

CURRICULUM VITAE

Deepak Srivastava, M.D.

President, Gladstone Institutes
Director, Roddenberry Center for Stem Cell Biology and Medicine at Gladstone

Professor, Departments of Pediatrics and Biochemistry & Biophysics
Wilma and Adeline Pirag Distinguished Professor in Pediatric Developmental Cardiology
University of California San Francisco

1650 Owens Street
San Francisco, CA 94158

Professional Experience:

2018– President, Gladstone Institutes, San Francisco, CA
2011– Director, Roddenberry Center for Stem Cell Biology and Medicine, Gladstone Institutes, San Francisco, CA
2006– Professor, Department of Biochemistry & Biophysics, University of California, San Francisco (UCSF)
2005–2019 Director, Gladstone Institute of Cardiovascular Disease, San Francisco, CA
2005– Professor, Department of Pediatrics, UCSF
2005– Wilma and Adeline Pirag Distinguished Professor in Pediatric Developmental Cardiology, UCSF
2005– Attending Physician, Pediatric Cardiology, UCSF Children’s Hospital
2004–2005 Professor, Department of Pediatrics, Division of Cardiology, University of Texas Southwestern (UTSW) Medical Center, Dallas, TX
2004–2005 Professor, Department of Molecular Biology, UTSW Medical Center, Dallas, TX
2003–2005 Senior Co-Director, March of Dimes Birth Defects Research Center at UTSW Medical Center, Dallas, TX
2000–2004 Associate Professor, Department of Pediatrics, Division of Cardiology, UTSW, Dallas, TX
2000–2004 Associate Professor, Department of Molecular Biology, UTSW, Dallas, TX
1996–2000 Assistant Professor, Department of Pediatrics, Division of Cardiology, UTSW, Dallas, TX
1996–2000 Assistant Professor, Department of Molecular Biology, UTSW Medical Center, Dallas, TX
1996–2005 Attending Physician, Pediatric Cardiology, Children’s Medical Center of Dallas

Education:

1994–1996 Fellow, Pediatric Scientist Development Program (Eric N. Olson, Supervisor), Department of Molecular Biology and Biochemistry, M.D. Anderson Cancer Center
1992–1994 Fellowship, Pediatric Cardiology, (Bernardo Nadal-Ginard/James Lock, Supervisors), Department of Cardiology, Harvard Medical School, Children’s Hospital, Boston
1990–1992 Residency, Pediatrics, (Abraham Rudolph/Larry Shapiro, Supervisors), Department of Pediatrics, University of California San Francisco
1986–1990 M.D., Research Honors, University of Texas Medical Branch
1983–1986 B.A., Biochemistry, Rice University

Medical Licensure: California
Board Certification: Pediatric Cardiology

Awards and Honors:

2022	International Okamoto Award, Japan Research Foundation for Healthy Aging
2020	Rice University Distinguished Alumnus Award
2017	Upstart 50 Inventor Award, San Francisco Business Times
2016	Andras Varro Award for Excellence in Cardiovascular Sciences; International Academy of Cardiovascular Sciences
2015	World Affairs Council Award, San Francisco, CA
2014	Elected to the National Academy of Medicine
2014	Elected to the International Academy of Cardiovascular Sciences
2013	Bay Bio Pantheon Award for Scientific Achievement
2013	Best Manuscript Award, <i>Circulation Research</i>
2013	Ashbel Smith Distinguished Alumnus Award, University of Texas Medical Branch, Galveston, TX
2013	Outstanding Investigator Award, International Society for Heart Research
2012	George E. Brown Memorial Lecturer, American Heart Association
2012	Elected to the American Pediatric Society
2012	Abraham White Scientific Achievement Award
2011	Fellow of the American Association for the Advancement of Science
2010	Fellow of the American Heart Association
2010	Elected to the American Academy of Arts and Sciences
2008	Mavis P. Kelsey Lecturer, Texas Medical Center, Houston, Texas
2007	E. Mead Johnson Award, Society for Pediatric Research
2005	Wilma and Adeline Pirag Distinguished Professorship in Pediatric Developmental Cardiology
2004	Elected to the American Society of Clinical Investigation
2004	Award for Contributions in Medicine, Dallas Asian Chamber of Commerce
2004	Elected to the Society for Pediatric Research
2002	Pogue Distinguished Chair in Research on Cardiac Birth Defects
2000	Joel B. Steinberg Chair in Pediatrics
1998	Young Investigator Award, Perinatal Research Society
1998	Richard Rowe Award, Society for Pediatric Research
1996	Louis and Arnold Katz Basic Science Award, American Heart Association, Finalist
1995	Fellow's Basic Science Research Award, Society for Pediatric Research
1995	Young Investigator Award, American Heart Association
1993–96	National Institute of Health Pediatric Scientist Development Award
1990	Magna Cum Laude, UTMB
1990	UTMB Medical Student Research Award
1986	University of Texas Academic Excellence Award

Professional Society Activities and Affiliations:

2019–2020	President, International Society for Stem Cell Research
2018–2019	President-Elect, International Society for Stem Cell Research
2017–	Section Head for Developmental Biology, Faculty of 1000
2017–2018	Vice President, International Society for Stem Cell Research
2017, 2019	Annual Meeting Program Committee, International Society for Stem Cell Research
2014–2017	Council Member, North American Section of the International Academy of Cardiovascular Sciences
2014–2016	Program Chair, 2016 Annual Meeting, International Society for Stem Cell Research
2013–2014	Nominating Committee, American Pediatric Society
2013–	Baker Institute Scholar for Biomedical Research Policy, Rice University
2013–2014	Secretary, Board of Directors, Western States Affiliate, American Heart Association
2010–2022	Board of Directors Member, International Society for Stem Cell Research

2010, 2012 Annual Meeting Program Committee, International Society for Stem Cell Research
 2008–2013 President, Board of Directors, American Heart Association, San Francisco chapter
 2007–2018 National Heart, Lung and Blood Institute Board of External Experts
 2008–2010 Program Committee, American Heart Association Basic Science Council
 2008–2011 Member, International Society for Stem Cell Research Clinical Translation Committee
 2006–2013 Board Member, American Heart Association, San Francisco chapter
 2002–2004 Leadership Committee, American Heart Association Council on Basic Sciences
 2001–2004 Member, American Heart Association, Early Career Development Program Committee
 1999–2005 Board Member, March of Dimes North Texas Chapter
 1993, 1994 Operation Smile, Kenya
 1991–1993 American Academy of Pediatrics, Resident Representative to the AMA
 1989–1990 President, Texas Medical Association-Medical Student Section

International Conferences Organized

2018–2022 Organizer, ISSCR Nucleus Forum
 2016, 2020 Co-Organizer, ISSCR Annual Meeting, San Francisco, CA
 2014 Organizer, Keystone Symposium on Stem Cells and Reprogramming
 2012 Organizer, ISSCR-Roddenberry International Symposium on Cellular Reprogramming
 2012 Organizer, Keystone Symposium on Cardiac Development and Regeneration
 2004 Organizer, Keystone Symposium on Congenital Heart Disease and Cardiac Development
 2002 Co-Organizer, Takao International Symposium on Congenital Heart Disease, Tokyo
 2001 Organizer, 2001 Weinstein Cardiovascular Development Conference
 2000–2005 Organizing Committee, Weinstein Cardiovascular Development Conference

Patents

U.S. Patent 7,390,792 entitled “MicroRNA1 therapies” issued June 24, 2008. Inventors: Deepak Srivastava, Chulan Kwon.

U.S. Patent 7,531,318 B2 entitled “Screening of Agents for Activity Against Ischemic Myocardial Insults” issued May 12, 2009. Inventors: Deepak Srivastava, Ildiko Bock-Marquette, and Ankur Saxena.

U.S. Patent 7,629,121 entitled “Notch1 Variants Associated with Cardiovascular Disease” issued December 8, 2009. Inventors: Deepak Srivastava and Vidu Garg.

U.S. Patent 7,718,630 entitled “MicroRNA1 Therapies” issued May 18, 2010. Inventors: Deepak Srivastava, Chulan Kwon.

U.S. Patent 7,776,816 entitled “Preserving Hypoxic Tissue” issued August 17, 2010. Inventors: Deepak Srivastava and Ankur Saxena.

US Patent 8,735,568 entitled “Methods of Modulating Smooth Muscle Cell Proliferation and Differentiation” issued on May 27, 2014. Inventors: Deepak Srivastava and Kimberly Cordes.

US Patent 9,364,506 entitled “Methods of Modulating Smooth Muscle Cell Proliferation and Differentiation” issued on June 14, 2016. Inventors: Deepak Srivastava and Kimberly Cordes.

U.S. Patent 9,517,250 entitled “Methods for Generating Cardiomyocytes” issued on October 19, 2012. Inventors: Deepak Srivastava and Masaki Ieda.

U.S. Patent 9,517,251 entitled “Methods for Generating Cardiomyocytes” issued on December 13, 2016. Inventors: Deepak Srivastava and Masaki Ieda.

US Patent Number 9,828,585 for “Methods for Generating Cardiomyocytes”, issued November 28, 2017.
Inventors: Deepak Srivastava and Jidong Fu

US Patent Number 10,669,596 for “Methods for Inducing Cell Division of Postmitotic Cells”, issued June 2, 2020. Inventors: Deepak Srivastava and Tamer M.A. Mohamed

National Peer Review Activities

Journal Peer-Review:

Cell, Science, Nature, Nature Genetics, Nature Medicine, Genes & Development, Developmental Cell, Cell Stem Cell, Development, Developmental Biology, Circulation, Circulation Research, Journal of Cell Biology, Journal of Clinical Investigation, etc.

Editorial Boards:

2013–2020 *Cell*
2013– *Cell Stem Cell*
2013– *Stem Cell Reports*
2012–2017 *eLife*, Board of Reviewing Editors
2011–2016 *Current Opinion in Genetics and Development*
2009– *EMBO Molecular Medicine*, member of Advisory Editorial Board
2009–2011 *Circulation Research*, member of Board of Consulting Editors
2008–2017 *Circulation: Cardiovascular Genetics*
2007–2019 *Journal of Molecular and Cellular Cardiology*
2003–2015 *Developmental Dynamics*
2002–2005 *Developmental Biology*
2002–2006 *Circulation Research*

Grant Review Activities:

2003–2008 March of Dimes Advisory Committee for Research
2000–2004 Member, Cell Development and Function-5 (CDF-5) NIH Study Section (DEV-2)
1999, '00, '03 NIH Study Section member for Program Project Grants
1999–2001 American Heart Association Grant Review Committee
1998 Ad hoc member, NIH Study Section on Human Embryology & Development 2

Scientific Advisory Boards:

2021– Additional Ventures
2016– Tenaya Therapeutics (Chair)
2015–2021 Americans for Cures
2013–2016 Berkeley Lights, Inc.
2009– Children’s Hospital Boston, Harvard Medical School (Chair, 2016-2018)
2009–2013 iPierian, Inc. (Co-Chair)
2006–2014 RegeneRx Biopharmaceuticals, Inc.

Commercial Relationships

2007–2014 Co-Founder, iPierian Inc.
2016– Co-Founder and Board of Directors, Tenaya Therapeutics

Institutional Committee Responsibilities

2022–	Member, Department of Pediatrics Senate Series Promotion Committee, UCSF
2019–2020	Chair, UCSF Search Committee for Director of Gladstone Institute of Virology and Immunology
2018–2019	Chair, UCSF Search Committee for Director of Gladstone Institute of Cardiovascular Disease
2017–2019	Member, UCSF Search Committee for Director of Cardiovascular Research Institute
2017–	Member, Pediatric Heart Center Research Director Search Committee, UCSF
2016–	Member, Neonatology & Cardiovascular Research Institute Faculty Search Committee, UCSF
2015–2017	Chair, Pediatric Cardiology Chief Search Committee, UCSF
2010–2012	Academic Senate Promotions Committee, Department of Pediatrics, UCSF
2009–	Developmental Biology Executive Committee, UCSF
2007–	Member, Medical Student Training Program (MSTP) Council, UCSF
2007–2009	Member, Chair of Cardiology Search Committee, UCSF
2006–	Mission Bay Leadership Group, UCSF
2005	Member, Consolidated Genomics Core Steering Committee, UCSF
2005–2008	Co-Director, Cardiovascular Pipeline, Institute for Regeneration Medicine, UCSF
2005–2015	Chair, Gladstone Institute of Cardiovascular Disease Faculty Search Committee, UCSF
2005–2008	Member, Stem Cell Research Programming Committee, UCSF
2003	Member, Chair of Internal Medicine Search Committee, UTSW
2002–2005	Member, Chief of Pediatric Cardiothoracic Surgery Search Committee, UTSW
2002	Member, Chief of Cardiology Search Committee, UTSW
2002–2005	Steering Committee, Genes & Development Graduate Program, UTSW
2001–2005	Pediatric Clinical/Academic Integration Committee, UTSW
2000–2005	Steering Committee, Medical Scientist Training Program, UTSW

Teaching Activities

Graduate and Medical School Courses

2017–	Lecturer, Inquiry Curriculum, UCSF Medical School
2009–	Lecturer, Cardiovascular Embryology, UCSF Medical School
2007–	Lecturer, Stem Cell Biology, UCSF Biomedical Sciences Graduate Program
2006–	Examiner, Qualifying Exams, BMS and PIBS Graduate Programs
2005–	Lecturer, Developmental Biology, UCSF Program in Biological Sciences
2005–	Lecturer, Human Biology, UCSF Biomedical Sciences Graduate Program
1999–2005	Lecturer, Genetics Course, UTSW Graduate School
1998–2005	Lecturer, Vertebrate Development Course, UTSW Graduate School
1998–2005	Lecturer, Human Embryology, UTSW Medical School
1997–2005	Lecturer, Human Biology and Disease Course, UTSW Graduate School

Ph.D. Thesis Committees

Present:

Alex Merriman
Maureen Pittman
Will Flanigan

Past:

Tom Beres
Kunhua Song
David Hawkins
Jimmy Holder
Stacey Glasgow
Tomas Barrientos
Michael Arnold
David McFadden
Amanda Masino
Kathryn Ivey
Aparna Aiyer
Patrick Murphy
Irfan Kathiriya
Stephanie Pierce

Garrett Gottway
Ankur Saxena
Joshua Ransom
Kimberly Cordes
Sarah Morton
Sangho Yu
Collin Melton
Paul Cheng
Tyson Kim
Neil Sheehy
Jeff Alexander
Mark White
Robert Judson
Amy Heidersbach

Genevieve Erwin
James Pinney
Emily Berry
Renee Rivas
Christina Theodoris
Siang Yun Ang
Debbie Ruelas
D’Juan Farmer
Nicole Stone
Matthew George
Yvanka de Soysa
Ariel Kauss
Bonnie E.J. Maven

Invited Lectures (2010–present; *Keynotes)

2022 *Keynote, Duke-Stanford Cardiovascular Research Symposium (virtual)
2022 Ernest McCulloch Memorial Lecture, ISSCR Annual Meeting, San Francisco, CA
2022 International Workshop on Heart Failure, Cherian Institute of Medical Sciences, Kerala, India (virtual)
2022 University of California San Diego, Genetics, Bioinformatics and Systems Biology Colloquium (virtual)
2022 The Pontifical Academy of Sciences Workshop on Stem Cells and Their Promise for Regenerative Medicine, Vatican City
2022 FASEB Catalyst Conference: Form and Function—Stem Cells in Action (virtual)
2021 Tissue Engineering Lecture Series, Columbia University (virtual)
2021 Seaver College of Science & Engineering Spotlight Talk, Loyola Marymount University
2021 Institute of CardioScience Lecture, Johns Hopkins University (virtual)
2021 Fetal Diagnosis Grand Rounds, Johns Hopkins University (virtual)
2021 Fromm Institute, University of San Francisco medical lecture series (virtual)
2021 *Keynote, Center for Definitive and Curative Medicine, Stanford University (virtual)
2021 SUNY Buffalo 5th Annual Stem Cells in Regenerative Medicine Symposium (virtual)
2021 Kansas City University Basic Science Seminar Series (virtual)
2021 Additional Ventures Single Ventricle Investigator Meeting (virtual)
2021 *Keynote, Stanford Center for Definitive and Curative Medicine (virtual)
2021 Lillehai Heart Institute, University of Minnesota (virtual)
2020 UCLA Broad Stem Cell Research (virtual)
2020 International Society for Heart Research (virtual)
2020 Japanese Circulation Society (virtual)
2020 American Heart Association Basic Cardiovascular Sciences (virtual)
2020 *Keynote, Keystone Symposium on Heart Failure, Keystone, CO
2020 Northwestern University, Regenerative Biology Seminar, Chicago, IL
2019 Amgen Regenerative Medicine Symposium, San Francisco, CA
2019 American Heart Association Scientific Sessions, Philadelphia, PA
2019 *Keynote, ISSCR International Symposium, Seoul, South Korea
2019 Tsinghua University, Beijing, China
2019 Massachusetts General Hospital, Cardiovascular Research Center seminar, Boston, MA
2019 Burke Medical Research Institute, White Plains, NY
2019 Nerem Lecture, Regenerative Medicine Workshop, Charleston, SC
2018 American Heart Association Scientific Sessions, Chicago, IL
2018 European Society of Gene and Cell Therapy, Lausanne, Switzerland
2018 LakePharma Symposium, South San Francisco, CA
2018 *Presidential Symposium, International Society for Experimental Hematology
2018 ISSCR Annual Meeting, Melbourne, Australia
2018 *Keynote, New York University Stem Cell Biology Retreat, New York, NY
2018 Don Fyler Lecture, Children’s Hospital and Harvard Medical School, Boston, MA
2018 Keystone Symposium on iPSCs: A Decade of Progress and Beyond, Olympic Valley, CA
2018 Genentech, Inc., South San Francisco, CA
2018 MyoKardia, South San Francisco, CA
2017 American Heart Association Scientific Sessions, Anaheim, CA
2017 CiRA International Symposium: A decade of human iPSCs, Kyoto, Japan
2017 The Notch Meeting X, Athens, Greece
2017 Aegean Conferences 2nd International Stem Cell Meeting, Rhodes, Greece
2017 *Keynote, 7th NHLBI Symposium on Cardiovascular Regenerative Medicine, Bethesda, MD
2017 Houston Methodist DeBakey Heart & Vascular Center, Grand Rounds, Houston, TX
2017 Duke-NUS Medical School, Singapore
2017 American Heart Association Basic Cardiovascular Sciences, Portland, OR
2017 International Society for Stem Cell Research Annual Meeting, Boston, MA
2017 UCSF/UCB/UCSC Stem Cell Retreat, Pacific Grove, CA
2017 Keystone Symposium on Molecular Mechanisms of Heart Development, Keystone, CO

2017 Newborn Medicine Grand Rounds, Boston Children's Hospital, Boston, MA
 2017 Institute for Regenerative Medicine, University of Pennsylvania, Philadelphia, PA
 2017 Congenital Cardiac Anesthesia Society Annual Meeting, Austin, TX
 2017 University of Texas Health Science Center, Houston, TX
 2017 Victor Chang Cardiac Research Institute, Sydney, Australia
 2017 Stem Cells Australia, Melbourne, Australia
 2017 Keystone Symposium on Transcriptional and Epigenetic Control in Stem Cells, Olympic Valley, CA
 2016 American Heart Association Scientific Sessions, New Orleans, LA
 2016 National Academy of Medicine regenerative medicine workshop, Washington, DC
 2016 International Academy of Cardiovascular Sciences, Marseille, France
 2016 Icahn School of Medicine at Mount Sinai, Cardiovascular Research Center, New York, NY
 2016 Science on the Swan Conference, Perth, Australia
 2016 Sarnoff Cardiovascular Research Foundation Annual Scientific Meeting, Cambridge, MA
 2016 Batsheva de Rothschild Seminar on Skeletal and Cardiac Myogenesis, Rehovot, Israel
 2016 The Company of Biologists workshop on "Transdifferentiation and Tissue Plasticity in Cardiovascular Rejuvenation," West Sussex, UK
 2015 UCLA Pediatrics Grand Rounds, Los Angeles, CA
 2015 NHLBI Symposium on Cardiovascular Regenerative Medicine, Bethesda, MD
 2015 American Heart Association Visiting Professor Award, Columbia University College of Physicians and Surgeons, New York, NY
 2015 International Society for Stem Cell Research Annual Meeting, Stockholm, Sweden
 2015 Biomedical Research Foundation, Academy of Athens, Athens, Greece
 2015 Tri-Institutional Stem Cell Retreat, Santa Barbara, CA
 2015 *Keynote, Cardiovascular Research Institute Symposium, Baylor College of Medicine, Houston, TX
 2015 Keystone Symposium on Heart Disease and Regeneration, Copper Mountain, CO
 2015 University of Colorado, Boulder, CO
 2015 18th Annual Update on Pediatric and Congenital Cardiovascular Disease, Scottsdale, AZ
 2015 UCLA Broad Stem Cell Institute, Los Angeles, CA
 2015 Arthur G. Weinberg Lecture in Pediatric and Developmental Pathology, University of Texas Southwestern Medical Center, Dallas, TX
 2015 18th Takeda Science Foundation Symposium on Bioscience, Osaka, Japan
 2014 American Heart Association Scientific Sessions, Chicago, IL
 2014 *Keynote, UCSF Developmental and Stem Cell Biology Retreat, Tomales, CA
 2014 4th International Symposium on Thymosins in Health and Disease, Rome, Italy
 2014 Baker Institute for Public Policy, Rice University, Houston, TX
 2014 University of Texas Medical Branch, Galveston, TX
 2014 Yale Stem Cell Center, New Haven, CT
 2014 St. Geme Lectureship, Children's Hospital Colorado, Denver, CO
 2014 *Keynote, Santa Cruz Developmental Biology Annual Meeting, Santa Cruz, CA
 2014 Keystone Symposium on Stem Cells and Reprogramming, Olympic Valley, CA
 2014 Massachusetts Institute of Technology, Cambridge, MA
 2014 *Keynote, International Conference on Stem Cell Engineering, Coronado, CA
 2014 Gordon Research Conference on Reprogramming Cell Fate, Galveston TX
 2014 University of North Carolina, Chapel Hill, NC
 2014 Duke University School of Medicine, Durham, NC
 2014 Indian Science Congress, Jammu, India
 2014 Keystone Symposium on Growth and Wasting in Heart and Skeletal Muscle, Santa Fe, NM
 2013 Cell Symposium, Using Stem Cells to Model and Treat Human Disease, Los Angeles, CA
 2013 Controversies in Cardiology, Beverly Hills, CA
 2013 American Heart Association Scientific Sessions, Dallas TX
 2013 *Keynote, Tissue Engineering & Regenerative Medicine International Society, Atlanta, GA
 2013 North American Vascular Biology Organization, Hyannis, MA
 2013 *Keynote, Advances in Pediatric Cardiovascular Disease Management, Los Angeles, CA
 2013 NHLBI Symposium on Cardiovascular Regenerative Medicine, Bethesda, MD
 2013 *Keynote, Takao International Symposium on Etiology and Morphogenesis of Congenital Heart Disease, Tokyo, Japan

2013	International Society for Heart Research, San Diego, CA
2013	*Keynote, Harvard Stem Cell Institute retreat, Cambridge, MA
2013	American Society for Clinical Investigation, Chicago, IL
2013	MSTP Distinguished Lecture, University of Virginia, Charlottesville, VA
2013	Keystone Symposium on Cardiac Remodeling and Heart Function, Snowbird, UT
2013	CiRA International Symposium, Kyoto, Japan
2013	Keystone Symposium, Stem Cells in Homeostasis and Disease, Banff, Alberta, Canada
2012	George E. Brown Memorial Lecture, American Heart Association, Los Angeles, CA
2012	Dan G. McNamara Lecture, Texas Children's Hospital, Houston, TX
2012	*Keynote, Davis Heart & Lung Research Institute, Ohio State University, Columbus, OH
2012	*Keynote, University of Wisconsin Stem Cell Retreat, Madison, WI
2012	*Keynote, European Society of Cardiology, Imperial College, London, UK
2012	*Keynote, 3 rd International Symposium on Thymosins, Washington, DC
2010	*Keynote, University of Iowa Carver College of Medicine, Iowa City, IA
2010	*Keynote, Japanese Circulation Society, Kyoto, Japan

Research Support

Active

National Institutes of Health	R01 HL150100	2020–2024	\$359,325/yr
National Institutes of Health	R01 HL57181	1997–2023	\$350,614/yr
National Institutes of Health	P01 HL146366	2019–2024	\$328,945/yr
National Institutes of Health	R01 HL17240	2015–2023	\$167,616/yr

Trainees

Post-Doctoral Fellows

Michael Alexanian, Ph.D.
 Barbara Gonzalez Teran, Ph.D.
 Kihyun Lee, Ph.D.
 Bonnie E.J. Maven, Ph.D.
 Tomohiro Nishino, M.D., Ph.D.
 Arun Padmanabhan, M.D., Ph.D.
 Sanjeev Ranade, Ph.D.
 Benjamin van Soldt, Ph.D.
 Lana Zholudeva, Ph.D..

Ph.D. Candidates

Alex Merriman, B.S.

Former Trainees

Post-doctoral fellows:

Yen-Sin Ang, Ph.D., Scientist, Amgen
 Ildiko Bock-Marquette, M.D., Associate Professor, Department of Cardiothoracic Surgery,
 University of Pecs, Hungary
 Yen Bui, M.D., Ph.D., Pediatric Cardiologist, Kaiser Permanente
 Cemre Celen, Ph.D., Principal Scientific Researcher, Genentech
 Kimberly Cordes Metzler, Ph.D., Senior Scientific Program Manager, Allen Institute
 Aryé Elfenbein, M.D., Ph.D., Co-founder, Wild Type
 Jason Fish, Ph.D., Associate Professor, Toronto General Research Institute, Toronto, Canada
 Ji-Dong Fu, M.D., Ph.D., Associate Professor, Ohio State University

Vidu Garg, M.D., Professor and Director of Cardiovascular Research, Nationwide Children's Hospital, Columbus, OH
Casey Gifford, Ph.D., Assistant Professor, Stanford University
David Hassel, Ph.D., Medical Science Liaison Manager, Bayer
Julie He, M.D., Ph.D., Clinical Assistant Professor, University of Washington
Angela Hu, Ph.D., Senior Research Scientist, Eli Lilly Pharmaceuticals
Masaki Ieda, M.D., Ph.D., Professor and Chair, University of Tsukuba, Japan
Kathryn Ivey, Ph.D., VP of Gene Therapy Research, Tenaya Therapeutics
Isabelle King, M.D., Medical Director of Palliative Care, Marin General Hospital
Chulan Kwon, Ph.D., Associate Professor, Johns Hopkins University
Jun Maeda, M.D., Ph.D., Assistant Professor of Pediatrics, Keio University, Tokyo, Japan
Tamer Mohamed, Ph.D., Assistant Professor of Medicine, Louisville, KY
Osamu Nakagawa, M.D., Ph.D., Professor, Nara Medical University, Nara, Japan
Aruna Natarajan, M.D., Ph.D., Medical Officer, Division of Lung Diseases, NHLBI
Vishal Nigam, M.D., Associate Professor, Seattle Children's Research Institute
Chong Yon Park, Ph.D., Staff Scientist, Stanford University
Li Qian, Ph.D., Associate Professor, University of North Carolina, Chapel Hill
Eva Samal, Ph.D., Adjunct Faculty, University of South Florida
Joseph Shieh, M.D., Ph.D., Associate Professor, Department of Medical Genetics, UCSF
Takatoshi Tsuchihashi, M.D., Chief, Dept. of Pediatrics, Kawasaki Municipal Hospital, Japan
Linda van Laake, M.D., Ph.D., Assistant Professor, University Medical Center, Utrecht, Netherlands
Vasanth Vedantham, M.D., Ph.D., Associate Professor, University of California, San Francisco
Hiroyuki Yamagishi, M.D., Ph.D., Professor and Chief, Pediatric Cardiology, Keio U, Tokyo
Chihiro Yamagishi, M.D., Assistant Director, Pediatric Clinic, Keio University, Tokyo, Japan
Pengzhi Yu, Ph.D., Scientist, Wild Type
Yu Zhang, M.D., Ph.D., Assistant Professor, University of Massachusetts, Worcester
Yong Zhao, M.D., Ph.D., Professor, Fuwai Central China Cardiovascular Hospital

Graduated pre-doctoral students:

Aparna Aiyer, Ph.D., Senior Director, Franchise Development, Foundation Medicine
Emily Berry, Ph.D., Legislative Aide, California State Assembly
Kimberly Cordes Metzler, Ph.D., Scientist and Project Manager, Allen Institute
Paul Cheng, M.D., Ph.D., Instructor, Stanford University School of Medicine
Yvanka de Soysa, Ph.D., Postdoctoral Fellow, Broad Institute
Garrett Gotway, M.D., Ph.D., Associate Professor of Pediatrics, UTSW
Amy Heidersbach, Ph.D., Senior Scientific Researcher, Genentech
Kathryn Ivey, Ph.D., Senior Director, Gene Therapy Biology, Tenaya Therapeutics
Irfan Kathiriya, M.D., Ph.D., Associate Professor, Department of Anesthesia, UCSF
Bonnie E.J. Maven, Ph.D., Postdoctoral Scholar, Gladstone Institutes
Sarah Morton, M.D., Ph.D., Assistant Professor, Pediatrics, Boston Children's Hospital
Stephanie Pierce, Ph.D., Adjunct Faculty in Biology, Texas Woman's University
Joshua Ransom, Ph.D., VP of Products and Customer Experience, BEKHealth
Renee Rivas, M.D., Ph.D., Fellow, Reproductive Endocrinology, University of California, San Diego
Ankur Saxena, Ph.D., Assistant Professor, University of Illinois, Chicago
Neil Sheehy, Ph.D., Senior Product Marketing Manager, Guardant Health
Nicole Stone, Ph.D., Scientist, Janssen
Christina Theodoris, M.D., Ph.D., Clinical Fellow, Boston Children's Hospital
Mark White, Ph.D., Associate Director, Biopharma Product Marketing, Bio-Rad
Sangho Yu, Ph.D., Assistant Professor, Pennington Biomedical Research Center, Baton Rouge

Bibliography

1. Singh SV, Srivastava D, Haque AK, Awasthi YC. (1985) Glutathione S-transferases of human heart. *IRCS Med. Sci.* 13:973–974. PMID:
2. Thompson EB, Srivastava D, Johnson BH. (1989) Interactions of the phenylpyrazolo steroid cortivazol with glucocorticoid receptors in steroid-sensitive and -resistant human leukemic cells. *Cancer Res.* 49:2253s–2258s. PMID: 2702665
3. Srivastava D, Thompson EB. (1990) Two glucocorticoid binding sites on the human glucocorticoid receptor. *Endocrinology* 127:1770–1778. PMID: 2205477
4. Srivastava D, Cserjesi P, Olson EN. (1995) A subclass of bHLH proteins required for cardiac morphogenesis. *Science* 270:1995–1999. PMID: 8533092
5. Srivastava D, Preminger T, Lock JE, Mandell V, Keane JF, Mayer JE, Jr., Kozakewich H, Spevak PJ. (1995) Hepatic venous blood and the development of pulmonary arteriovenous malformations in congenital heart disease. *Circulation* 92:1217–1222. PMID: 7648668
6. Olson EN, Srivastava D. (1996) Molecular pathways controlling heart development. *Science* 272:671–676. PMID: 8614825
7. Srivastava D, Olson EN. (1996) Neurotrophin-3 knocks heart off Trk. *Nat. Med.* 2:1069–1071. PMID: 8837596
8. Lin Q, Srivastava D, Olson E. (1997) A transcriptional pathway for cardiac development. *Cold Spring Harb. Symp. Quant. Biol.* 62:405–411. PMID: 9598375
9. Srivastava D. (1997) Left, right ... which way to turn? *Nat. Genet.* 17:252–254. PMID: 9354777
10. Srivastava D. in *Genetic Control of Heart Development* (eds Harvey RP, Olson EN, Schulz RA, & Altman JS) (HFSP, 1997).
11. Srivastava D, Olson EN. (1997) Knowing in your heart what's right. *Trends Cell Biol.* 7:447–453. PMID:
12. Srivastava D, Thomas T, Lin Q, Kirby ML, Brown D, Olson EN. (1997) Regulation of cardiac mesodermal and neural crest development by the bHLH transcription factor, dHAND. *Nat. Genet.* 16:154–160. PMID: 9171826
13. Firulli AB, McFadden DG, Lin Q, Srivastava D, Olson EN. (1998) Heart and extra-embryonic mesodermal defects in mouse embryos lacking the bHLH transcription factor Hand1. *Nat. Genet.* 18:266–270. PMID: 9500550
14. Thomas T, Kurihara H, Yamagishi H, Kurihara Y, Yazaki Y, Olson EN, Srivastava D. (1998) A signaling cascade involving endothelin-1, dHAND and msx1 regulates development of neural-crest-derived branchial arch mesenchyme. *Development* 125:3005–3014. PMID: 9671575
15. Thomas T, Yamagishi H, Overbeek PA, Olson EN, Srivastava D. (1998) The bHLH factors, dHAND and eHAND, specify pulmonary and systemic cardiac ventricles independent of left-right sidedness. *Dev. Biol.* 196:228–236. PMID: 9576835
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