

# Announcing New Physicians and Researchers at the Heart Institute

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Jeffrey Robbins, PhD



Jeffrey Towbin, MD



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## Jeffrey Anderson, MD Electrophysiology

**Appointment:** Instructor, University of Cincinnati College of Medicine

**Fellowship:** Pediatric Cardiology, Cincinnati Children's Hospital Medical Center

**Residency:** Pediatrics, University of North Carolina Children's Hospital

**MD:** University of Utah School of Medicine

**Awards:** American Academy of Pediatrics, Council on Cardiology and Cardiovascular Surgery, Young Investigator Award, 2008

**Research Publication:** Lower weight-for-age z-score adversely affects short-term outcomes after bidirectional Glenn procedure in 100 infants with a single ventricle. *Journal of Thoracic and Cardiovascular Surgery*, 2009 Aug; 138(2): 397-404. Anderson JB, Beekman RH, Eghtesady P, Uzark K, Kalkwarf H, Marino BS

## Allison Divanović, MD Pediatric Cardiology and Fetal Cardiology

**Appointment:** Assistant Professor, University of Cincinnati College of Medicine

**Fellowship:** Pediatric Cardiology, Cincinnati Children's Hospital Medical Center

**Residency:** Pediatrics, Cincinnati Children's Hospital Medical Center

**MD:** University of Cincinnati College of Medicine

**Peer-reviewed publication:** Open-chest Epicardial Approach to Transcatheter Pulmonary Artery Stenting Following Heart Transplantation in an Infant. *Congenital Heart Disease*, 2007; Vol 2 (1): 64-69 (6). Gudauskas TM, Pearl J, Dent CL, Kim E, Divanović A, Spicer R, Beekman RH

**Abstract:** Progression of Fetal Diastolic Dysfunction in Twin-Twin Transfusion Syndrome: Pathophysiologic Insights from Pulsed-Wave and Tissue Doppler Imaging. Oral platform presentation at American Heart Association Scientific Sessions, November 2008. Oral presentation at 2009 Boat Lectures. Divanović A, Border W, Cnota J, Crombleholme T, Michelfelder E

**Research Activities:** Cardiovascular Function in Twin-Twin Transfusion Syndrome, Fetal Pulmonary Venous Doppler Profiles in Critical Left-heart Obstruction



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### A note from the Heart Institute Co-Directors:

Cincinnati Children's Heart Institute is proud to announce nine new hires in the Divisions of Cardiology, Cardiothoracic Surgery and Molecular Cardiovascular Biology.

The hiring of these new clinicians and researchers is only the beginning; the Heart Institute plans on adding as many as 35 over the next five years. This reflects our commitment to bringing the best and the brightest on board to help us understand and solve the problems of childhood heart disease. In this way, we hope to share the benefits of our findings with you and your patients.

### Heart Institute Vital Stats (FY09)

Number of physicians and researchers conducting research: 39

Total direct grant funding: \$10 million, which includes 4 major program grants and 14 individual grants from the NIH

Peer-reviewed publications: 113



### Haleh Heydarian, MD Echocardiography

**Appointment:** Instructor, University of Cincinnati College of Medicine

**Fellowship:** Pediatric Cardiology, Cincinnati Children's Hospital Medical Center

**Residency:** Pediatrics, Nationwide Children's Hospital

**MD:** Marshall University, School of Medicine

**Research Interests:** Dyssynchrony, quality improvement

**Presentation:** Echocardiographic Characterization of Mechanical Dyssynchrony In Single Ventricle Patients Following Fontan Palliation; American College of Cardiology 58th Annual Scientific Session, 2009

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### Beth Ann Johnson, MD Cardiac Intensive Care; Neonatology

**Appointment:** Assistant Professor, University of Cincinnati College of Medicine

**Fellowships:** Neonatal/Perinatal Medicine, Children's Hospital of Wisconsin; Pediatric Cardiology, Children's Hospital of Wisconsin; Pediatric Critical Care, Children's Hospital of Philadelphia

**Residency:** Combined Pediatrics and Child Psychiatry, University of Texas Health Science Center

**MD:** University of Illinois

**Peer-Reviewed Publication:** Variability in the Preoperative Management of Infants with Hypoplastic Left Heart Syndrome. *Pediatric Cardiology*. 29(3): 515-520, 2008. Johnson BA, Mussatto K, Uhing MR, Zimmerman H, Tweddell JS, Ghanayem N

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### Erin Miller, MS Cardiovascular Genetics

**Title:** Genetic Counselor

**MS:** Genetic Counseling, Indiana University, College of Medicine

**BS:** Bachelor of Science in Psychology, Pre-Medicine Minor, University of Arizona

**Board Certification:** American Board of Medical Genetics 2007

**Special Interests:** Cardiomyopathy, cardiovascular genetics

**Original publication:** Pediatric restrictive cardiomyopathy associated with a mutation in beta-myosin heavy chain. *Clinical Genetics* 2008; 73(2): 165-70. Ware SM, Quinn ME, Ballard ET, Miller E, Uzark K, Spicer RL

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### Enkhsaikhan Purevjav, PhD Molecular Cardiovascular Biology

**Appointment:** Assistant Professor, University of Cincinnati College of Medicine

**Fellowships:** Department of Pediatrics, National Medical University of Mongolia; Graduate research fellow, Department of Pediatrics, Shimane Medical University, Japan; Postdoctoral Fellowship, American Heart Association, Baylor College of Medicine

**Residency:** Pediatric Cardiology, Saint Petersburg State Pediatric Medical Academy, Russia

**MD:** Leningrad Medical Pediatric Institute, Russia

**PhD:** Department of Pediatrics, Shimane Medical University, Japan

**Awards:** 2007 Fellow's Basic Research Award, Japan Pediatric Society; 2006 Fellow's Basic Research Award, Society of Pediatric Research

**Research Interests:** Molecular study of cardiovascular diseases; expression of various proteins in bacteria, different types of cells and tissue; mouse models for inherited and acquired dilated cardiomyopathy

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### Jeffrey Shuhaiber, MD Cardiothoracic Surgery

**Appointment:** Assistant Professor of Surgery, University of Cincinnati College of Medicine

**Fellowships:** Pediatric Heart Surgery, Children's Hospital Boston; Transplantation and Adult Cardiothoracic Surgery, Papworth Hospital, University of Cambridge; Adult and Pediatric Congenital Heart, Royal Brompton Hospital and Harefield Hospital, Imperial College of Medicine

**Residency:** General surgery residency, University of Illinois; Cardiothoracic Surgery Residency, Loyola University

**MD:** Guy's, King's and St Thomas School of Medicine, England

**Published manuscripts:** Current options and outcomes for the management of atrioventricular septal defect. *European Journal of Cardiothoracic Surgery*. 2009 May; 35(5): 891-900. Epub 2009 Feb 24. PubMed PMID: 19243971. Shuhaiber JH, Ho SY, Rigby M, Sethia B

The implications of outcome predictors when transitioning from arterial to double-switch surgery. *Journal of Thoracic and Cardiovascular Surgery*. 2009 Jul;138(1):257-8. PubMed PMID: 19577105. Shuhaiber J

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**Robert Siegel, MD**  
Director of the Center for Better Health and Nutrition

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**Appointment:** Professor, University of Cincinnati College of Medicine

**Fellowship:** Pediatric Infectious Diseases, Cincinnati Children's Hospital Medical Center

**Residency:** Pediatrics, Cincinnati Children's Hospital Medical Center

**MD:** New York University School of Medicine

**Peer-Reviewed Publication:** A Six Month Office-Based Low Carbohydrate Diet Intervention in Obese Teens. *Clinical Pediatrics*. 2009; 48: 745-749. Siegel RM, Rich W, Joseph EC, Linhardt J, Knight K, Khoury J, Daniels, SR

**Invited lectures:** "Clinical Risk Issues in Obese Children." Obesity Symposium: Risk Management Implications. Columbus, OH, October 27, 2006

**Clinical and research interests:** Prevention and treatment of obesity; low-carbohydrate diet

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**Josh Waxman, PhD**  
Molecular Cardiovascular Biology

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**Appointment:** Assistant Professor, University of Cincinnati College of Medicine

**Post-Doctoral Fellowship:** Developmental Genetics Program, NYU School of Medicine

**Fellowship:** NRSA Individual Postdoctoral Fellowship, NYU School of Medicine; NIH Pathway to Independence Award

**PhD:** Molecular and Cellular Biology, University of Washington

**Publication:** Hoxb5b acts downstream of retinoic acid signaling in the forelimb field to restrict cardiac cell number in zebrafish. *Developmental Cell*. 15, 923-934. Waxman JS, Keegan BR, Roberts RW, Poss KD and Yelon D (2008)

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## About Cincinnati Children's Heart Institute

Cincinnati Children's Heart Institute was established in summer 2008. The Heart Institute was developed to facilitate collaboration between our basic, translational and clinical research and clinical care.

The Heart Institute merges the diverse activities of clinical care, laboratory research, education and outcomes improvement into a structure that encourages and drives the exchange of information between bench and bedside.

Our goal is to enable researchers and clinicians to share their insights and discoveries more easily, so that they can develop and deliver new treatment approaches that "change the outcome" for patients more quickly and effectively.

