

CURRICULUM VITAE

VIDU GARG, MD, F.A.A.P., F.A.H.A., F.A.C.C.

PRESENT TITLE AND AFFILIATION

Director
Center for Cardiovascular Research
Abigail Wexner Research Institute at Nationwide Children's Hospital

Director of Translational Research
The Heart Center
Nationwide Children's Hospital

Nationwide Foundation Endowed Chair in Cardiovascular Research
Nationwide Children's Hospital

Pediatric Cardiologist
Heart Center
Nationwide Children's Hospital

Professor (with tenure)
Department of Pediatrics
The Ohio State University, College of Medicine

Professor (adjunct)
Department of Molecular Genetics
The Ohio State University, College of Arts and Sciences

CITIZENSHIP AND VISA STATUS

U.S. Citizen

OFFICE ADDRESS

Center for Cardiovascular Research, Abigail Wexner Research Institute & The Heart Center
Nationwide Children's Hospital
700 Children's Drive, WB4239, Columbus, Ohio 43205
Office: (614) 355-5710 Fax: (614) 355-5725
Email: Vidu.Garg@NationwideChildrens.org

EDUCATION

UNDERGRADUATE EDUCATION

6/1988-8/1992	Cooperative Six Year B.S./M.D. Program	B.S.
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The Pennsylvania State University
University Park, Pennsylvania

GRADUATE EDUCATION

9/1990-6/1994	Cooperative Six Year B.S./M.D. Program Sidney Kimmel (Jefferson) Medical College Thomas Jefferson University Philadelphia, Pennsylvania	M.D.
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POST-GRADUATE EDUCATION & TRAINING

1994-1997	Nationwide Children's Hospital Columbus, Ohio	Internship & Residency in Pediatrics
1997-2000	Children's Medical Center, Dallas UT Southwestern Medical Center Dallas, Texas	Fellowship in Pediatric Cardiology
2000-2002	Dept. of Molecular Biology UT Southwestern Medical Center Dallas, Texas Chair: Eric N. Olson, PhD	Postdoctoral Research Fellowship in Cardiac Development and Cardiovascular Genetics Mentor: Deepak Srivastava, MD

OTHER EDUCATIONAL PROGRAMS

1987	Harvard University Summer Program Cambridge, Massachusetts
2003	Short Course on Genetic Approaches to Complex Heart, Lung, Blood Diseases The Jackson Laboratory Bar Harbor, Maine
2010-2012	Medical Leadership Program Nationwide Children's Hospital Columbus, Ohio

ACADEMIC APPOINTMENTS

1994 - 1997	Clinical Instructor Department of Pediatrics The Ohio State University College of Medicine Columbus, Ohio
2000 - 2002	Assistant Instructor Department of Pediatrics, Division of Pediatric Cardiology University of Texas Southwestern Medical Center

	Dallas, Texas
2002 - 2009	Assistant Professor Department of Pediatrics, Division of Pediatric Cardiology University of Texas Southwestern Medical Center Dallas, Texas
2005 - 2009	Assistant Professor (adjunct) Department of Molecular Biology Graduate School of Biomedical Sciences University of Texas Southwestern Medical Center Dallas, Texas
2005 - 2009	Assistant Professor (adjunct) McDermott Center of Human Growth and Development University of Texas Southwestern Medical Center Dallas, Texas
2009 - 2016	Associate Professor (with tenure) Department of Pediatrics The Ohio State University College of Medicine Columbus, Ohio
2009 – present	Investigator Davis, Heart & Lung Research Institute The Ohio State University College of Medicine Columbus, Ohio
2011 – present	Affiliated Professor (adjunct faculty) Department of Molecular Genetics The Ohio State University College of Arts and Sciences Columbus, Ohio
2016 – present	Professor (with tenure) Department of Pediatrics The Ohio State University College of Medicine Columbus, Ohio

STATE LICENSURE AND CERTIFICATIONS

LICENSURE

1995 – present	State of Ohio Medical License No. 35-06-9464 (active)
1999 – 2010	State of Texas Medical License No. K7020 (inactive)

CERTIFICATIONS

- 1997 American Board of Pediatrics
Certification, 10/8/1997
Recertification, 11/30/2011
- 2000 Sub-board of Pediatric Cardiology, American Board of Pediatrics
Certification, 8/7/2000; Recertification, 10/9/2007; 12/2017
Meeting Maintenance of Certification requirements (cycle ends 12/07/2026)

SERVICE

ACADEMIC ADMINISTRATIVE RESPONSIBILITIES

- 2009 - present Director of Translational Research
Heart Center
Nationwide Children's Hospital, Columbus, Ohio
- 2009 - present Chair
Research Resource Committee, Heart Center
Nationwide Children's Hospital, Columbus, Ohio
- 10/2014 - 09/2015 Interim Director
Center for Cardiovascular and Pulmonary Research
Nationwide Children's Hospital, Columbus, Ohio
- 10/2015 - present Director
Center for Cardiovascular Research
Nationwide Children's Hospital, Columbus, Ohio

INSTITUTIONAL/LOCAL ACTIVITIES

Educational Programs and Committees

- 2003 - 2004 Member, Department of Pediatrics Fellowship Program Review
Committee, UT Southwestern Medical School
- 2005 - 2009 Assistant Professor
Integrative Biology Graduate Program
University of Texas Southwestern Medical Center
Dallas, Texas
- 2010 - present Faculty member
Molecular, Cellular and Developmental Biology Graduate Program
The Ohio State University
Columbus, Ohio
- 2010 - present Faculty member
Integrated Biomedical Science Graduate Program

The Ohio State University
Columbus, Ohio

- 2011 - 2023 Member, Medical Student Research Program - Faculty Advisory Council
The Ohio State University College of Medicine
Columbus, Ohio
- 2011 - 2012 Member, K Award Development Program Committee
Research Institute at Nationwide Children's Hospital
Columbus, Ohio
- 2014 - 2023 Chair
Scholarship Oversight Committees for Pediatric Cardiology Fellows
Pediatric Cardiology Fellowship Program
Nationwide Children's Hospital
Columbus, Ohio
- 2015 - present Advisory Faculty Member
Medical Scientist Training Program (MSTP)
2016 - 2019 Member, Screening Committee (Admissions)
2023 - present Member, Interview Committee (Admissions)
The Ohio State University, College of Medicine
Columbus, Ohio
- 2018 Faculty participant, External Review
Molecular, Cellular and Developmental Biology Graduate Program
The Ohio State University
Columbus, Ohio
- 2018 - present Faculty member, Anatomy Graduate Program
Division of Anatomy
Department of Biomedical Education and Anatomy
The Ohio State University, College of Medicine
Columbus, Ohio

Hospital, Institute and Departmental Committees

- 2007 Member, Clinical Research Advisory Committee
Children's Medical Center Dallas
- 2010 - 2013 Member, Institutional Animal Care and Use Committee
Research Institute at Nationwide Children's Hospital
- 2010 - present Member, Research Conflict of Interest Committee
Research Institute at Nationwide Children's Hospital

2011	Member, Bioinformatics Commission Research Institute at Nationwide Children's Hospital
2011	Member, Clinical and Translational Research Conference Committee Research Institute at Nationwide Children's Hospital
2012	Member, Grant Review Panel for "Multi-Track Collaborative Center Pilots" Center for Clinical and Translational Science The Ohio State University
2012	Member GME Scholarship Award Review Committee Nationwide Children's Hospital
2012	Member, Search Committee, Vivarium Director Research Institute at Nationwide Children's Hospital
2014 - 2023	Member Promotion and Tenure Committee (Department-level) Department of Pediatrics, The Ohio State University
2016 - 2019	Member Promotion and Tenure Committee (College-level) The Ohio State University College of Medicine
2016	Member, Search Committee, Director of Biostatistics Core Research Institute at Nationwide Children's Hospital
2017 - 2019	Faculty Search Committee Center for Childhood Cancer and Blood Disorders Research Institute at Nationwide Children's Hospital
2017 - 2019; 2022 - 2023	Faculty Search Committee Center for Regenerative Medicine Research Institute at Nationwide Children's Hospital
2018 - 2019	Faculty Search Committee Battelle Center for Mathematical Medicine Research Institute at Nationwide Children's Hospital
2018 - 19; 2021-present	Faculty Search Committee Center for Gene Therapy Research Institute at Nationwide Children's Hospital
2020	Member, "TL1 Grant Study Section"

	Center for Clinical and Translational Science The Ohio State University
2020 - 2021	Heart Center Strategic Planning Executive Committee Nationwide Children's Hospital
2021 - present	Heart Center Grand Rounds Committee Nationwide Children's Hospital
2022 - 2023	Faculty Search Committee, member Department of Molecular Genetics, College of Arts and Sciences The Ohio State University
2022	Faculty Search Committee, member Pediatric Cardiology Division Chief, Department of Pediatrics The Ohio State University/Nationwide Children's Hospital
2022 - 2023	Faculty Search Committee, co-Chair Genetics & Genomic Medicine Division Chief, Department of Pediatrics The Ohio State University/Nationwide Children's Hospital
<i>Other</i>	
2010 - present	External referee for Promotion & Tenure Wake Forest University (2010), Albany Medical College (2015), Mount Sinai School of Medicine (2015, 2019, 2022), University of Southern California (2016), Medical University of South Carolina (2016), Case Western Reserve University (2018), University of North Carolina (2020, 2022), University of Massachusetts Medical School (2020, 2021), Columbia University (2020), University of Louisville School of Medicine, Baylor College of Medicine (2021), Indiana University (2022), Vanderbilt University (2023)
2010, 2011, 2014	Judge, Davis, Heart & Lung Research Institute Research Day The Ohio State University College of Medicine
2013 - present	American Heart Association Heart Walk Leadership Team - Nationwide Children's Hospital
2016, 2017, 2018	Judge, Research Retreat Research Institute at Nationwide Children's Hospital
2018, 2021	Judge, Poster Presentations (graduate student) Life Sciences Interdisciplinary Graduate Programs Symposium The Ohio State University

2021	Facilitator, “SOUL Hour”, Heart Center, Nationwide Children’s Hospital Initiative to increase communication and collaboration
2022-2023	Organizer, Heart Center Research Day, Nationwide Children’s Hospital (held on March 30, 2023)

REGIONAL ACTIVITIES

2008	Member, Grant Award Review Committee North and Central Texas Clinical and Translational Science Initiative Pilot
2012 - 2013	Member, Program Committee, 22q and You Conference, Nationwide Children’s Hospital
2013	Co-organizer, 2 nd Annual Midwest Valve Day, Nationwide Children’s Hospital
2014	Co-organizer, 3 rd Annual Midwest Valve Day, Nationwide Children’s Hospital
2018 - present	Member Board of Directors American Heart Association (Central Ohio affiliate)

NATIONAL ACTIVITIES

2003 - 2007	Member, Grant Review Committee American Heart Association Western States Affiliate
2006 - 2009	Member, Richard D. Rowe Award Selection Committee Society of Pediatric Research
2008 - 2009	Co-Chair, Grant Review Committee American Heart Association Western States Affiliate
2010	Chair, Grant Review Committee Cardiac Biology-Basic and Clinical Translational (BCT5) American Heart Association
2010	Member, Grant Review Committee Cardiac Biology-Basic and Clinical Translational (BCT4) American Heart Association
2010 - 2011	Member (ad hoc) NIH – Cardiovascular Differentiation and Development Study Section February 2010, June 2010, and June 2011

2010	Member, NIH Special Emphasis Panel 2011/01 ZHD1 DSR-N (DP) P
2011	Member, NIH Special Emphasis Panel 2011/05 ZHD 1 DSR-Y (50)
2011	Member, NIH Special Emphasis Panel 2011/10 HLBP 1
2011	Member, NIH Special Emphasis Panel 2012/01 ZHL1 CSR-H (F1) 1
2011 - 9/2014	Member, Observational Safety Monitoring Board NHLBI Pediatric Cardiac Genomics Consortium National Institutes of Health (Resigned to submit NIH application for Consortium membership)
2011 - 2013	Member, Medical Advisory Board Saving tiny Hearts Society Chicago, Illinois
2012	Member, NIH Special Emphasis Panel 2012/05 ZHD1 DSR-Y (53)S
2012 - 2018	Member (standing) Cardiovascular Differentiation and Development (CDD) Study Section National Institutes of Health
2011 - 2014	Member (Representative of Society of Pediatric Research) Program Committee Pediatric Academic Societies Annual Meeting
2012 - 2015	Member Strategic Planning Meeting Content Subcommittee Society of Pediatric Research
2013	Member, NIH Special Emphasis Panel 2013/05 ZHD1 DSR-Z (LK)
2014	Scientist Reviewer, Peer Reviewed Medical Research Program, Department of Defense
2014 - 2015	Member, Representative for Society of Pediatric Research Program Chair Nominating Committee Pediatric Academic Societies
2015	Member, Collaborative Science Peer Review Committee American Heart Association
2015 - 2018	Council Member (Cardiology representative) Society of Pediatric Research Council

2016 - 2018	Member, Advocacy Committee Society of Pediatric Research
2016 - 2017	Observer, Pediatric Policy Council
2016	Co-chair, NIH Special Emphasis Panel 2016/08 ZHD1 DSR-Y (50)
2017	Member, PAS Meeting Nominating Committee Society of Pediatric Research
2017 - 2019	Member Excellence in Science Award Committee Federation of American Societies for Experimental Biology
2018	Member, External Advisory Panel NIH/NHLBI Bench-to-Bassinet Program
2018 - 2020	Member Basic/Translational Science Working Group GenTAC Alliance
2019 - 2023	Member Congenital Cardiac Defects Committee Cardiovascular Disease in the Young Council American Heart Association
2019 - present	Member Subboard of Pediatric Cardiology American Board of Pediatrics
2019	Member, NIH Special Emphasis Panel 2019/10 CVRS K02
2019	Invited grant reviewer (external) Diabetes Research Center Stanford University, Palo Alto, CA
2019	Member, NIH Special Emphasis Panel 2020/01 CSRK F(1)1-R13
2020	Member, TPA Basic Cardiac Sciences 2, Peer Review Committee American Heart Association
2020	Member, NIH Special Emphasis Panel 2020/10 ZHL1 CSR-I (O2) 1
2020	Member, NIH Special Emphasis Panel, 2020/10 ZHL CSR-B(O3) 1

2020 – 2023	Member, SPR Student Research and House Officer Awards Selection Committee
2021-2022	Member (ad hoc), Therapeutic Development and Preclinical Studies (TDPS) Study Section, 2021/05 ZRG1 TDPS-R(01); 2022/01 ZRG1 TDPS-R(01) Q; 2022/05 ZRG1 TDPS-R(01) National Institutes of Health
2021	Participant (invited) “Heart Failure in Congenital Heart Disease” Children’s Hospital of Philadelphia
2022	Member (mail in), NIH Study Section (2022/10 HSQE) National Institutes of Health
2022 - 2023	Mentor (for new member orientation: Mitchell Cohen, M.D.) Subboard of Pediatric Cardiology American Board of Pediatrics
2022 - present	Member (standing) Therapeutic Development and Preclinical Studies (TDPS) Study Section National Institutes of Health

INTERNATIONAL ACTIVITIES

2003	Invited grant reviewer Child Health Research Foundation – New Zealand
2008	Invited grant reviewer Ministero della Salute (Italian Research Foundation)
2012	Invited grant reviewer I-MOVE Fellowship Programme, European COFUND
2014 - 2016	Member International Weinstein Committee
2016 - 2019	Invited grant reviewer Research Grants Council Hong Kong, China
2017	Co-organizer 24 th Annual Weinstein Cardiovascular Development and Regeneration Conference (international meeting) Columbus, Ohio

2018, 2021	Invited grant reviewer India Alliance (Wellcome Trust and Government of India)
2018	Invited grant reviewer Grant for Medical Research, Baillet Latour Fund Funds for Scientific Research, Belgium
2021	Invited grant reviewer Fondazione Cariplo, Italy
2021	Invited grant reviewer Great Ormond Street Hospital Children's Charity United Kingdom

CLINICAL APPOINTMENTS/RESPONSIBILITIES

2000 – 2009	Pediatric Cardiologist Inpatient Cardiology service, Cardiology Consult Service and Outpatient Cardiology Clinic Children's Medical Center Dallas, Texas
2001 – 2005	Co-Director 22q11 Deletion Syndrome Clinic Children's Medical Center Dallas, Texas
2009 – 2020	Pediatric Cardiologist, Inpatient Cardiology Service The Heart Center, Nationwide Children's Hospital Columbus, Ohio
2009 – present	Pediatric Cardiologist, Outpatient Cardiology Clinic The Heart Center, Nationwide Children's Hospital Columbus, Ohio
2011 – present	Pediatric Cardiologist 22q Center / Cardiogenetics / Marfan syndrome Clinics Nationwide Children's Hospital Columbus, Ohio
2013 – 2019	Faculty Participant (~ once a year) Career Exploration Week, Second Year Medical Students Department of Pediatrics, The Ohio State University College of Medicine

MEDIA & ADVOCACY

- 2007 Invited commentary with HealthDay Reporter, Madeline Vann on Miller et al. “Abnormal Brain Development in Newborns with Congenital Heart Disease” *New England Journal of Medicine*, 2007
 ABC News
<http://abcnews.go.com/Health/Healthday/story?id=4509331&page=1>
 Healingwell.com
<http://news.healingwell.com/index.php?p=news1&id=609833>
- 2008 Interview for School Zone, Dallas Independent School District
 Dallas Schools Television
 (in conjunction with UT Southwestern STARS program)
- 2016 Participant, “Let’s Get to Work on Someday, Now”
 2016 Holiday Campaign Commercial
<https://www.youtube.com/watch?v=jmq4xwcy0NU>
 Nationwide Children’s Hospital
 Columbus, OH
- 2019 StoryCorps
 Interview with Adrianna Matos-Nieves (Ph.D. candidate)
<https://archive.storycorps.org/interviews/mby019038/>
- 2021-2022 Written and oral testimony (provided)
 Support of Ohio Senate Bill 11
 Designate Congenital Heart Defect Awareness Week (Feb. 7-14) in Ohio

HONORS AND AWARDS

- 1990 American Heart Association Summer Science Research Fellowship (Portland, Oregon)
- 1992 Hobart Amory Hare Honor Society (Medical School Honor Society)
- 2000 Howard Hughes Medical Institute (HHMI), Postdoctoral Research Fellowship for Physicians (declined)
- 2003 Overall Winner, Young Investigator Molecular Cardiovascular Forum, UT Southwestern
- 2004 Basil O’Connor Starter Scholar Research Award (March of Dimes)
- 2004 Honorable Mention, SPR Richard D. Rowe Award in Perinatal Cardiology
- 2004 APS/SPR Young Investigators Travel Award
- 2005 Society of Pediatric Research (elected member)
- 2005 Finalist, Young Investigator Award, American College of Cardiology

- 2005 Richard D. Rowe Award in Perinatal Cardiology, Society of Pediatric Research
- 2005 Reynolds Associate, Donald W. Reynolds Cardiovascular Clinical Research Center
- 2006 Dallas Heart Ball Pediatric Cardiology Clinical Research Award
- 2016 American Pediatric Society (elected member)
- 2016 Michael Potter & Family Endowed Cardiovascular Genetics Lectureship, University of Ottawa Heart Institute, Canada
- 2016 American Heart Association Ignite Pulse of Columbus Honoree
- 2017 Nationwide Foundation Endowed Chair in Cardiovascular Research

RESEARCH SUPPORT

GRANTS (ACTIVE)

1. NIH/NHLBI R01HL144009-01 Garg (PI) 8/20/2019-7/31/2024
Epigenetic Mechanisms Underlying Maternal Diabetes Associated Cardiac Malformations
Role: Garg (PI) Total Funding: \$1,520,000
2. NIH/NHLBI R21HL161823-01 Garg/White (MPI) 01/01/22-12/31/2024
A Multi-omic approach towards improving candidate gene identification and variant prioritization in patients with congenital heart disease
Role: Garg (PI) Total Funding: \$231,000
3. NIH/NHLBI T32 HL166149-01A1 Dates: 7/1/23-6/30/28
“Integrative Research Training Program in Pediatric Cardiopulmonary Disease”
MPI: Garg and Backes Total Funding: \$1,708,144
4. NIH/NHLBI R25 HL168795-01 Dates: 7/1/23-6/30/28
“Research Experiences in Child Heart, Lung and Blood Science-REaCH LABS”
MPI: Chisolm and Garg Total Funding: \$828,816
5. American Heart Association 01/01/22-12/31/2024
Institutional Award for Undergraduate Student Training(Nationwide Children’s Hospital)
Role: Garg (PI) Total Funding: \$120,000
6. NIH/NHLBI R01HL155282-01 Zhao (PI) 2/15/2021-1/31/2026
An integrated human stem cell model for elucidating myocardial-endocardial interactions in cardiac development and disease
Role: Garg (co-I) Total Funding: \$1,862,000

7. NIH/NHLBI R21HL165406-01 Zhao (PI) 9/6/22-7/31/24
Dissecting SARS-CoV-2 infection in Down syndrome with congenital heart defects using patient-specific iPSCs
Role: Garg (co-I) Total Funding: \$429,000
8. NIH/NHLBI R01HL114770 Stelzer (PI) 2/1/23-3/31/24
"Functional consequences of FHC mutations in cardiac MyBPC"
Role: Garg (co-I, site PI) Total Funding(site): \$19,770
9. Additional Ventures Single Ventricle Research Fund Zhao (PI) 1/15/21-1/15/24
Maternal Blood Biomarker Discovery for Predicting Ventricular Growth in Human Fetuses with pulmonary atresia and intact ventricular septum
Role: Garg (co-I) Total Funding: \$660,000
10. American Heart Association Zhao (PI) 7/1/23-6/30/25
"Precision modeling of single ventricle heart defects using patient- and chamber-specific cardiac organoids"
Role: Garg (co-I) Total Funding: \$200,000

COMPLETED RESEARCH (as PI or primary mentor)

1. American Heart Association (Oregon Affiliate) Garg (PI) 1990
Summer Science Research Fellowship
Total Funding: \$1,500
2. K08-HD01382 Garg (PI) 2000-2005
NIH/NICHD
Role of UFD1 and CDC45 in Neural Crest Development
Total Funding: \$540,000
3. NIH/ Pediatric Loan Repayment Program Garg (PI) 2002-2006
4. 5-FY03-157 Garg (PI) 2004-2006
March of Dimes Birth Defects Foundation
Molecular Mechanisms of Cardiac Septation
Total Funding: \$150,000
5. Reynolds Associate Garg (PI) 2005-2006
Donald W. Reynolds Cardiovascular Clinical Research Center
Total Funding: \$38,664
6. 665043Y Garg (PI) 2006-2008
American Heart Association-Texas Affiliate
Molecular Pathways for Cardiac Septa Formation
Total Funding: \$130,000
7. N/A Garg (PI) 2006-2009

- Genetic Basis of Congenital Heart Defects
Children's Medical Center Dallas Foundation
Total Funding: \$78,300
8. 01-FY06-381 Garg (PI) 2006-2009
March of Dimes Birth Defects Foundation
Role of GATA4 in Congenital Heart Disease
Total Funding: \$216,720
 9. 1R01HL088965 Garg (PI) 2007-2013
NIH/NHLBI
Genetic Regulation of Cardiac Septation
Total Funding: \$1,897,500
 10. N/A Garg (PI) 2008-2010
Children's Heart Foundation
Genetics of Hypoplastic Left Heart Syndrome
Total Funding: \$140,000
 11. 1R01HL109758 Garg (PI, multi-PI) 2012-2017
NIH/NHLBI
Exome Sequencing and Functional Studies in Familial Congenital Heart Defects
Total Funding: \$2,735,415
 12. Saving tiny Hearts Society Garg (PI) 2014-2015
Notch signaling and ascending aortic aneurysm
Total Funding: \$50,000
 13. T32HL098039-07S1 Garg(PI), Mohler (PI) 12/1/2016-8/31/2017
Training in Congenital and Acquired Heart Disease
Administrative Supplement
Total Funding: \$10,392
 14. T32HL098039-07S2 Garg(PI), Mohler (PI) 2/25/2017-8/31/2017
Training in Congenital and Acquired Heart Disease
Administrative Supplement
Total Funding: \$2,592
 15. NIH/NHLBI R13HL136103 Lincoln(PI), Garg(PI) 2/01/2017-1/31/2018
Weinstein Cardiovascular Development Conference
Total Funding: \$21,000
 16. American Heart Association Lin(PI), Garg(PI) 4/1/2017-3/31/2020
CardioGenomics eXchange commons: A cloud-based collaboration platform for the
analysis/exchange of genome sequencing data
Total Funding: \$400,000 (includes \$300,000 in Amazon Web-based services)

17. R01HL121797 Garg (PI) 4/1/2015-3/31/2020
NIH/NHLBI
Molecular Mechanisms of Aortic Valve Formation
Total Funding: \$1,495,000
Awarded additional administrative diversity supplement for graduate student (funding: \$130,653)
18. R01HL132801 Garg/Lilly/Lincoln (MPI) 7/1/2016 – 6/30/2021
NIH/NHLBI
The Role of Notch in Calcific Aortic Valve Disease
Role: Garg (PI) Total Funding: \$2,632,845
19. T32HL098039 Garg(PI), Mohler (PI) 9/1/2015-8/31/2021
Training in Congenital and Acquired Heart Disease
Role: Garg (PI) Total Funding: \$1,231,198
20. Additional Ventures Innovation Fund/NCH Zhao/Garg (MPI) 7/1/2020 – 6/30/2022
Elucidating mechanisms of ventricular hypoplasia in pulmonary atresia with intact ventricular septum using iPSCs
Role: Garg (PI) Total Funding: \$384,789

Grant Awards (served as a co-investigator)

1. R01HL108173 Garg (site co-I) 2011-2016
NIH/NHLBI (PI, Kannankeril, Vanderbilt University)
Flecainide for Catecholaminergic Polymorphic Ventricular Tachycardia
2. Dean's COM Cross-Campus-Collaborative Pilot Program Fu(PI) 7/1/22-6/30/23
"MicroRNA Biophysically Regulates the Development and Physiology of the Heart"
Role: Garg (co-I) Total Funding: \$50,000 (\$4,000 available to Garg)

Mentored Grant Awards (served as primary research mentor)

1. 0725032Y Garg (Mentor), Acharya (PI) 2007-2009
American Heart Association-Texas Affiliate (Postdoctoral Fellowship)
Total Funding: \$88,000
2. TL1TR001069 Garg (Mentor), Koenig (PI) 2014-2016
NIH/NCATS Ohio State CCTS TL1 Training Award
Role for Notch1 Signaling in Ascending Aortic Aneurysms
Total Funding: \$56,064
3. 15POST25510006 Garg(Mentor), Basu (PI) 7/1/2015-6/30/2017
American Heart Association – Great Rivers Affiliate
Epigenetic mechanisms underlying maternal diabetes associated cardiac malformations
Total Funding: \$93,000
4. 16PRE30230016 Garg(Mentor), LaHaye (PI) 7/1/2016-5/15/2017

American Heart Association – Great Rivers Affiliate
 Novel Role for Gata4 in Semilunar Valve Development and Disease
 Total Funding: \$25,900

5. American Heart Association Manivannan (PI), Garg (mentor) 1/1/2021-4/19/2021
 Postdoctoral fellowship
 “Developmental origins of hypoplastic left heart syndrome examined using genetically-linked RBFOX2 variants”
 Total Funding: \$146,736
6. T32HL134616 Rafael-Fortney (PI), Garg (mentor) 7/1/2019-3/30/2021
 “Training to Provide the Knowledge, Skills and Culture to the Next Generation of Cardiovascular Scientists”
 Support for Ph.D. candidate, Adrianna Matos-Nieves from 7/1/19 to 3/30/21
7. American Heart Association Garg (mentor), Basu(PI) 7/1/2018-6/30/2021
 Career Development Award
 “Mechanisms of maternal hyperglycemia induced risk of congenital heart defects”
 Total Funding: \$231,000
8. American Heart Association Garg (mentor), Zhao(PI) 10/1/2019-9/30/2021
 Career Development Award
 “NOTCH Signaling in Human Vascular Development and CADASIL”
 Total Funding: \$231,000
9. NIH/NHLBI F32HL160059-01 Ackah(PI)/Garg(Mentor) 9/1/2021-8/31/2023
 Embryologic Origins of Aortopathy
 Role: Mentor Total Funding: \$145,752
10. T32HL134616 Rafael-Fortney (PI), Garg (mentor) 7/1/23 to 6/30/25
 “Training to Provide the Knowledge, Skills and Culture to the Next Generation of Cardiovascular Scientists”
 Support for Ph.D. candidate, Mona Aljuhani from 7/1/23 to 6/30/25

PATENTS AND TECHNOLOGY LICENSES

ISSUED PATENTS

1. *NOTCH1* Variants Associated with Cardiovascular Disease. Garg, V. and Srivastava, D. U.S. Patent Number: 7,629,121. Publication Date: 12/8/2009. United States Patent and Trademark Office, Official Gazette of the Patents.
2. Products and Methods for Aortic Abdominal Aneurysm. Hans, CP and Garg V. U.S. Patent Number: 9629891 B2. Publication Date: 4/25/2017. United States Patent and Trademark Office, Official Gazette of the Patents.

3. Compositions and Methods for anti-lyst immunomodulation. Inventors: Breuer CK, Hibino N, Garg V, Best C. Number: US2021023266A1. Filed: 5/2/2014, Publication Date: 5/8/2021

PUBLICATIONS

ARTICLES IN PEER REVIEWED JOURNALS

#, corresponding author

1. ^Yamagishi H, ^Garg V, Matsuoka R, Thomas T, Srivastava D. “A molecular pathway revealing a genetic basis for human cardiac and craniofacial defects.” *Science* 283:1158-1161 (1999). ^co-first authors
2. Garg V, Yamagishi, C, Hu, T, Kathiriya, IS, Yamagishi H, Srivastava D. “*Tbx1*, a DiGeorge syndrome candidate gene, is regulated by Sonic Hedgehog during pharyngeal arch development.” *Dev Biol* 235:62-73 (2001).
3. Kunte A, Ivey K, Yamagishi C, Garg V, Yamagishi H, Srivastava D. “A common cis-acting sequence in the DiGeorge critical region regulates bi-directional transcription of *UFDIL* and *CDC45L*.” *Mech Dev* 108:81-92 (2001).
4. Srivastava D and Garg V. “Potential for fetal gene therapy in congenital heart disease.” *Frontiers in Fetal Health* 3(7):211-212 (2001).
5. #Garg V, Kathiriya IS, Barnes R, Schluterman MK, King IN, Butler CA, Rothrock CR, Eapen RS, Hirayama-Yamada K, Joo K, Matsuoka R, Cohen JC, Srivastava D. “GATA4 mutations cause human congenital heart defects and reveal an interaction with TBX5”. *Nature* 424(6947):443-447 (2003). * > 1000 citations
6. #Garg V, Muth AN, Ransom JF, Schluterman MK, Barnes R, King IN, Grossfeld PD, Srivastava D. “Mutations in *NOTCH1* Cause Aortic Valve Disease”. *Nature* 437(7056):270-274 (2005). * > 1000 citations
7. Garg V. “Insights into the Genetic Basis of Congenital Heart Disease”. *Cell Mol Life Sci.* 63(10):1141-1148 (2006).
8. Garg V. “Molecular Genetics of Aortic Valve Disease”. *Curr Opin Cardiol* 21(3): 180-184 (2006).
9. Schluterman MK, Krysiak AE, Kathiriya IS, Abate N, Chandalia M, Srivastava D, and #Garg V. “Screening and Biochemical Analysis of *GATA4* Sequence Variations in Patients with Congenital Heart Disease”. *Am J Med Genet A* 143(8):817-823 (2007).
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2. Garg, V and Srivastava, D. “Genetic Underpinnings of Cardiogenesis and Congenital Heart Disease”. Eds. C. Patterson and M. Runge in *Principles of Molecular Cardiology*. Springer-Verlag, New York (2005).
3. Garg, V. “Growth of the Normal Human Heart” Ed. Victor R. Preedy. *Handbook of Growth and Growth Monitoring in Health and Disease*. Springer, New York, (2011).
4. Garg, V. “The molecular basis of cardiac development and congenital heart disease” Eds. C. Patterson and M.S. Willis in *Molecular and Translational Cardiology*. Springer - Humana Press, New York (2012).
5. Bonachea EM, Vaughn CE and Garg V. “Genetics of Congenital Heart Disease”. *Cardiovascular Genetics and Genomics in Clinical Practice*. Eds. Donna K. Arnett and Sanjiv J. Shah. Demos Medical Publishing (2014).
6. Garg, V. “Notch signaling in aortic valve development and disease”. *Etiology and Morphogenesis of Congenital Heart Disease*. Eds. Nakanishi T, Markwald RR, Baldwin HS, Keller BB, Srivastava D, Yamagishi H. Springer, Japan, (2016).

OTHER

1. Garg V and Srivastava D. “22q11 deletion syndrome.” *Pediatric Society of Greater Dallas Newsletter* (2001).

2. Manivannan SN and Garg V. “Nathan and Ryabhatta-graphical user interfaces to create, analyze and visualize single-cell genomic datasets” *bioRxiv* 2021.06.17.448424; doi: <https://doi.org/10.1101/2021.06.17.448424>

EDITORIALS AND REVIEW ACTIVITIES

EDITOR/SERVICE ON EDITORIAL BOARD(S)

- 2012-present Member of Advisory Editorial Board
Pediatric Cardiology
- 2014-2019 Section Editor, Clinical and Translational Cardiovascular Medicine
Clinical and Translational Medicine
- 2015-2018 Member of Editorial Board (Cardiology)
Pediatric Research
- 2016-2018 Member of Editorial Board (Cardiology)
Scientific Reports
- 2019-present Member of Editorial Board (Cardiology)
Translational Pediatrics
- 2019-present Member of Editorial Board
Circulation Research
- 2021-present Associate Editor
Frontiers in Cardiovascular Medicine
- 2022-present International Reviewer
Journal of Pediatric Cardiology and Cardiac Surgery (Official journal of Japanese Society of Pediatric Cardiology and Cardiac Surgery)

JOURNAL REVIEWER (*ad hoc*)

- 2003 Molecular Genetics and Metabolism
- 2004 Journal of Medical Genetics, Physiological Genomics
- 2005 Future Cardiology, Proceedings of National Academy of Sciences
- 2006 American Heart Journal, BMC Medical Genetics, Congenital Heart Disease, Circulation, Proceedings of National Academy of Sciences
- 2007 Clinical Genetics, Congenital Heart Disease, European Journal of Human Genetics, Proceedings of National Academy of Sciences, Journal of American College of

- Cardiology, Journal of Cellular and Molecular Medicine, Pediatric Cardiology, Pediatric Research, QJM International Journal of Medicine,
- 2008 Journal of Medical Genetics, Physiological Genomics, Archives of Medical Research, Congenital Heart Disease, Journal of American College of Cardiology, Journal of Medical Genetics, Pediatric Cardiology, Physiological Genomics
 - 2009 American Journal of Cardiology, American Journal of Human Genetics, American Journal of Medical Genetics, Circulation (4), Current Molecular Medicine, Human Molecular Genetics (4), Heart Rhythm (2), Journal of Molecular Medicine, Journal of Pediatrics, Pediatric Cardiology (2)
 - 2010 American Journal of Medical Genetics (5), Cardiology in the Young (2), Circulation Cardiovascular Genetics (3), Circulation (3), Disease Markers, Heart Rhythm (2), Journal of American Medical Association (JAMA), Journal of Pediatrics, Life Sciences, Cell Biochemistry and Biophysics, Pediatrics, Pediatric Cardiology, Pediatric Research
 - 2011 Circulation (4), Circulation Cardiovascular Genetics, Human Mutation (2), American Journal of Medical Genetics, Clinical Genetics, Heart, Journal of Molecular and Cellular Cardiology (4), Journal of Pediatrics, Pediatric Cardiology, Pediatrics (3)
 - 2012 Journal of American Medical Association (JAMA), Nature Medicine, American Journal of Cardiology, American Journal of Medical Genetics (3), Birth Defects Research Part A: Clinical and Molecular Teratology, Circulation Cardiovascular Genetics (3), Circulation, Congenital Heart Disease, Human Molecular Genetics, Pediatric Cardiology, Pediatrics, PLoS Genetics (2), PLoS One (2), Translational Research
 - 2013 Nature Genetics (2), Nature Medicine (2), American Journal of Cardiology, American Journal of Human Genetics, American Journal of Medical Genetics (2), Arteriosclerosis, Thrombosis, and Vascular Biology (2), Journal of Cardiovascular Translational Research, Circulation Cardiovascular Imaging (3), Circulation Research, Cellular Molecular Life Sciences, Congenital Heart Disease, Experimental Cell Research, Genesis, Human Molecular Genetics, Human Genetics, Journal of Molecular Cellular Cardiology, Pediatric Cardiology (2), Pediatrics, Pediatric Research, PLoS Genetics, PLoS One, Proceedings of National Academy of Sciences (2)
 - 2014 Nature, Circulation (2), Circulation Cardiovascular Genetics (2), Circulation Research (2), FASEB (2), Journal of American College of Cardiology (2), Journal of Cardiac Failure, Journal of Pediatrics, Pediatric Cardiology (4), Scientific Report, American Journal of Cardiology, American Journal of Medical Genetics (4), Birth Defects Research Part A: Clinical and Molecular Teratology
 - 2015 New England Journal of Medicine, Nature, JAMA Pediatrics, American Journal of Human Genetics (2), Nature Communications, Journal of American College of Cardiology, Circulation Research, Pediatric Cardiology, PLoS One (2), Journal of American Heart Association, Pediatric Research, American Journal of Medical Genetics

- (2), Gene (2), Human Mutation (2), Journal of Cardiovascular Development and Disease, Genetics in Medicine
- 2016 JAMA, Nature Communications (2), Nature Genetics (2), Journal of Clinical Investigation American Journal of Human Genetics, Circulation Research, Circulation Cardiovascular Genetics, Proceedings of National Academy of Sciences (2), Human Genetics, Journal of American College of Cardiology,
- 2017 Nature Medicine, Nature Genetics, Journal of Clinical Investigation, JAMA Pediatrics, JAMA Cardiology, Pediatric Research, Cardiovascular Research (2), Journal of American College of Cardiology, Disease Models and Mechanisms, Heart, Am J Hum Genet, Journal of American Heart Association (2)
- 2018 Nature Genetics, Development, Circulation Research (5), Clinical Genetics, PLoS Genetics(3), JAHA, Congenital Heart Disease, Pediatric Research(2), Disease Models and Mechanisms(2), Developmental Dynamics(2)
- 2019 Nature Medicine, Circulation Research, Journal of American College of Cardiology (JACC), PLoS Genetics, Journal of American Heart Association (JAHA), BMC Cardiovascular Disorders, European Journal of Human Genetics, BBA-Molecular Basis of Disease, Translational Pediatrics, AJP-Heart (2), Journal of Molecular Cellular Cardiology
- 2020 Nature Reviews Cardiology, Circulation, Circulation Research (5), Journal of American College of Cardiology(2), Journal of Molecular Cellular Cardiology, PLoS Genetics, Clinical Case Reports (2), Disease Models and Mechanisms (2), Journal of American Heart Association (4), American Journal of Medical Genetics(2)
- 2021 Nature Reviews Cardiology, PLoS Genetics, Circulation Research (5), Translational Pediatrics, JCI Insight, Science Advances
- 2022 Science, JAMA Network Open, Circulation (4), Circulation: Genomic and Precision Medicine (3), Frontiers in Cardiovascular Medicine (2), Journal of American Heart Association (2), Circulation Research (2)
- 2023 Circulation Research(3), Journal of Cardiovascular Development and Disease, Translational Pediatrics (2), Pediatric Cardiology, PLoS Genetics, iScience, ATVB, Nature Cardiovascular Research
- # of manuscript reviews that year are indicated in parentheses if greater than one.

BOOK CHAPTER/ABSTRACT REVIEWER

- 2007 Reviewer (book chapter), Congenital Heart Defects: From Origin to Treatment (Oxford University Press)
- 2004-2006, 2008, 2010-2012 Reviewer

American Heart Association Scientific Sessions

2007, 2011-16

Reviewer
Pediatric Academic Society & Asian Society for Pediatric
Research Meeting

TEACHING

COURSES TAUGHT

2000-2005	Lecturer Cardiovascular ICU Nursing Core Lecture Series Children's Medical Center Dallas
2002	Lecturer Acute Care Pediatric Nurse Practitioner Program University of Texas at Arlington
2004-2009	Lecturer Medical Embryology Course UT Southwestern Medical School
2005	Discussion Leader Medical Genetics Course UT Southwestern Medical School
2006-2009	Lecturer Neonatology Fellows Physiology/Pathophysiology course Division of Neonatology, Department of Pediatrics UT Southwestern Medical School
2006-2009	Discussion Leader Pediatrics in Review UT Southwestern Pediatrics Residency Program
2007-2009	EKG teaching UT Southwestern Medical School/Pediatrics Residency Program
2008-2009	Discussion Leader Fellows Core Course UT Southwestern Department of Pediatrics
2005	Reader Core Course – Research Paper UT Southwestern Graduate School of Biomedical Sciences
2005-2009	Lecturer and Discussion Leader

	Advanced Human Genetics Course UT Southwestern Graduate School of Biomedical Sciences
2006-2009	Lecturer and Discussion Leader Gene Transcription Course UT Southwestern Graduate School of Biomedical Sciences
2007-2009	Discussion Leader Integrative Biology Journal Club (Human Genetics and Diseases) UT Southwestern Graduate School of Biomedical Sciences
2008-2009	Lecturer Human Biology and Disease UT Southwestern Graduate School of Biomedical Sciences
2011	Lecturer NIH/NHLBI T32 Cardiovascular Seminar Series “Development of the Heart” (on 1/6/2011) “Congenital Heart Defects” (on 5/5/2011)
2011 - 2013	Lecturer Heart Center Didactic Conference for Pediatric Cardiology Fellows “Congenital Heart Defects & Genetics” (on 3/14/11 & 2/25/13) “Hypertrophic Cardiomyopathy” (on 6/11/12)
2011	Instructor MCDB 800 (Fall quarter) Ohio State University
2012	Lecturer Advanced Cardiac Physiology Seminar Series “Heart Development” on 1/3/2012 Nationwide Children’s Hospital
2016	Lecturer Advanced Cardiac Physiology Seminar Series “Cardiac Development & Congenital Heart Defects” (on 1/8/16) Nationwide Children’s Hospital
2016	Lecturer Cardiac Development & Congenital Heart Defects” (on 9/28/16) Neonatology Fellows Physiology/Pathophysiology course Division of Neonatology, Department of Pediatrics Nationwide Children’s Hospital
2017	Lecturer

	<p>“Cardiac Development” (on 12/13/17) Neonatology Fellows Physiology/Pathophysiology course Division of Neonatology, Department of Pediatrics Nationwide Children’s Hospital</p>
2018	<p>Lecturer Advanced Cardiac Physiology Seminar Series “Cardiac Development & Congenital Heart Defects” (on 1/12/18) Nationwide Children’s Hospital</p>
2018	<p>Lecturer Heart Center Didactic Conference for Pediatric Cardiology Fellows “Genetics of Congenital Heart Defects” (on 10/15/18)</p>
2020	<p>Lecturer Heart Center Didactic Conference for Pediatric Cardiology Fellows “Genetics of Congenital Heart Disease: When and what to test” (on 09/28/20)</p>
2021	<p>“Cover letters and curriculum vitae and job talks, Oh my!” Heart Center Didactic Conference for Pediatric Cardiology Fellows (on 5/25/21)</p>
2021	<p>Lecturer Heart Center Didactic Conference for Pediatric Cardiology Fellows “Genetics and Congenital Heart Disease” (on 10/04/21)</p>
2022	<p>Lecturer Heart Center Didactic Conference for Pediatric Cardiology Fellows “Research as a Career” (on 9/8/22)</p>
2023	<p>Lecturer AHA Trends in Cardiovascular Research Seminar Series "Genetic and genomic big data approaches"</p>

OTHER EDUCATIONAL PROGRAMS

2000 – 2009	<p>Inpatient/Outpatient Clinic Instruction Medical students, Pediatric residents and Pediatric Cardiology Fellows University of Texas Southwestern Medical Center Children’s Medical Center of Dallas Dallas, Texas</p>
2009 – 2020	<p>Inpatient/Outpatient Clinic Instruction Medical students, Pediatric residents and Pediatric Cardiology Fellows Ohio State University College of Medicine Nationwide Children’s Hospital</p>

Columbus, OH

2023 – present Outpatient Clinic Instruction
Medical students, Pediatric residents and Pediatric Cardiology Fellows
Ohio State University College of Medicine
Nationwide Children’s Hospital
Columbus, OH

PRESENTATIONS

INTERNATIONAL

Invited Speaker

1. Invited speaker, “Potential for Fetal Gene Therapy in Congenital Heart Disease”
Advances in Fetal and Perinatal Cardiology Symposium. Toronto, Ontario, Canada
May 26, 2001
2. Invited speaker, “Mouse Mutations in Human Disease”
3rd World Congress of Pediatric Cardiology and Cardiac Surgery. Toronto, Ontario,
Canada
May 28, 2001
3. Invited speaker, “Molecular Insights from Human Congenital Heart Disease”
International Society for Heart Research American Section. Toronto, Ontario, Canada
June 15, 2006
4. Invited speaker, “Genetic Abnormalities in Congenital Heart Disease”
Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada.
May 2, 2010
5. Invited speaker, “Notch signaling in aortic valve development and disease”
7th TAKAO International Symposium on Etiology and Morphogenesis of Congenital
Heart Disease, Tokyo, Japan.
July 15, 2013
6. Invited speaker, “Etiology of Birth Defects: The Importance of Genomics”
OSU-India H3C: Health Sciences Innovation Conference, Mumbai, India.
January 13, 2015
7. Invited speaker, “Insights into the etiology of congenital heart defects: from human
genetics to mouse models”
Michael Potter & Family Endowed Cardiovascular Genetics Lectureship
University of Ottawa Heart Institute, Ottawa, ON Canada
January 25, 2016

8. Invited speaker, “Notch1 signaling and aortic valve disease: from human genetics to mouse models”
52nd Annual Meeting of Japanese Society of Pediatric Cardiology and Cardiac Surgery
Tokyo Dome Hotel, Tokyo, Japan
July 6, 2016
9. Invited Keynote Speaker, “Genetic Advances in Congenital Heart Disease”
52nd Annual Meeting of Japanese Society of Pediatric Cardiology and Cardiac Surgery
Tokyo Dome Hotel, Tokyo, Japan
July 7, 2016
10. Invited speaker, “Uncovering Genetic Contributors to Congenital Heart Disease
Advances in Biomedical Research Seminar
University of Ottawa, Ottawa ON Canada
April 6, 2018
11. Invited speaker (Abstract Oral Presentation), “Developmental Origins for Semilunar Valve Stenosis Identified in Mice Harboring Congenital Heart Disease-Associated GATA4 mutation”
8th Biennial Heart Valve Biology and Tissue Engineering Meeting
London, United Kingdom
September 26, 2018
12. Invited speaker
Notch1 Signaling & Bicuspid Aortic Valve Disease
Global Talents in Science 5th International Symposium (virtual)
December 1, 2023

Invited Moderator/Participant (International)

12. Invited Moderator, “Congenital Heart Disease Genetics: where we are, and where we would like to go”
Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada
May 2, 2014
13. Participant/Volunteer, SPR Help Desk
Pediatric Academic Societies Meeting
Toronto, ON Canada
May 5-8, 2018

14. Invited Moderator, Genetic Technologies in Congenital Heart Disease Session
Weinstein Cardiovascular Development and Regeneration Conference
Nara, Japan
May 16-18, 2018

NATIONAL

Invited Speaker/Presenter (inclusive of research abstract presentations)

1. Invited Abstract Presenter, Garg, V., Yamagishi, H., Thomas, T., and Srivastava, D.
“*COT-22* (Cardiac Outflow Tract Gene on Chromosome 22), a candidate gene for the CATCH-22 syndrome.”
American Heart Association 71st Scientific Sessions, Dallas, TX.
November 1998.
2. Invited speaker, “*Tbx1*, a DiGeorge Syndrome Candidate Gene, is Regulated by Sonic Hedgehog During Pharyngeal Arch Development”
Weinstein Cardiovascular Development Conference, Dallas, TX
May 8, 2001
3. Invited Abstract Presenter, Garg, V., Kathiriya, I.S., Barnes, R., Schluterman, M.K., Butler, C. A., King, I.N., Rothrock, C.R., Eapen, R.S., Hobbs, H.H., Cohen, J.C., and Srivastava, D. “A Mutation in the Cardiac Transcription Factor, *GATA4*, Results in Decreased DNA Binding Affinity in Patients with Non-Syndromic Cardiac Septal Defects”.
Pediatric Academic Societies Annual Meeting. Seattle, WA.
May 2003.
4. Invited speaker, “*GATA4* Mutations Cause Human Congenital Heart Defects and Reveal an Interaction with *TBX5*”
Weinstein Cardiovascular Development Conference, Boston, MA
May 13, 2003
5. Invited Abstract Presenter, Garg, V., Kathiriya, I.S., Barnes, R., Schluterman, M.K., King, I.N., Butler, C. A., Rothrock, C.R., Eapen, R.S., Hirayama-Yamada, K., Joo, K., Matsuoka, R., Cohen, J.C., and Srivastava, D. “*GATA4* Mutations Cause Human Congenital Heart Defects and Reveal an Interaction with *TBX5*”.
American Heart Association Scientific Sessions, Orlando, FL.
November 2003.
6. Invited speaker, “The Role of *GATA4* in Congenital Heart Disease”
Molecular Biology of Cardiac Disease (X3) and Cardiac Development and Congenital Heart Disease (X4), Keystone Symposium, Keystone, CO
March 9, 2004

7. Invited Abstract Presenter, Garg, V., Schluterman, M.K., Kathiriya, I.S Butler, C. A., Matsuoka, R. Bruneau, B., Olson, E.N., Cohen, J.C., and Srivastava, D. “The Role of *GATA4* in Congenital Heart Disease”. (Honorable Mention, SPR Richard D. Rowe Award in Perinatal Cardiology and APS/SPR Young Investigators Travel Award). Pediatric Academic Societies Annual Meeting. San Francisco, CA. May 2004.
8. Invited Abstract Presenter, Garg, V., Schluterman, M.K., Bruneau, B, Olson, E.N., Srivastava, D. “Interaction of Gata4 and Gata6 with Tbx5 is critical for normal cardiac development”. American Heart Association Scientific Sessions, New Orleans, LA. November 2004.
9. Invited Abstract Presenter, Garg, V., Muth, A.N., Schluterman, M.K., Barnes, R., King, I.N., Chan, K.L., Bulman, D.E., Grossfeld, P.D., and Srivastava, D. “Mutations in *NOTCH1* Cause Congenital Cardiac Malformations”. (Finalist, Young Investigator Award). 54th Annual Scientific Session, American College of Cardiology. Orlando, FL. March 2005.
10. Invited Abstract Presenter, Garg, V., Heistein, L. C., Eapen, R. S., Muth, A.N., Schluterman, M.K., Barnes, R., King, I.N., Chan, K.L., Bulman, D.E., Peshock, R., Grossfeld, P.D., and Srivastava, D. “Mutations in *NOTCH1* Cause Congenital and Adult Cardiac Disease”. (Winner, Richard D. Rowe Award). Pediatric Academic Societies Annual Meeting. Washington, D.C. May 2005.
11. Invited Abstract Presenter, Garg, V., Eapen, R. S., Muth, A.N., Heistein, L. C., Ransom, J.F., Schluterman, M.K., Barnes, R., King, I.N., Ahmad, N., Chan, K.L., Bulman, D.E., Peshock, R., Grossfeld, P.D., and Srivastava, D. “Mutations in *NOTCH1* Cause Congenital and Adult Cardiac Disease”. American Heart Association Scientific Sessions, Dallas, TX. November 2005.
12. Invited speaker, “Insights from Human Congenital Heart Disease” Cardiovascular Seminar Series, Children’s Hospital, Boston, MA June 27, 2006
13. Invited speaker, “How it all begins: Cardiac Development” American College of Cardiology 57th Annual Scientific Session, Mini-symposium: “Translational medicine in childhood heart disease” Chicago, IL March 31, 2008
14. Invited speaker, “New Approaches for Gene Discovery in Pediatric Disease” Pediatric Academic Societies Annual Meeting, Mini-symposium: “Emerging technologies and pediatric disease” Honolulu, Hawaii

May 5, 2008

15. Invited speaker, "NOTCH1 and Cardiovascular Disease"
Notch Mini-Symposium, Burnham Institute, "San Diego, CA.
July 21, 2008
16. Invited speaker, "Uncovering Genetic Origins of Congenital Heart Disease"
Department of Pediatrics Seminar, University of California at San Diego, San Diego, CA.
July 22, 2008
17. Invited speaker, "Uncovering Genetic Origins of Congenital Heart Disease"
Child Health Research Seminar Series, Research Institute at Nationwide Children's
Hospital, Columbus, OH.
January 22, 2009
18. Invited speaker, "Clinicians and Basic Science - Can it be Successful?"
Pediatric Cardiology and Congenital Heart Disease Career Session, American College of
Cardiology, Orlando, FL.
March 29, 2009
19. Invited speaker, "NOTCH Signaling and Aortic Disease"
Aortic Disease Summit, Baltimore, MD.
September 22, 2009
20. Invited speaker, "Copy Number Variation in Human Disease"
American Heart Association Scientific Sessions/International Congress on Genetics and
Genomics of Cardiovascular Disease, Orlando, FL.
November 16, 2009
21. Invited speaker, "Genetics of Congenital Heart Defects: Current Knowledge & Future
Developments"
Heart Institute, Cincinnati Children's Medical Center, Cincinnati, OH.
December 6, 2010
22. Invited speaker, "Uncovering Genetic Contributors for Congenital Heart Disease"
Cardiovascular Molecular Biology Seminar, Cincinnati Children's Medical Center,
Cincinnati, OH.
December 6, 2010
23. Invited speaker, "Endothelial nitric oxide signaling regulates Notch1 in aortic valve
development and disease"
Keystone Conference: Cardiovascular Development and Regeneration, Taos, NM.
January 24, 2012
24. Invited speaker, "Role of Notch Signaling in Aortic Disease"
Cardiovascular Developmental Biology Center Symposium, Charleston, SC.

March 15, 2012

25. Invited speaker, “Role of Notch1 Signaling in Aortic Disease”
Weis Center for Research, Geisinger Clinic, Danville, PA.
May 17, 2012
26. Invited speaker, “Building Translational Research Teams”
Weis Center for Research, Geisinger Clinic, Danville, PA.
May 17, 2012
27. Invited speaker, “Role of Notch1 Signaling in Aortic Disease”
Cleveland Clinic Lerner Research Institute, Cleveland, OH.
May 23, 2012
28. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Cardiovascular Seminar Series, Albany Medical College, Albany, NY
March 14, 2014
29. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Frontiers in Cardiovascular Science Seminar, University of Michigan Ann Arbor, MI
May 19, 2014
30. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Department of Pediatrics Seminar, Weill-Cornell Medical College, New York, NY
August 19, 2014
31. Invited speaker, “Role of Notch1 in Bicuspid Aortic Valve and Ascending Aortopathy”
Midwest in the Southeast Valve Meeting, Charleston, SC
September 17, 2015
32. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Mindich Child Health and Development Institute
Mt. Sinai School of Medicine, New York, NY
April 12, 2016
33. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Cardiovascular Development and Regeneration Symposium
Gladstone Institute of Cardiovascular Disease, San Francisco, CA
May 13, 2016

34. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Department of Genetics and Genomics
University of Alabama-Birmingham, Birmingham, AL
September 16, 2016
35. Invited speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
Distinguished Cardiovascular Lectureship
University of California, Los Angeles
Los Angeles, CA
February 6, 2017
36. Invited speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
Department of Nutrition
Texas A&M University, College Station, Texas
February 20, 2017
37. Invited speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
Department of Pediatrics, Children’s Hospital of Pittsburgh
Pittsburgh, Pennsylvania
March 20, 2017
38. Invited Speaker, “Genetics and Molecular Mechanism of Aortic Valve Diseases”
Genetics and Molecular Mechanisms of Pediatric Cardiovascular Disease
AHA CVDY/JSPCCS joint session
American Heart Association Scientific Sessions, Anaheim, CA
November 14, 2017
39. Invited Speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
COBRE Center for Translational Pediatric Research Seminar Series
Arkansas Children’s Research Institute
Little Rock, AR
April 17, 2018
40. Invited Speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
Wells Center for Pediatric Research, Indiana University School of Medicine
Indianapolis, IN
May 10, 2018

41. Invited Keynote Speaker, “Genetics of Congenital Heart Disease”
Southeast Pediatric Cardiology Society Meeting
Hosted by Vanderbilt University
Nashville, TN
September 22, 2018
42. Invited speaker, “Insights into the etiology of congenital heart disease: From human genetics to mouse models”
Cardiovascular Research Institute, University of California, San Francisco
San Francisco, California
June 13, 2019
43. Invited speaker, “Insights into the etiology of cardiac malformations: From human genetics to mouse models”
Department of Pediatrics Seminar, Columbia University, New York, NY
July 14, 2020
44. Invited speaker, “Multiple Roles of NOTCH1 in aortic and aortic valve disease”
Center for Vascular and Inflammatory Diseases
University of Maryland School of Medicine
April 27, 2022
45. Invited speaker, “Multiple Roles of NOTCH1 in aortic and aortic valve disease”
Texas Center for Pediatric and Congenital Heart Disease
Dell Medical School
University of Texas at Austin
June 15, 2023
46. Invited speaker, "Uncovering the Complex Genetic Architecture of Congenital Heart Disease"
Department of Pediatrics, Grand Rounds
Dell Children's Medical Center
June 16, 2023
47. Cardiovascular Institute Frontiers Seminar
Stanford University
January 30, 2024 (scheduled)
48. Invited speaker, Cardiovascular Conference Series
University of California San Diego
March 1, 2024 (scheduled), virtual

Invited Moderator/Participant (National)

45. Invited Moderator, “Fetal Origins of Cardiac Malformations: Can the Phenotype Be Reversed?” American Heart Association Scientific Sessions, New Orleans, LA
November 9, 2008
46. Invited faculty participant
National Marfan Foundation Therapeutic Strategy Meeting, Baltimore, MD
September 23, 2009
47. Invited Moderator, “Cardiac Disease and the Premature Infant” (Platform)
Pediatric Academic Societies Annual Meeting, Boston, MA
April 28, 2012
48. Invited Moderator, “Mechanisms of Fetal and Neonatal Cardiac Growth”
Pediatric Academic Societies Annual Meeting, Washington DC
May 4, 2013
49. Invited moderator, “Cardiovascular Genetics Session” (Platform)
Weinstein Cardiovascular Development Conference, Boston, MA
May 2, 2015
50. Invited Poster Professor, Abstract Session “Cardiac Development”
American Heart Association Scientific Sessions, Orlando, FL
November 9, 2015
51. Invited Moderator, “Molecular Mechanisms of Cardiac Development” (Abstract session)
American Heart Association Scientific Sessions, Anaheim, CA
November 13, 2017
52. Invited Poster Professor, Abstract Session “Genetic and Epigenetic Regulation of Cardiac Development and Disease”
American Heart Association Scientific Sessions, Chicago, IL
November 10-12, 2018
53. Invited Moderator, “Cardiac Maturation and Function Session” (Platform)
Weinstein Cardiovascular Development and Regeneration Conference
Indianapolis, IN
May 9-11, 2019
54. Invited Moderator, “Pediatric Cardiovascular Precision Medicine” (Abstract session)
American Heart Association Scientific Sessions, Boston, MA (virtual)
November 13-15, 2021
55. Invited Poster Professor, Abstract Session “Cardiomyocyte Maturation and Development”

American Heart Association Scientific Sessions, Boston, MA (virtual)
November 13-15, 2021

REGIONAL AND INSTITUTIONAL

1. Invited speaker, “UFD1, A Candidate Gene for the CATCH-22 Syndrome”
Vascular Biology Club, UT Southwestern Medical Center, Dallas, TX.
October 19, 1998
2. Invited speaker, “22q11 Deletion Syndrome”
Cardiology Research Conference, Children’s Medical Center, Dallas, TX.
July 12, 2001
3. Invited speaker, “Understanding the Genetics of Congenital Heart Disease”
McDermott Center for Human Growth and Development Lecture Series. UT
Southwestern Medical Center, Dallas, TX.
April 14, 2003
4. Invited speaker, “Uncovering Genetic Origins of Congenital Heart Disease”
Pediatric Grand Rounds, Children’s Medical Center, Dallas, TX.
March 24, 2004
5. Invited speaker, “Genetic Aspects of Congenital Heart Disease”
Haltalin Seminar - Pediatrics for the Practitioner. Dallas, TX.
April 22, 2005.
6. Invited speaker, “Presentations from 2005 SPR Meeting”
Pediatric Grand Rounds, Children’s Medical Center, Dallas, TX.
July 20, 2005
7. Invited speaker, “Genetic Aspects of Congenital Heart Disease”
Cardiology Grand Rounds, Dept of Internal Medicine, UT Southwestern Medical Center,
Dallas, TX.
November 3, 2005
8. Invited speaker, “Genetics of Non-syndromic Congenital Heart Disease”
Neonatology Research Conference. UT Southwestern Medical Center. Dallas, TX.
February 3, 2006
9. Invited speaker, “Notch signaling and cardiovascular disease”
Department of Molecular Biology Retreat, UT Southwestern Medical Center. Lake
Texoma, TX.
May 20, 2006
10. Invited speaker, “Genetics of Congenital Heart Disease”
MSTP Works-in-Progress, UT Southwestern Medical Center, Dallas, TX.

October 3, 2006

11. Invited speaker, "Pathogenesis of Congenital Heart Disease"
Pediatric Cardiology Fellows Conference. UT Southwestern Medical Center Dallas, TX.
February 9, 2007
12. Invited speaker, "Genetic Studies of Congenital Heart Disease"
Cardiology Research Conference, Department of Internal Medicine, UT Southwestern
Medical Center, Dallas, TX
February 20, 2007
13. Invited speaker, "New Approaches for Gene Discovery in Pediatric Disease"
Neonatology Research Conference. UT Southwestern Medical Center. Dallas, TX.
May 5, 2008
14. Invited speaker, "Investigations into the genetic basis of congenital heart disease"
Heart Center Faculty Retreat, Fawcett Center, The Ohio State University, Columbus, OH
September 11, 2009
15. Invited speaker, "NOTCH Signaling and Aortic Disease"
Seminar Series, Davis Heart Lung Research Institute, Columbus, OH
October 29, 2009
16. Invited speaker, "Genetics of Congenital Heart Defects:" Current Knowledge & Future
Developments"
Pediatric Grand Rounds, Nationwide Children's Hospital, Columbus, OH
April 22, 2010
17. Invited speaker, "Uncovering Genetic Contributors for Congenital Heart Disease"
Department of Molecular Genetics Seminar Series, The Ohio State University,
Columbus, OH
December 12, 2010
18. Invited speaker, "Congenital Heart Disease: Successes, new challenges & unanswered
questions"
Heart Center Clinical and Translational Seminar Series, Columbus, OH
September 9, 2011
19. Invited speaker, "Becoming a scientist in academia: what I have learned along the way"
Trainee Seminar, Research Institute at Nationwide Children's Hospital, Columbus, OH
October 21, 2011
20. Invited speaker, "Bicuspid aortic valve and its associated diseases: Common disease
mechanisms?"
BOSS Seminar, Nationwide Children's Hospital, Columbus, OH
July 3, 2012

21. Invited speaker, “Role of Notch1 Signaling in Aortic Disease”
Heart Center Clinical and Translational Seminar Series
Nationwide Children’s Hospital, Columbus, OH
February 22, 2012
22. Invited speaker, “Congenital Heart Disease”
Young Scientist Education Series, Research Institute at Nationwide Children’s Hospital,
Columbus, OH
August 2, 2012
23. Invited speaker, “22Q Fast Facts and Update: Cardiology”
A Healthy You and 22q Conference, Nationwide Children’s Hospital, Columbus, OH
September 22, 2012
24. Invited speaker, “22q: Molecular Genetics Update”
A Healthy You and 22q Conference, Nationwide Children’s Hospital, Columbus, OH
September 21, 2013
25. Invited speaker, “MSTP Roundtable”
Ohio State University, Columbus, OH
June 23, 2016
26. Invited speaker, “Insights into the etiology of cardiac malformations: From human
genetics to mouse models”
Neonatology Academic Seminar
Nationwide Children’s Hospital
December 14, 2016
27. Invited speaker
Heart Valve Research Retreat
Fawcett Center, The Ohio State University
Columbus, OH
December 11, 2017
28. Invited speaker
Molecular Genetics Seminar, Department of Molecular Genetics
College of Arts and Sciences, The Ohio State University
January 8, 2020
29. Invited speaker
Physiology & Cell Biology Distinguished Seminar Series
Department of Physiology & Cell Biology
The Ohio State University College of Medicine
December 16, 2021

30. Invited speaker, “Medical Panel: Cardiology”
A Healthy You and 22q Conference, Nationwide Children’s Hospital, Columbus, OH
September 17, 2022
31. Invited discussant and abstract reviewer
Research Day, Department of Surgery
Ohio State University College of Medicine
May 25, 2023

DIRECT SUPERVISION

POST-DOCTORAL FELLOWS (PhD)

- | | |
|-----------|---|
| 2006-2009 | Asha Acharya, PhD
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
Supported by AHA postdoctoral fellowship (2007-2009)
<i>Current position: Instructor, Dept. of Molecular Biology, University of Texas Southwestern</i> |
| 2006-2009 | Meenakshi Maitra, PhD
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
<i>Current position: Assistant Professor of Biology, University of Texas at Dallas</i> |
| 2006-2008 | Caryn Rothrock McNally, PhD
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
Supported by UTSW T32 training grant (2006-2007)
<i>Current position: Business Development Manager, Cytiva</i> |
| 2007-2009 | Nita Sachan, PhD
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
<i>Current position: Vice President, Investments, Endiya Partners</i> |
| 2009-2012 | Chaitali Misra, PhD
Research Institute at Nationwide Children’s Hospital
<i>Current position: Research Scientist, Takeda Pharmaceuticals</i> |
| 2009-2012 | Chetan Hans, PhD
Research Institute at Nationwide Children’s Hospital
Supported by AHA Beginning Grant-in-Aid/Scientist Development Grant
<i>Current position: Assistant Professor (tenure track), University of Missouri</i> |
| 2010-2014 | Kevin Bosse, PhD |

Research Institute at Nationwide Children's Hospital
Supported by NCH/OSU T32 training grant (2011-2013)
*Current position: Director, Research Regulatory Affairs, Abigail Wexner
Research Institute, Nationwide Children's Hospital*

- 2013-2017 Madhumita Basu, PhD
Research Institute at Nationwide Children's Hospital
Partial support by NCH Postdoctoral Idea Award (2014)
Supported by AHA Postdoctoral Fellowship (2015-2017)
Supported by AHA Career Development Award (2018-2021)
Current position: Senior Research Scientist, Mellicell
- 2017-2021 Sathya Manivannan, PhD
Research Institute at Nationwide Children's Hospital
Supported by NIH T32 fellowship (2018-21)
Supported by Research Institute Postdoctoral Idea Award (2020-2021)
Supported by AHA Postdoctoral Fellowship (2021)
Current position: Senior Scientific Consultant, Qiagen
- 2015-2021 Uddalak Majumdar, PhD
Research Institute at Nationwide Children's Hospital
Current position: Research Scientist, Eurofins
- 2021-2023 Shaela Pervin, PhD
Research Institute at Nationwide Children's Hospital
Current position: Postdoctoral scientist, UCSF
- 2024-present Anupama Rao, PhD
Research Institute at Nationwide Children's Hospital

CLINICAL FELLOWS (MD)

- 2006-2007 Ivory Crittendon, MD
Pediatric Resident
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
Current position: Pediatric Cardiologist, Ochsner Hospital for Children
- 2007-2009 Ashleigh Richards, MD
Fellow, Division of Pediatric Cardiology
Department of Pediatrics, University of Texas Southwestern
Dallas, Texas
Current position: Pediatric Cardiologist, Medical City Hospital (Dallas, Texas)
- 2011-2013 Elizabeth Bonachea, MD
Fellow, Division of Neonatology

Department of Pediatrics, Ohio State University
Nationwide Children's Hospital
Current position: Associate Professor of Pediatrics, Ohio State University

2014-2016 Holly A. Nadorlik, DO
Fellow, Division of Pediatric Cardiology
Department of Pediatrics, Ohio State University
Nationwide Children's Hospital
Current position: Assistant Professor of Pediatrics, Cleveland Clinic

2016-2017 Kaitlin L'Italien, MD
Fellow, Division of Pediatric Cardiology
Department of Pediatrics, Ohio State University
Nationwide Children's Hospital
Current position: Assistant Professor of Pediatrics, Ohio State University

2019-2021 Jeffrey Bennett, MD, PhD
Cardiology Fellow, Division of Pediatric Cardiology
Department of Pediatrics, Ohio State University
Nationwide Children's Hospital
Current position: Assistant Professor of Pediatrics, Cleveland Clinic

2018-2023 Jun Yasuhara, MD
Visiting Pediatric Cardiologist, Keio University, Tokyo, Japan
Research Institute at Nationwide Children's Hospital
Supported by fellowship from Japan Heart Foundation
Current position: Pediatric cardiology fellow, Royal Children's Hospital, Melbourne, Australia

2020-present Ruth Ackah, MD
Resident, General Surgery, The Ohio State University
Biomedical Sciences Graduate Program (PhD)
The Ohio State University College of Medicine
Supported by NIH/NHLBI F32HL160059 fellowship &
2022 NCH Postdoctoral Idea Award

GRADUATE STUDENTS (PhD)

2010-2014 Sheng-Wei Cheng
Molecular, Cellular and Developmental Biology Graduate Program
PhD
Ohio State University
Current position: Laboratory Scientist, Bionano Genomics

2013-2016 Sara Koenig
Biomedical Sciences Graduate Program

PhD
Ohio State University
Supported by Ohio State CCTS TL1 fellowship award (2014-2016)
Current position: Assistant Professor (tenure track), Ohio State University

2012-2017 Stephanie LaHaye
Molecular Genetics Graduate Program
PhD
Ohio State University
Supported by AHA Predoctoral fellowship award (2016-2017)
Outstanding Graduate Student Award, Nationwide Children's Hospital Research Institute
Current position: Principal Scientist, Tempus Labs

2016-2021 Adrianna P. Matos Nieves
Molecular, Cellular and Developmental Biology Graduate Program
PhD
Ohio State University
Supported by NIH/NHLBI R01 Diversity Supplement & NIH T32 Predoctoral Fellowship
Current position: Senior Program Coordinator K-12 Education, Broad Institute

2019-present Talita Choudhury
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
The Ohio State University College of Medicine

2022-present Benjamin Gilbert
Molecular Genetics Graduate Program (PhD)
Department of Molecular Genetics
The Ohio State University College of Arts and Sciences

2023-present Mona Aljuhani
Biomedical Sciences Graduate Program (PhD)
The Ohio State University College of Medicine
Supported by NIH T32 Predoctoral Fellowship

GRADUATE STUDENTS (Master of Science)

2018-2019 Cody Magnuson
Division of Anatomy Graduate Program
M.S. (candidate)
Ohio State University
Current position: Medical Student, Ohio State University

POST-BACCALAUREATE STUDENTS

2016-2017 Amelia Cephas
Discovery PREP Program – NIH R25 Award
Ohio State University
Current position: Graduate Student, Vanderbilt University

ROTATION GRADUATE STUDENTS

2006 Annette Sinetko
Integrative Biology Graduate Program (PhD)
University of Texas Southwestern

2006 Joanie Neumann
Integrative Biology Graduate Program (PhD)
University of Texas Southwestern

2010 Sable Janney
Biomedical Sciences Graduate Program (PhD)
Ohio State University College of Medicine

2010 Sheng-Wei Cheng
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
Ohio State University College of Medicine

2013 Stephanie LaHaye
Molecular Genetics Graduate Program (PhD)
Ohio State University College of Arts and Sciences

2015 Adrianna P. Matos
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
Ohio State University College of Medicine

2018 Talita Choudhury
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
Ohio State University College of Medicine

2022 Benjamin Gilbert
Molecular Genetics Graduate Program (PhD)
Ohio State University College of Arts and Sciences

2022 Rafia Rahat
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
Ohio State University College of Medicine

2022 Yogesh Budhathoki
Molecular, Cellular and Developmental Biology Graduate Program (PhD)
Ohio State University College of Medicine

SUMMER STUDENTS

Medical Students

- 2008 David Sutcliffe
University of Texas Southwestern Medical School
Current position: Asst Professor of Pediatrics (Cardiology), UT Southwestern
- 2010 Mona Mislanker
University of Cincinnati School of Medicine
Supported by APS/SPR medical student research program
Current position: Dermatologist, private practice
- 2010 Parveen Memarzadeh
Ohio State University School of Medicine
Supported by Roessler Medical Student Research Scholarship, Ohio State University
- 2018 Emily Rowland
University of Toledo School of Medicine
Current position: Pediatric Resident, Nationwide Children's Hospital
- 2020 Cody Magnuson
Ohio State University School of Medicine
Supported by Roessler Medical Student Research Scholarship, Ohio State University
Current position: Emergency Medicine Resident, Prisma Health
- 2022 Karlee Schulz
Ohio State University School of Medicine
Supported by Roessler Medical Student Research Scholarship, Ohio State University
- 2023 Olivia Wiant
Ohio University Heritage College of Osteopathic Medicine
Current position: Pediatric Resident, Nationwide Children's Hospital

College Students

- 2007 Jeremy Velasquez
Macalester College, MN
Supported by UTSW Summer Undergraduate Research Fellowship (SURF)
University of Texas Southwestern
- 2008 Lasun Oladeji

Duke University, NC
Supported by UTSW Summer Undergraduate Research Fellowship (SURF)
University of Texas Southwestern

- 2008 Jordan Achtman
 University of Pennsylvania
 Supported by UTSW Summer Undergraduate Research Fellowship (SURF)
 University of Texas Southwestern
- 2010 Wajid Riyaz
 Ohio State University
- 2012 Patrick Rowland
 Ohio State University
 Supported by AHA Summer Undergraduate Research Fellowship
- 2012-2013 Courtney Vaughn
 Ohio State University
- 2014 Clair Kronk
 University of Pittsburgh
- 2015 Olivia Beeson
 Vanderbilt University
 Supported by AHA Summer Undergraduate Research Fellowship
- 2017 Elliot Fite
 Boston College
- 2017 Alex Young
 Ohio State University
 Supported by AHA Summer Undergraduate Research Fellowship
- 2018 Anna Fischer
 Emory University
 Supported by AHA Summer Undergraduate Research Fellowship
- 2019 Weichen Zhao
 Kenyon University
 Supported by AHA Summer Undergraduate Research Fellowship
- 2021 Sarah Grescovich
 Kenyon University
- 2022 Michael Boutros
 Ohio State University

- 2022 Ivianis Nieves Carril
University of Puerto Rico
Supported by AHA Summer Undergraduate Research Fellowship
- 2022-23 Yousuf Muhammed-Nasser
Ohio State University
- 2023 Aleena Arif
Ohio State University
- 2023 David Benmoshe
Touro University
Supported by NIH/NHLBI R25 program
- 2023 Sarah Grescovich
Ohio State University
Supported by AHA Summer Undergraduate Research Fellowship

High School Students

- 2006 Flor Rojas
Roosevelt High School, Dallas Texas
STARS Program (Science Teacher Access to Resources at Southwestern)
University of Texas Southwestern Medical Center
- 2008 Candace Turner
Seagoville High School, Seagoville Texas
STARS Program (Science Teacher Access to Resources at Southwestern)
University of Texas Southwestern Medical Center
- 2010 Victoria Auten
Metro High School, Columbus, Ohio
CCTS Summer Research Experience Program
Ohio State University
- 2011 Karina Rambeau
Greenhill School, Dallas, Texas
- 2014 Elliot Fite
Wellington School, Columbus, Ohio
- 2016 Rahul Kumar
Metro High School, Columbus, Ohio
Futures Matter Program, Research Institute at Nationwide Children's Hospital

2017 Allison Dang
 Metro High School, Columbus, Ohio
 Bodies Program, Research Institute at Nationwide Children's Hospital

OTHER LAB PERSONNEL

2002-2004 Marie K. Schluterman, B.S. (research assistant)
 2005-2006 Amanda E. Krysiak, B.S. (research assistant)
 2006-2009 Haley Nichols, B.S. (research assistant)
 2007-2009 Hubert Pan, B.S. (clinical research assistant)
 2009-2013 Sara Koenig, B.A. (research assistant/associate)
 2009-2018 Sara Fitzgerald-Butt M.S. (cardiovascular genetics counselor)
 2012 Jeeyun Cheng, B.S. (research assistant)
 2010-2014 Nianyuan Huang, B.S. (research associate)
 2015-2016 Darian Bauer, B.S. (research assistant)
 2015-2017 Kate Myers, B.S. (clinical research coordinator)
 2016-2017 James Feller, B.S. (research associate)
 2017 Erika Tamillo, B.S. (clinical research coordinator)
 2017-2021 Emily Morris Cameron, M.S. (senior research associate)
 2018 Paige Sanchez, M.S. (clinical research coordinator)
 2019 Kate Myers, M.S. (clinical genetics counselor)
 2019-2022 Sara Adamczak B.S. (research associate)
 2021-2022 Uddalak Majumdar, Ph.D. (research scientist)
 2021-2023 Aiman Khan, M.S. (bioinformatic scientist)
 2022-present Holly Girard B.S. (research assistant)

ADVISORY COMMITTEES

External PhD Thesis Advisory Committee (national and international)

2012	Thesis (PhD) Examiner Student: Mahdi Moradi Marjaneh Mentor: Richard Harvey PhD, University of New South Wales Graduate Research School, Sydney, Australia
2017	Thesis (PhD) External Examiner Student: Anupama Kakkar Department of Cardiovascular Thoracic Surgery, All India Institute of Medical Sciences, New Delhi, India
2018	Thesis (PhD) External Examiner Student: Lara Gharibeh Mentor: Mona Nemer PhD, Chief Science Advisor Govt. of Canada University of Ottawa, Ottawa, Canada
2019	Thesis (PhD) External Examiner Student: Felix Richter Mentor: Bruce Gelb MD, Director of Mindich Institute Icahn Mt. Sinai School of Medicine, New York, New York

Graduate Student Committees

2006	Member, Qualifying Exam Committee Jessica Ables, Integrative Biology Graduate Program (PhD) University of Texas Southwestern
2007	Chair, Qualifying Exam Committee Dung Mac, Integrative Biology Graduate Program (PhD) University of Texas Southwestern
2008	Member, Qualifying Exam Committee Meredith L. Akins, Integrative Biology Graduate Program (PhD) University of Texas Southwestern
2007-2009	Member, Thesis Committee (PhD) Christopher Smith, MSTP Graduate Program University of Texas Southwestern
2010-2014	Member, Qualifying Exam and Thesis Committee (PhD) Sheng-Wei Chang, Molecular, Cellular and Developmental Biology Graduate Program Ohio State University
2011-2014	Member, Qualifying Exam and Thesis Committee (PhD) Ning Zhao, Molecular Cellular Developmental Biology Graduate Program

Ohio State University

- 2011-2015 Member, Qualifying Exam and Thesis Committee (PhD)
Cho-Hao Lin, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2012-2017 Member, Qualifying Exam and Thesis committee (PhD)
Stephanie LaHaye, Department of Molecular Genetics
Ohio State University

- 2012-2015 Member, Qualifying Exam and Thesis committee (PhD)
Matthew Gorr, Biomedical Sciences Graduate Program
Ohio State University

- 2012-2016 Member, Qualifying Exam and Thesis committee (PhD)
Lindsey Miller, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2013-2016 Member, Qualifying Exam and Thesis committee (PhD)
Sara Koenig, Biomedical Sciences Graduate Program
Ohio State University

- 2013-2016 Member, Qualifying Exam and Thesis committee (PhD)
Karley Mahalak, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2013-2015 Member, Qualifying Exam and Thesis committee (PhD)
Jaideep Banerjee, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2017-2021 Member, Qualifying Exam and Thesis committee (PhD)
Adrianna Matos, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2018-2021 Member, Thesis committee (PhD)
Emily Nordquist, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2019-2022 Member, Thesis committee (PhD)
Randa Breikaa, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2020-present Member, Qualifying Exam and Thesis committee (PhD)
Talita Choudhury, Molecular Cellular Developmental Biology Graduate Program
Ohio State University

- 2022-present Member, Qualifying Exam and Thesis committee(PhD)
Mona Aljuhani, Biomedical Sciences Graduate Program
Ohio State University
- 2022-present Member, Qualifying Exam and Thesis committee(PhD)
Ruth Ackah, Biomedical Sciences Graduate Program
Ohio State University
- 2023-present Member, Qualifying Exam and Thesis committee(PhD)
Javier Contreras, Biomedical Sciences Graduate Program
Ohio State University

Clinical Fellow Scholarship Committees

- 2005-2007 Member, Fellowship Scholarship Oversight Committee
Cem Nasohoglu, Cardiology fellow
Department of Pediatrics, University of Texas Southwestern
- 2006-2008 Member, Fellowship Scholarship Oversight Committee
Laura Murphy, Pediatric ICU fellow
Department of Pediatrics, University of Texas Southwestern
- 2006-2008 Member, Fellowship Scholarship Oversight Committee
Jason Litten, Hematology & Oncology fellow
Department of Pediatrics, University of Texas Southwestern
- 2009-2012 Member, Scholarship Oversight Committee
Nazire Ozcelik, Cardiology fellow
Nationwide Children's Hospital
- 2009-2013 Member, Scholarship Oversight Committee
William Kay, Cardiology fellow
Nationwide Children's Hospital
- 2010-2013 Chair, Scholarship Oversight Committee
Nazia Husain, Cardiology fellow
Nationwide Children's Hospital
- 2010-2013 Chair, Scholarship Oversight Committee
Janaki Gokhale, Cardiology fellow
Nationwide Children's Hospital
- 2011- 2013 Member, Scholarship Oversight Committee
Elizabeth Bonachea, Neonatology fellow
Nationwide Children's Hospital

2013-2016	Member, Scholarship Oversight Committee Jeffrey Moore, Cardiology fellow Nationwide Children's Hospital
2013-2016	Member, Scholarship Oversight Committee Ryan Roberts, Hematology & Oncology fellow Nationwide Children's Hospital
2014-2016	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Carolyn Wilhelm, Jeffrey Moore, Christopher Bugnitz, Joshua Thomas, Elizabeth Mitchell, Kaitlin L'Italien)
2016-2017	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Joshua Thomas, Elizabeth Mitchell, Kaitlin L'Italien, Pace Johnston, John Kelly Adam Morrison, Tara Cosgrove, Carmen Kiper, Anudeep Jassal)
2017-2018	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Pace Johnston, John Kelly Adam Morrison, Tara Cosgrove, Carmen Kiper, Anudeep Jassal, Jason Cole, Tyler Cunningham, Christina Fink)
2018-2019	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Tara Cosgrove, Carmen Kiper, Anudeep Jassal, Jason Cole, Tyler Cunningham, Christina Fink, Jeff Bennett, Brittney Hills, Emily Hayes)
2019-2020	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Jason Cole, Tyler Cunningham, Christina Fink, Jeff Bennett, Brittney Hills, Emily Hayes, Julie Aldrich, Hannah Jacobs, Erin Nealon)
2020-2021	Chair Scholarship Oversight Committees Pediatric Cardiology Fellows (Jeff Bennett, Brittney Hills, Emily Hayes, Julie Aldrich, Hannah Jacobs, Erin Nealon, Aaron Walsh, William Fogarty, Rachel Harris)
2021-2022	Chair Scholarship Oversight Committees

Pediatric Cardiology Fellows (Julie Aldrich, Hannah Jacobs, Erin Nealon, Aaron Walsh, William Fogarty, Rachel Harris, Zachary Daniels, Jaclyn Giafaglione, Matthew Laubham)

2022-2023 Chair
 Scholarship Oversight Committees
 Pediatric Cardiology Fellows (Aaron Walsh, William Fogarty, Rachel Harris, Zachary Daniels, Jaclyn Giafaglione, Matthew Laubham; Jennifer Barbadora, Angela Onorato, Rachel Tonnis)

Faculty Mentoring Committees

2009 Member, Scientific Advisory Committee (K08 award)
 Nikhil Munshi, MD, PhD
 Division of Cardiology
 Department of Internal Medicine
 University of Texas Southwestern

2011-2016 Member, Scientific Advisory Committee (K08 award)
 Bernadette Chen, MD
 Division of Neonatology
 Nationwide Children's Hospital
 Department of Pediatrics, Ohio State University

2013-2017 Member, Scientific Advisory Committee (K08 award)
 Jonathan Slaughter, MD, MPH
 Division of Neonatology
 Nationwide Children's Hospital
 Department of Pediatrics, Ohio State University

2015-2016 Member, Scientific Advisory Committee (K23 application)
 Carl H. Backes, MD
 Division of Neonatology
 Nationwide Children's Hospital
 Department of Pediatrics, Ohio State University

2016-2017 Member, Scientific Advisory Committee (K08 application)
 Stephanie Ford, MD
 Division of Neonatology
 Department of Pediatrics, Case Western Reserve University
 Rainbow Babies & Children's, Cleveland, OH

2016-2021 Member, Scientific Advisory Committee (K23 award)
 Jamie Jackson, PhD
 Center for Biobehavioral Health
 Research Institute at Nationwide Children's Hospital

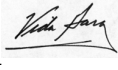
- 2018-2021 Member, Mentoring Committee (AHA Career Development Award)
 Madhumita Basu, PhD
 Center for Cardiovascular Research
 Research Institute at Nationwide Children's Hospital
- 2019 Member, Mentoring Committee
 Dhvanit Shah, PhD
 Center for Childhood Cancer and Blood Diseases
 Research Institute at Nationwide Children's Hospital
- 2019-2021 Member, Mentoring Committee (AHA Career Development Award)
 Mingtao Zhao, PhD
 Center for Cardiovascular Research
 Research Institute at Nationwide Children's Hospital
- 2021-present Member, Scientific Advisory Committee (TL1 award)
 Kristen Fox, PhD
 Center for Biobehavioral Health
 Research Institute at Nationwide Children's Hospital
- 2022-present Research Mentor
 Aimee Bigelow, MD
 Division of Cardiology
 Nationwide Children's Hospital
 Department of Pediatrics, Ohio State University
- 2022-present Research Mentor
 Jessie Yester, MD
 Division of Cardiology
 Nationwide Children's Hospital
 Department of Pediatrics, Ohio State University
- 2023-present Clinician Scholar Oversight Committee
 Department of Pediatrics, Ohio State University
 Nationwide Children's Hospital

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- 1994 - present American Academy of Pediatrics, Fellow
- 1998 - present American Heart Association, Fellow
 Councils: Basic Cardiovascular Sciences (BCVS), Lifelong Congenital
 Heart Disease and Heart Health in the Young (Young Hearts), Genomics
 and Precision Medicine (GPM)

2005 - present	Society of Pediatric Research (elected)
2008 - present	American Society of Human Genetics
2015 - present	American Association for Advancement of Science
2016 - present	American Pediatric Society (elected)
2018 - present	Heart Valve Society
2019 – present	American College of Cardiology, Fellow (Member 1998 – 2003)

I have reviewed the curriculum vitae for completeness and accuracy and agree with its content.

Signature _____  _____

Date _____ 12/1/2023 _____