Al pictured with his older sister, Yvonne
Letter from the President

After 17 years working at the Thrasher Research Fund, visiting projects and study subjects around the world, the people who stand out for their care and devotion to children are the mothers and grandmothers. I have seen their heroic efforts to find the best treatments possible for their children and grandchildren, even if it means standing in long lines or walking miles to get to a clinic. Their love and joy are apparent in the tender way they interact with their children. As you read about the transformational work of our grantees, I hope you will join us in celebrating the mothers and grandmothers of the world through the photography in this report.

Through the commitment of the Thrasher Research Fund, children across the world now benefit from prevention strategies, procedures, and treatments for health conditions. Funded projects have established pioneering medical techniques and applied novel technologies—all to reduce childhood morbidity and mortality. The Fund’s focus on the health and well-being of children remains center stage as we look toward the future of pediatric medical care.

All this work is possible through the generosity of Mr. Thrasher, who established the Thrasher Research Fund. The legacy of Mr. E. W. “Al” Thrasher continues to be manifest through the many grants that the Thrasher Research Fund provides to improve the lives of children each year.

[Signature]

[Photo of Mr. and Mrs. Thrasher]
Letter from Mary Bee Thrasher

Al Thrasher continually looked toward the future with optimism, knowing that the key to a brighter future lay in exploration and research. A prolific inventor himself, Al saw that both whole industries and the economy benefit from innovation. Wishing to leave a gift for future generations, he founded the Thrasher Research Fund to foster that same inventive spirit of discovery and improve the lives of children through medical advances. Thankfully, he lived to see his philanthropic endeavors benefit the lives of thousands of children before his passing in 2005, and since his passing, I have witnessed many more scientific discoveries by Thrasher grantees. Our family wishes to express gratitude to the president and staff of the Thrasher Research Fund, as well as a special thanks to the grantees and scientific teams who carry out the research. What you do has truly made a difference in the lives of children around the world. Thank you for continuing the legacy that Al envisioned for the tremendous difference research could make in the prevention and treatment of diseases in children.

Mary Bee Thrasher
The purpose of the E.W. “Al” Thrasher Award is to improve pediatric clinical practice through medical research. Since initiating this award over 40 years ago, our grantees have led their fields through significant advancements in clinical practice and guidelines. During 2018-2019, 18 new Thrasher awards were granted, totaling over seven million dollars.

These grants do not focus on a specific disease; instead, the Thrasher Research Fund is open to applications that address a variety of significant pediatric problems. Our current and former grantees of the E.W. “Al” Thrasher Award offer the potential for practical solutions to address significant health problems that affect children in large numbers. Their solutions are innovative and have the potential for broad applicability with low barriers to implementation.
E.W. “Al” Thrasher Award Recipients
2018

Katherine Deans, MD, MHSc
The Research Institute at Nationwide Children’s Hospital
Reducing unnecessary oophorectomies for benign neoplasms in girls: A multi-institutional study
$394,002

Shane George, PhD
The University of Queensland
Nasal high-flow apnoeaic oxygenation during paediatric emergency intubation: A randomized controlled trial
$368,290

Paul Heath, MBBS, FRCPCH
St. George’s, University of London
Acellular pertussis vaccination in pregnancy: the impact of timing of vaccination on antibody response in infants
$359,241

Timothy Julian, MSc, PhD
Eawag
Impact of water chlorination on children’s carriage of antimicrobial-resistant bacteria
$321,959

Anup Katheria, MD
Sharp Mary Birch Hospital for Women & Newborns
2 year neurodevelopmental outcomes in premature infants receiving milking or delayed cord clamping
$531,788

Christine McGrath, PhD, MPH
University of Washington
Developing low-cost universal malnutrition screening for low-income countries
$437,983

Hussnain Mirza, MD, FAAP
Florida Hospital for Children
Treatment of delayed pulmonary transition in extremely preterm infants and broncho-pulmonary dysplasia
$362,624
Georg Schmölzer, MD, PhD
University of Alberta
Different chest compression techniques during neonatal resuscitation – a cluster randomized trial
$272,332

Gregory Sokol, MD
University of Alberta
Physiological approach to sodium supplementation in preterm infants
$386,077

2019

Sonia Bonifacio, MD
Stanford University School of Medicine
TIME Study: An RCT of therapeutic hypothermia for infants with mild encephalopathy in California
$372,711

Jacob Dal-Bianco, MD
Massachusetts General Hospital
Identifying and preventing rheumatic heart valve disease progression
$395,992

Andrew DiNardo, MD
Baylor College of Medicine
Restoration of BCG immunity after helminth-induced epigenetic-mediated immune exhaustion
$349,088

Adrian Martineau, MRCP, PhD, FRSB
Queen Mary University of London
Trial of high-dose vitamin D in the treatment of complicated severe acute malnutrition (ViDiSAM)
$538,232

Marc Rothenberg, MD, PhD
Cincinnati Children’s Hospital Medical Center
Eosinophil progenitor level as a biomarker for disease activity in eosinophilic esophagitis
$395,900

Tobias Strunk, MD, PhD, FRACP
University of Western Australia
Topical coconut oil to prevent late-onset sepsis in extremely preterm infants: a cluster-randomized clinical trial
$363,010

Elizabeth Stenger, MD, MSc
Emory University
Acute GVHD suppression using co-stimulation blockade to expand nonmalignant transplant (ASCENT)
$336,355

Rena Patel, MD, PhD
University of Washington
Using novel point-of-care HIV drug resistance testing to optimize viral suppression rates among children living with HIV (Opt4Kidsplus)
$411,465

Sarah Mulkay, MD, PhD
Children’s National Medical Center
Developmental outcome after in utero ZIKV exposure in children Without congenital zika syndrome
$429,786
Many bright, young investigators find it challenging to secure funding for their innovative research ideas, yet this next generation of researchers is vital for finding solutions to children’s health problems. To solve this issue, Thrasher Research Fund provides smaller grants to promising researchers, giving them an introduction into the world of pediatric clinical research. Established in 2006, the Early Career Award Program provides $25,000 grants to the most promising young researchers and has awarded over 250 of these grants since the program’s inception.

Well-qualified recipients from around the world are awarded this grant each year through two funding cycles, providing them the necessary resources to conduct their own research under the guidance of a mentor. During 2018 and 2019, 70 new grants were given to young researchers investigating some of the most important problems facing children around the world.

Over the past two years, Early Career Award recipients have not only made substantial contributions to children’s health worldwide, but they’ve also jump-started their careers as lifelong researchers committed to reducing child morbidity and mortality. They have made presentations at prestigious conferences such as Experimental Biology and the Pediatric Academic Societies, as well as publishing in journals such as The Lancet, The New England Journal of Medicine, and the Journal of the American Medical Association. We look forward to their future success in tackling health problems and improving the lives of children.
Early Career Award Recipients 2018

Aviva Aiden, MD, PhD
Baylor College of Medicine
Diagnosing infection and antibiotic resistance using 3D-genome-based genome assemblies
Mentors: Erez Aiden, PhD; James Dunn, PhD

Adam Bensimhon, MD
Duke University
Pharmacokinetics of Cefepime in children receiving continuous renal replacement therapy
Mentors: Rasheed Gbadegesin, MD; Kevin Watt, MD, PhD

Karen Best, RN, RM, PhD
South Australian Health & Medical Research Institute
The effect of maternal unmetabolized folic acid on allergic disease in the infant
Mentors: Tim Green, PhD; Debbie Palmer, BSc, BND, PhD; Maria Makrides, BSc, PhD, RD

Meredith Brooks, PhD, MPH
Harvard Medical School
Optimizing diagnostic algorithms for prompt detection of childhood tuberculosis
Mentor: Mercedes Becerra, ScD

Red Chamberlain, MD
Duke University
Evaluating post-op AKI criteria in infants with CHD and the protective effects of acetaminophen
Mentors: Kevin Hill, MD, MS; Christoph Hornik, MD

Tegan Cheng, PhD
The Sydney Children’s Hospitals Network
Printhotics—Deep learning to optimize and personalize 3D printed pediatric medical devices
Mentor: Joshua Burns, PhD

Mary Crocker, MD, MPH
Seattle Children’s Hospital
Lung ultrasound and digital auscultation for discrimination between viral and non-viral respiratory illnesses
Mentors: Margaret Rosenfield, MD, MPH; William Checkley, MD, PhD

Matthew Cummings, MD
Columbia University Medical Center
Precision detection and characterization of pediatric severe acute respiratory infection in Uganda
Mentors: Max O’Donnell, MD, MPH; Patrick Wilson, MD, MPH; W. Ian Lipkin, MD

Kathleen Dantzler, PhD
Stanford University School of Medicine
Impact of recurrent malaria on gamma delta (γδ) T-cell-mediated trained immunity
Mentor: Prasanna Jagannathan, MD

Kendall German, MD
University of Washington
Urine F2-Isoprostanes and oxidative stress in ELGANs and correlation with iron administration
Mentors: Sandra Juul, MD, PhD, FAAP; Pratik Parikh, MD

Sabrina Gmuca, MD
Children’s Hospital of Philadelphia
Complications of extended antibiotic therapy and the misdiagnosis of chronic Lyme disease
Mentors: Jeffrey Gerber, MD, PhD, MSCE; David Sherry, MD

Jacob Greenberg, MD, MSCI
Washington University in St. Louis
Clinical decision support for managing children with mild head injuries and intracranial injury
Mentors: David Limbrick, MD, PhD; Randi Foraker, PhD, MA; Nathan Kuppermann, MD, MPH

Stuart Hamilton, BSc, PhD
University of New South Wales
Therapeutic strategies for the prevention and treatment of congenital cytomegalovirus disease
Mentors: William Rawlinson, MBBS, FRACP, PhD; Manfred Marschall, MD

Wesley Jackson, MD, MPH
University of North Carolina
Pharmacokinetics and safety of caffeine in infants with hypoxic-ischemic encephalopathy
Mentors: Matthew Laughon, MD, MPH; Daniel Gonzalez, PharmD, PhD

Haik Kalantarian, MS, PhD
Stanford University
A system for social training and progress tracking for children with autism spectrum disorder
Mentor: Dennis Wai, PhD

Crystal Karakachuk, PhD, RD
University of British Columbia
High-dose folic acid supplementation in children with sickle cell disease: Friend or foe?
Mentors: Angela Devlin, PhD; John Wu, PhD, MD; Suzanne Vercouteren, PhD, MD

Jana Krystofova, MD, PhD
University of California, San Francisco
The role of arsinase in neuroinflammation after neonatal hypoxic-ischemic brain injury
Mentor: Donna Ferriero, MD, MS

Leila Larson, PhD, MPH
University of Melbourne
The influence of hepcidin on benefits and risks of iron supplementation in Bangladeshi children
Mentors: Santi-Rayn Pasricha, MBBS (Hons) MPH PhD FRACP FRCPA; Beverly-Ann Biggs, MB, BS, PhD

Janessa Law, MD
University of Washington
Stem cells in addition to hypothermia for neuroprotection in perinatal hypoxic-ischemic brain injury
Mentors: Evan Snyder, MD, PhD; Sandra Juul, MD, PhD; FAAP

Maria Moncada-Velez, PhD
Johns Hopkins Bloomberg School of Public Health
Examining childhood immunity to Leishmania parasites as a path to smarter therapies
Mentors: Janet Markle, PhD, MPH; Jose Franco, MD, PhD

Ken Morita, MD, PhD
Dana-Farber Cancer Institute
Synthesizing novel activators of PP2A in T-ALL cells
Mentor: A. Thomas Look, MD

Alison Nair, MD
University of California, San Francisco
Mechanisms and outcomes in children with acute traumatic coagulopathy
Mentors: Shibani Pati, MD, PhD; Philip Spinella, MD
Audrey Nath, MD, PhD
Baylor College of Medicine
Language localization in pediatric epilepsy patients using novel, task-free neuroimaging techniques
Mentors: Sameer Sheth, MD, PhD; Brett Foster, PhD

Gaston Ofman, MD, FAAP
Fundación INFANT
Novel immunologic and physiologic predictors of pediatric lung disease in premature children: A prospective cohort study
Mentors: Fernando Polack, MD; Adnan Custovic, DM, MD, PhD, FRCP; Peter Sly, MBBCh, MD, DSc, FRACP

Sweta Patel, MD
Duke University
The effect of household air pollution on the health outcomes of infants in Botswana
Mentors: Matthew Kelly, MD, MPH; Junfeng (Jim) Zhang, PhD

Katherine Satrom, MD
University of Minnesota
Smartphone phototherapy irradiance meter for neonatal jaundice
Mentors: Tina Slusher, MD; Isa Abdulkadir, MD

Danielle Sipsock, MD
Brown University
Defining the neurocognitive profile of depression in adolescents with autism to improve diagnosis
Mentor: Stephan Sherkopf, PhD

Luke Smart, MD
Cincinnati Children’s Hospital Medical Center
Bedside expedited testing for anemia (BETA)
Mentors: Russell Ware, MD, PhD; Patrick McGann, MD, MS

Daria Szkwarko, DO, MPH
Kent Hospital
Using a mobile application to improve pediatric presumptive TB identification in western Kenya
Mentors: E. Jane Carter, MD; Charles Eaton, MD, MS; Anna Mandalakas, MD

Matthew Taylor, MD
The Feinstein Institute for Medical Research
Contributions of memory (CD4 and CD8 T Cells) to sepsis induced immune and organ dysfunction
Mentors: Clifford Deutschman, MD, MS; Barbara Sherry, PhD

Sky Vanderburg, MD, MPH
Duke University
Predicting severity and etiology of acute lower respiratory tract infections with lung ultrasound
Mentors: Christopher Woods, MD, MPH; Gayani Tillekeratne, MD, MSc

Toss Wallace, PhD
Boston Children’s Hospital
Robust motion correction for improved MRI of unsedated children with autism spectrum disorder
Mentor: Simon Warfield, PhD

Katharine Walter, PhD
Stanford University School of Medicine
Reconstructing patterns of virus spread and evolution for prevention of childhood infections
Mentors: Yvonne (Bonnie) Maldonado, MD; Jason Andrews, MD, SM, DTM&H

Jeffrey Winer, PhD
Boston Children’s Hospital
Transdiagnostic group treatment for refugee and immigrant youth: An intervention study
Mentor: B. Heidi Ellis, PhD

Yao Wu, PhD
Children’s Research Institute
Brain development in fetuses with congenital heart disease
Mentors: Catherine Limperopoulos, PhD; Mary Donofrio, MD
Rupsa Boelig, MD  
Thomas Jefferson University  
Azithromycin pharmacokinetics and pharmacodynamics in pregnancy and preterm birth prevention: Optimizing dosing to improve maternal and neonatal outcomes  
Mentors: Athena Zuppa, MD; Walter Kraft, MD

Pau Castel, PhD  
University of California, San Francisco  
A preclinical trial of MEK inhibitor as a therapeutic approach for Noonan syndrome  
Mentors: Frank McCormick, PhD; Katherine Rauen, MD, PhD

Dillon Chen, MD, PhD  
University of California, San Diego  
A simple method to detect neurologic disease in neonates  
Mentors: Todd Coleman, PhD; Jeffrey Gold, MD, PhD

May Chen, MD  
Johns Hopkins University School of Medicine  
Caffeine-mediated augmentation of mitochondrial p27 as a novel neurotherapeutic for neonatal HIE  
Mentors: Jennifer Lee, MD; Lee Martin, PhD

Emily Ciccone, MD, MHS  
University of North Carolina School of Medicine  
Caffeine-mediated augmentation of mitochondrial p27 as a novel neurotherapeutic for neonatal HIE  
Mentors: Jennifer Lee, MD; Lee Martin, PhD

Sarah Commander, MD  
Duke University  
Perioperative tissue penetration of antimicrobials in infants  
Mentors: Christoph Honik, MD; Elisabeth (Lisa) Tracy, MD; Michael Cohen-Wolkowiez, MD, PhD

Christina Cruz, MD, EdM  
University of North Carolina  
Acceptability of task-shifting children’s mental health care to classroom teachers in Darjeeling  
Mentors: Bradley Gaynes, MD, MPH

Ankana Daga, MD  
Boston Children’s Hospital  
Chronic kidney disease in Honduras and Guatemala  
Mentors: Friedhelm Hildebrandt, MD; Randall Lou-Meda, MD

Peter De Cock, PharmD, PhD  
Ghent University Hospital  
Estimation of renal function in critically ill neonates, infants and children  
Mentor: Johan Vandaele, MD, PhD

Emily Deichsel, MPH, PhD  
University of Maryland School of Medicine  
The effect of azithromycin and microbiome composition on infant rotavirus vaccine immunogenicity  
Mentors: Karen Kotloff, MD; Jacques Ravel, PhD

Santosh George, PhD  
Yale University  
Development of tools to detect deworming drug resistance in children with hookworm infection  
Mentors: Michael Cappello, MD; Michael Wilson, PhD

Gerard Gonzales, BSc, MSc, PhD  
Ghent University  
Investigating the role of extracellular matrix remodeling in oedematous severe acute malnutrition: A validation study  
Mentors: James Borkley, FRCPCH, FMedSci; Debby Laukens, PhD; Robert Bandsma, MD, PhD

Sarah Gunter, PhD, MPH  
Baylor College of Medicine  
Epidemiologic investigation of emergent spotted fever group rickettsioses in Belize  
Mentor: Kristy Murray, DVM, PhD

Rachel Hawe, DPT, PhD  
University of Calgary  
Robotic rehabilitation and brain stimulation for children with hemiparetic cerebral palsy  
Mentors: Sean Sukaitis, MD, PhD; C. Adam Kirton, MD
D. Taylor Hendrixson, MD  
Washington University in St. Louis  
Effect of an alternative RUTF on intestinal permeability in children with severe acute malnutrition  
Mentor: Mark Manary, MD

Alisa Kachikis, MD  
University of Washington  
Protection of high-risk infants via maternal antibody: the impact of fetal growth restriction  
Mentors: Janet Englund, MD; Linda Eckert, MD; Michael Gravett, MD

Mufaro Kanyangarara, PhD  
University of South Carolina  
Hypothermia prevention in low birthweight and preterm infants  
Mentor: Robin Dai, PhD, RN, FAAN

Ivan Lee, MD, PhD  
Stanford University School of Medicine  
Endotyping pediatric chronic rhinosinusitis using multiplexed imaging and mass cytometry  
Mentors: Garry Nolan, PhD; Jayakar Nayak, MD, PhD

R. Brad Linstead, MD  
Children’s Hospital of Philadelphia  
Serial high-dimensional immunophenotyping and functional testing in pediatric MODS (PARADIGM-SHIFT)  
Mentors: E. John Wherry, PhD; Athena Zuppa, MD; Mark Hall, MD

Lindsey Locks, ScD, MPH  
Boston University  
Iron-deficiency and non-iron-deficiency anemia in pregnancy and infant health in India  
Mentors: Patricia Hibberd, MD, PhD; Archana Patel, MD, DNBI (Pediatrics), MSCE, PhD

Anil Maharaj, PhD  
Duke University  
Evaluation of the effects of childhood obesity on drug dosing  
Mentors: Kevin Watt, MD, PhD; Michael Cohen-Wolkowiez, MD, PhD

Hiba Mustafa, MD  
University of Minnesota  
Liposomal Bupivacaine pharmacokinetics and breast milk excretion after cesarean delivery  
Mentor: Michael Todd, MD

Mary Lauren Neel, MD, MSC  
 Nationwide Children’s Hospital  
 Early risk identification and neural mechanisms of parent-infant interactions in preterm infants  
Mentor: Nathalie Maitre, MD, PhD

Zannurat Noor, PhD  
ICDDR,B  
Development of an effective treatment of Cryptosporidiosis in Bangladeshi children  
Mentors: Rashidul Haque, PhD; Carol Gilchrist, PhD; William Peto, MD, PhD

Uduak Okonobio, MBChB, FWAACP, MSc, PhD  
MRC Unit The Gambia at LSHTM  
Incidence and aetiology of viral infections among African newborns with suspected bacterial sepsis  
Mentor: Beate Kampmann, MD, PhD, DTM&H, FRCPCH

Jessie Oldham, PhD  
Boston Children’s Hospital  
A multifaceted assessment of post-concussion adolescent startle response and injury  
Mentors: William Meehan, MD; Marcela Pasetti, PhD; Rebekah Mannix, MD, MPH

Beth Pines, MS, PhD  
UT Health Science Center at Houston  
Ambulation for latency during expectant management of PPROM: A randomized controlled trial (AMBLE)  
Mentors: Baha Sibai, MD; Sunnet Chauhan, MD, Hon DSc

Stephanie Shau, PhD, MPH  
Rutgers, The State University of New Jersey  
Signature immune activation markers of growth and infectious morbidity in HEU children  
Mentors: Jennifer Jao, MD; Stephen Arpadi, MD

Jeffrey SoRelle, MD  
UT Southwest Medical Center  
Confirming mendelian genetic causes of pediatric food allergy  
Mentors: Bruce Beutler, MD; J. Andrew Bird, MD

Neil Stewart, PhD  
Cincinnati Children’s Hospital Medical Center  
Rapid, multi-functional MRI for infant lung disease  
Mentors: Jason Woods, PhD; Jim Wild, PhD

Ashley Styczynski, MD, MPH  
Stanford University  
Evaluating the role of vertical transmission of antimicrobial resistance in neonatal sepsis and infectious morbidity in HEU children  
Mentor: Stephen Luby, MD

Matthew Vogt, MD, PhD  
Vanderbilt University Medical Center  
The role of human antibody in enterovirus D68 associated acute flaccid myelitis  
Mentors: James Crowe, MD; David Kimberlin, MD

Alberta Wang, MD, MS  
Brigham & Women’s Hospital  
Role of methylation quantitative trait loci in pediatric asthma inhaled corticosteroid response  
Mentors: Kelyn Tankinsia, MD, MPH; Scott Weiss, MD, MS

Marnie Winter, PhD  
University of South Australia  
Circulating fetal cells: A new paradigm for the early detection and treatment of pre-eclampsia  
Mentor: Benjamin Thierry, PhD

Yanjia Zhang, MD, PhD  
Boston Children’s Hospital  
Gut microbial signals that influence food preference and appetite regulation in obesity  
Mentors: Eric Alm, PhD; Camilla Richmond, MD
Thrasher Financials
Statement of Financial Position—December 31, 2018 and 2019

<table>
<thead>
<tr>
<th></th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and Receivables</td>
<td>$10,191,671</td>
<td>$8,933,644</td>
</tr>
<tr>
<td>Investments</td>
<td>$96,961,568</td>
<td>$113,138,166</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td>$107,153,229</td>
<td>$114,031,810</td>
</tr>
<tr>
<td><strong>Liabilities and Net Assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants Payable</td>
<td>$7,427,039</td>
<td>$8,050,445</td>
</tr>
<tr>
<td>Other Payable</td>
<td>$9,998,484</td>
<td>$787,418</td>
</tr>
<tr>
<td><strong>Total Liabilities</strong></td>
<td>$17,425,523</td>
<td>$8,837,863</td>
</tr>
<tr>
<td><strong>Net Assets</strong></td>
<td>$89,727,706</td>
<td>$105,193,947</td>
</tr>
<tr>
<td><strong>Total Liabilities and Net Assets</strong></td>
<td>$107,153,229</td>
<td>$114,031,810</td>
</tr>
</tbody>
</table>

Statement of Activities and Changes in Net Assets
Ended December 31, 2018 and 2019

<table>
<thead>
<tr>
<th></th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interest and Dividends from Investments</td>
<td>$2,629,478</td>
<td>$2,372,125</td>
</tr>
<tr>
<td>Miscellaneous Income</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Net Realized and Unrealized Gain/(Loss) on Investments</td>
<td>$4,422,654</td>
<td>$10,795,959</td>
</tr>
<tr>
<td>Contributed Services</td>
<td>$1,234,400</td>
<td>$1,067,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$5,588,778</td>
<td>$14,235,084</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Grants</td>
<td>$4,094,859</td>
<td>$4,057,633</td>
</tr>
<tr>
<td>Contributed Services</td>
<td>$1,234,400</td>
<td>$959,000</td>
</tr>
<tr>
<td>General and Administrative</td>
<td>$793,126</td>
<td>$714,185</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$6,122,385</td>
<td>$5,730,818</td>
</tr>
<tr>
<td><strong>Excess/(Deficiency) in Revenues Over Expenses</strong></td>
<td>$6,681,464</td>
<td>$8,504,266</td>
</tr>
<tr>
<td><strong>Net Assets at Beginning of Year</strong></td>
<td>$96,262,025</td>
<td>$89,727,706</td>
</tr>
<tr>
<td>Retirement/Medical Expense</td>
<td>$148,842</td>
<td>$141,081</td>
</tr>
<tr>
<td><strong>Net Assets at End of Year</strong></td>
<td>$99,710,867</td>
<td>$105,193,947</td>
</tr>
</tbody>
</table>

Advisory Committee

Carl Bose, MD  
(Co-Chair)
Professor of Pediatrics
Division of Neonatal-Perinatal Medicine  
University of North Carolina School of Medicine at Chapel Hill

Yvonne Wu, MD, MPH  
(Co-Chair)
Professor of Neurology and Pediatrics  
University of California, San Francisco

Michael Cohen-Wolkowiez, MD, PhD  
Professor of Pediatrics  
Director Pharmacometrics Center  
Duke Clinical Research Institute

Kathryn Dowey, PhD  
Distinguished Professor Emerita, Department of Nutrition  
Director, Program in International and Community Nutrition  
University of California, Davis

Kathryn Edwards, MD  
Sarah H. Sell and Cornelius Vanderbilt Chair in Pediatrics  
Professor of Pediatrics  
Director, Vaccine Research Program  
Division of Infectious Diseases  
Vanderbilt University School of Medicine

Chandy John, MD, MS  
Ryan White Professor of Pediatrics  
Professor of Microbiology and Immunology  
Professor of Medicine  
Division Chief, Pediatric Infectious Disease  
Director, Ryan White Center for Pediatric Infectious Disease and Global Health  
Indiana University School of Medicine  
Riley Hospital for Children at Indiana University Health

Heather Keenan, MDCM, PhD  
Professor of Pediatrics  
Division of Critical Care  
Director, PCAT Scholars Program  
Department of Pediatrics  
University of Utah

Fernando Polack, MD  
Cesar Milstein Professor of Pediatrics  
Department of Pediatrics  
Vanderbilt University Medical Center  
Director, Fundación INFANT, Argentina

Executive Committee

Andria Ruth, MD  
(Chair)  
Santa Barbara Neighborhood Clinic

Daniel Benjamin Jr., M.D., MPH, Ph.D.  
Kiser Arena Distinguished Professor of Pediatrics  
Chair, Pediatric Trials Network  
Faculty Associate Director, Duke Clinical Research Institute  
Duke University

Catherine Gordon, MD, MS  
Chief, Division of Adolescent/Young Adult Medicine  
Director, Bone Health Program  
Professor of Pediatrics  
Harvard Medical School

Devon Hale, MD  
Department of Internal Medicine  
Professor (Clinical) Emeritus  
University of Utah School of Medicine

Paul Moore, MD  
Director, Pediatric Allergy, Immunology and Pulmonary Medicine  
Professor of Pediatrics and Pharmacology  
Vanderbilt University Medical Center

Len Novilla, MD, MPH  
Associate Professor  
Department of Public Health  
Brigham Young University

John Susa, PhD  
Retired, Brown University

Mark Underwood, MD, MAS  
Chief of Pediatric Neonatology  
Professor of Pediatrics  
University of California, Davis
Selected Publications

E.W. “Al” Thrasher Awards

Dr. Björn Pasternak, Karolinska Institutet
Pasternak, Björn, Victor Wintzell, Kari Furu, Anders Engeland, Martin Neovius, and Ofö Stephansson.
“Oral Fluconazole in Pregnancy and Risk of Stillbirth and Neonatal Death.”
JAMA 310, no. 22 (2018): 2353-2355.

Dr. Anup Kathena, Sharp Mary Birch Hospital for Women & Newborns
“A Randomized Clinical Trial of Umbilical Cord Milking vs Delayed Cord Clamping in Preterm Infants: Neurodevelopmental Outcomes at 22-26 Months of Corrected Age.”

Dr. Christine Stewart, University of California, Davis
“Effects of lipid-based nutrient supplements and infant and young child feeding counseling with or without improved water, sanitation, and hygiene (WASH) on anemia and micronutrient status: results from 2 cluster-randomized trials in Kenya and Bangladesh.”

Dr. Mary Ellen McCann, Harvard Medical School
McCann, Mary Ellen, Jurgen C. De Graaff, Liam Dorris, Nicola Disma, Davinia Withington, Graham Bell, Anneke Grobler et al.
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