this community has for our mission and by the commitment and generosity our supporters demonstrate each day. The community that has welcomed my wife, Danette, and me here—students, faculty, staff, alumni, and friends—possesses a clear investment in our organization, those we serve, and the potential for this institution to be even greater. It is my honor to thank you for being a part of our success, and through your support to our endowment, a key contributor to our prosperity in the years ahead.

Endowments are the lifeblood of the university, enabling us—in perpetuity—to count on a reliable annual source of support to retain and recruit world-class faculty, alleviate tuition costs for students through scholarships, and enhance academic programs and campus spaces. We value the trust you have placed in us to wisely manage your philanthropic investment and are honored to share with you the positive impact that you have made to our community through the *Presidential Endowed Chair in Child Neurology in Honor of Patrick Bray, MD*.

Thank you for creating a legacy at the university—one that ensures our students, clinicians, and researchers will thrive for years to come. I am proud to be a part of this talented and driven community at U of U Health and am grateful to you for the many ways in which you have bolstered our efforts. Thank you for believing in our core missions of excellence in patient care, education, research, and service to our communities.

Sincerely,



Michael L. Good, MD  
CEO, University of Utah Health  
Dean, University of Utah School of Medicine  
Senior Vice President for Health Sciences



## 2017-2018 ENDOWMENT REPORT

# PRESIDENTIAL ENDOWED CHAIR IN CHILD NEUROLOGY IN HONOR OF PATRICK BRAY, MD

**Endowment Report Prepared for  
Fiscal Year 2018  
(July 1, 2017 – June 30, 2018)**

### **Fund Purpose:**

An endowed fund established to create a presidential endowed chair in honor of Patrick Bray, MD in recognition of his lifetime of service to the field of child neurology. The chair holder shall be an outstanding researcher in the field of child neurology, and their clinical, research, administrative and teaching background shall lend itself to expanding medical knowledge related to pediatric neurology.

### **Market Value:**

**Beginning Value (7/1/2017):** **\$1,498,242**

**Ending Value (6/30/2018):** **\$1,518,850**

*Market Value represents the book value plus unrealized gains or losses on investments. It is based on the total number of shares owned by the fund in the endowment pool, multiplied by the current market value per pool share.*

**Additional Gifts to the Fund:** **\$0**

*New gifts to the principal investment during the fiscal year 2017-2018.*

**Fiscal Year 2018 Distribution for Fund Purpose:** **\$59,155**

*The distribution is the investment income made available for expenditure during the reported fiscal year.*

**For more information, please contact the Development Office at (801) 585-0745.**



## 2017-2018 ENDOWMENT REPORT

# PRESIDENTIAL ENDOWED CHAIR IN CHILD NEUROLOGY IN HONOR OF PATRICK BRAY, MD

### Endowed Chair Recipient

**Name:** Joshua Bonkowsky, MD, PhD

**Term of Chair:** 5 years

**Department:** Pediatrics

#### Education:

- University of Utah, Pediatric Neurology, Fellow
- Boston Children's Medical School, Pediatric Neurology, Fellow
- University of Utah, Pediatrics, Resident
- University of Utah, Pediatrics, Intern
- University of California - San Diego, Biomedical Sciences, MD
- Institute of Molecular Pathology, Fellow
- Harvard College, Biochemistry, BA

#### Classes Taught:

- Neurosciences 6060: Graduate Neuroanatomy, 2 lectures
- Neurosciences 7750: Developmental Neurobiology, 2 lectures

**Research Interests:** Studying leukodystrophies (inherited diseases of the myelin) and developing new therapeutic approaches.

#### Recent Publications:

Margraf RL, Durtschi J, Krock B, Newcomb TM, Bonkowsky JL, Voelkerding KV, Bayrak-Toydemir P, Lutz RE, Swoboda KJ. Novel PLP1 Mutations Identified With Next-Generation Sequencing Expand the Spectrum of PLP1-Associated Leukodystrophy Clinical Phenotypes. *Child Neurol Open*. 2018 Jul 23;5:2329048X18789282. doi: 10.1177/2329048X18789282. eCollection 2018. PMID: 30046645

Gao J, Stevenson TJ, Douglass AD, Barrios JP, Bonkowsky JL. The Midline Axon Crossing Decision Is Regulated through an Activity-Dependent Mechanism by the NMDA Receptor. *eNeuro*. 2018 Apr 17;5(2). pii: ENEURO.0389-17.2018. doi: 10.1523/ENEURO.0389-17.2018. eCollection 2018 Mar-Apr. PMID 29766040

Ward A, Karren MA, Di Sera T, Miller C, Velinder M, Qiao Y, Filloux FM, Ostrander B, Butterfield R, Bonkowsky JL, Dere W, Marth GT. Rapid clinical diagnostic variant investigation of genomic patient sequencing data with iobio web tools. *J Clin Transl Sci*. 2017 Dec;1(6):381-386. doi: 10.1017/cts.2017.311. PMID 29707261

Lambert CJ, Freshner BC, Chung A, Stevenson TJ, Bowles DM, Samuel R, Gale BK, Bonkowsky JL. An automated system for rapid cellular extraction from live zebrafish embryos and larvae: Development and application to genotyping. *PLoS One*. 2018 Mar 15;13(3):e0193180. doi: 10.1371/journal.pone.0193180. eCollection 2018. PMID 29543903

Strachan L, Stevenson TJ, Freshner B, Keefe M, Bowles M, Bonkowsky JL. A zebrafish model of X-linked adrenoleukodystrophy recapitulates key disease features and demonstrates a developmental requirement for *abcd1* in oligodendrocyte patterning and myelination. 2017. *Human Molecular Genetics*. 2017 Sep 15;26(18):3600-3614. doi: 10.1093/hmg/ddx249. PMID 28911205

Wright MA, Korgenski EK, Bardsley T, Bonkowsky JL, Candee MS. Comprehensive population-based determination of pediatric multiple sclerosis health care costs. *Neurol Neuroimmunol Neuroinflamm*. 2016 Dec 19;4(1):e314.

Merrill ST, Nelson GR, Longo N, Bonkowsky JL. Cytotoxic edema and diffusion restriction as an early pathoradiologic marker in canavan disease: case report and review of the literature. *Orphanet J Rare Dis*. 2016 Dec 7;11(1):169.

Keefe MD, Bonkowsky JL. Transvection Arising from Transgene Interactions in Zebrafish. *Zebrafish*. 2016 Oct 25. [Epub ahead of print] PubMed PMID: 27779464.