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*Assistant Professor of Medicine*  
*Department of Medicine*  
*The University of Texas Health Sciences Center at Houston*  
*Interventional Cardiologist, Memorial Hermann Heart & Vascular Institute*

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**PROFESSIONAL ADDRESS**

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**EDUCATION**

1998 – 2002      **B.S. Stanford University, Stanford, CA**  
Biological Sciences (Honors with Distinction)

2002 - 2006      **M.D. The Johns Hopkins University School of Medicine, Baltimore, MD**

2006 – 2009      **Ph.D. The Johns Hopkins University School of Medicine, Baltimore, MD**

**POST GRADUATE TRAINING**

2009 - 2012      **The Johns Hopkins Hospital, Baltimore, MD**  
Intern & Resident in Medicine, Osler Medical Service

2012 - 2014      **Hospital of the University of Pennsylvania, Philadelphia, PA**  
Clinical Fellow in Cardiovascular Medicine

2014 - 2016      **Hospital of the University of Pennsylvania, Philadelphia, PA**  
Fellow in Interventional Cardiology & Structural Heart Disease  
Advisor (s): Howard Herrmann, M.D

**LICENSURE**

2012	State of Pennsylvania (MD 444711)	Active, Exp 12/31/2016
2015	State of Texas (Q7811)	Active, Exp 04/21/2017

**BOARD CERTIFICATIONS**

2012	The American Board of Internal Medicine <b>Internal Medicine</b>
2014	The National Board of Echocardiography <b>Adult Comprehensive Echocardiography</b>
2015	The American Board of Medical Specialties <b>Cardiovascular Diseases</b>
	The American Board of Medical Specialties <b>Interventional Cardiology</b>

**CLINICAL SKILLS****Level III Coronary Angiography and Interventions:**

Projected through 6/2016: More than 2,000 diagnostic catheterizations and more than 350 coronary interventions as primary operator. Experience in bifurcation stenting, left main coronary artery intervention, saphenous vein graft intervention with embolic protection, radial access and intervention, intravascular ultrasound, optical coherence tomography, fractional flow reserve, rotational atherectomy, thrombectomy, Impella support, Extracorporeal Membrane Oxygenation (ECMO), intra-aortic balloon pump, pericardiocentesis, endomyocardial biopsy, transvenous pacemaker, and closure devices (Angioseal, Mynx, Exoseal, Starclose and Perclose).

**Structural Heart Interventions:**

Projected through 6/2016: More than 150-200 transcatheter aortic valve replacements (Edwards XT, S3, Medtronic CoreValve, Evolut-R, Boston Scientific Lotus and St Judes' Portico) as primary operator. Participation in COAPT, SENTINEL, REPRISE, PARACHUTE clinical trials this year. More than 50 balloon aortic valvuloplasties as primary operator. Extensive experience in patent foramen ovale and atrial septal defect closure (Gore Helex and Amplatzer), mitral valvuloplasty, and percutaneous mitral valve repair with MitraClip (Greater than 20 mitraclips projected). Also extensive experience in alcohol septal ablation, transseptal puncture and paravalvular leak closure (aortic and mitral). More than 30 transesophageal (3D) and intra-cardiac echocardiography-guided interventions.

**Peripheral Vascular Angiography and Interventions:**

Projected through 6/2016: Greater than 300 peripheral angiograms and more than 50 lower extremity arterial interventions, atherectomy (exposure to Pathway, Diamondback, AngioJet, and Turbo Elite Laser), renal artery interventions, renal artery denervation (SIMPLICITY, ReCor, SPYRAL), subclavian artery interventions, inferior vena cava filter placements and retrievals, and deep venous thrombectomy with Angiovac.

**Level II/Board Certified in Echocardiography:**

Extensive experience in transthoracic, transesophageal echocardiography, 3D TEE, intravascular and intracardiac ultrasound, have performed more than 150 transesophageal echocardiography studies, >450 transthoracic echocardiography studies, and more than 50 ICE assisted procedures.

**Level II in Nuclear Cardiology:**

Experience in the supervision, performance and interpretation of SPECT-MPI (Thalium, Technicium) and Rubidium PET studies. More than 400 studies supervised and interpreted.

**EXTRAMURAL RESEARCH FELLOWSHIPS**

- 1999 – 2000 Prince Henry Institute of Research, Monash University, Australia  
**Research Fellow, Cell Biology**
- 2001 – 2002 Center for Molecular & Genetic Medicine, Stanford University, CA  
**Howard Hughes Medical Institute (HHMI) Research Fellow**
- 2008 - 2009 The Johns Hopkins University School of Medicine, Baltimore, MD  
**Postdoctoral Research Fellow, Neurosciences**

**PROFESSIONAL APPOINTMENTS**

- 2009 – 2012 The Johns Hopkins University School of Medicine, Baltimore, MD  
**Instructor in Medicine**
- 2013 – 2016 The Philadelphia VA Medical Center, Philadelphia, PA  
**Attending Physician, Cardiac Intensivist, *Cardiac Intensive Care Unit***

**AWARDS AND HONORS**

- 2017 Outstanding Young Professional, Sri Lanka Foundation, Los Angeles, CA
- 2016 Fellow of the American College of Cardiology (FACC)
- 2010 Osler Medicine Teaching Award, Johns Hopkins
- 2009 Martin & Carol Macht Research Prize (Best PhD at Johns Hopkins)
- 2002 The Harry Saltzstein Prize for Medical Writing, Johns Hopkins
- 2002 Merck Medical Scholar (\$500k tuition prize granted by Merck Labs)
- 2001 Firestone Medal for Excellence in Research, Stanford
- 2001 Phi Beta Kappa Undergraduate Honors, Stanford
- 2000 Genentech Scholarship for Achievement in Biological Sciences, Stanford
- 2000 Howard Hughes Medical Institute Research Fellow, Stanford
- 1999 R.H. Anderson Scholarship for Academic Achievement, Stanford
- 1998 Stanford International Merit Scholar (100% Scholarship to Stanford)
- 1997 Ananda Pradeepa Prize (Ananda College, Awarded to Sri Lanka's highest achieving student in at the National University Entrance Examination)

**ACTIVE MEDICAL AND SCIENTIFIC SOCIETIES**

- American College of Physicians (ACP)
- American Physician Scientist Association (APSA), Johns Hopkins Chapter Chairman (2005-2012)
- American College of Cardiology (ACC)
- American Society for Echocardiography (ASE)
- Society for Cardiovascular Angiography and Interventions (SCAI)

**OTHER PROFESSIONAL ACTIVITIES**

2012 – 2015	Medical Consultant, BestDoctors.com, Boston, MA
2012 – 2017	Lead Alumni Interviewer, Stanford University Undergraduate Admissions
1998 – 2002	Editor-in-Chief, The Stanford Biologist

**PROFESSIONAL LECTURES & PRESENTATIONS BY INVITATION**

1. “Bioabsorbable Vascular Scaffolds : The future of Coronary Revascularization?”, Cardiovascular Medicine/Surgery Conference, Hospital of the University of Pennsylvania, Philadelphia, PA. January 28, 2015.
2. “Transcatheter Valve Therapies : Interventional Cardiology in the Cardiac Surgery Space”, Invited Lecture, Cardiology Unit, National Hospital of Sri Lanka, Colombo, Sri Lanka. December 29, 2014.
3. “Prospects for Transcatheter Mitral Valve Replacement in the United States”, Sri Lanka Medical Association of North America Annual Scientific Sessions, Skirball Center, Los Angeles, CA. November 1, 2014.
4. “Anchoring Heuristics : A Case of Mitral Regurgitation Gone Bad”, Cardiology Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA. September 12, 2013.
5. “Rotational Atherectomy and Plaque Modification Devices”, Interventional Cardiology Conference, Pennsylvania Hospital, Philadelphia, PA. February 12, 2013.
6. “A hierarchical model for Nerve Growth Factor (NGF)-dependent skin innervation by sensory neurons” Johns Hopkins Young Investigator Day, The Johns Hopkins University School of Medicine, Baltimore, MD. April 16, 2009
7. “Cutaneous signals directing sensory neuronal growth : How the skin talks to the nerves”, Department of Dermatology Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD. July 9, 2008
8. “An NGF-dependent Signaling Cascade Ret-Dependent Maturation of Non-peptidergic Somatosensory Neurons”, American Physician Scientists’ Association Scientific Sessions, Chicago IL, April 2008.
9. “Signals from the skin that instruct sensory neuronal development”, National MD/PhD Conference, Keystone Resort, Keystone, Colorado. July 10, 2007.
10. “Serum Response Factor Mediates Cutaneous Innervation in Embryonic Development”, Society for Neuroscience Annual Scientific Sessions, San Diego, California, April 10, 2007.
11. “Signaling Interactions in the Pathogenesis of Medulloblastoma”, Stanford University Undergraduate Research Symposium, June 2002.
12. “Sonic Hedgehog Mediates D1 Cyclin through the upregulation of PTC in murine Medulloblastoma”, American Association for Cancer Research (AACR) Annual Sessions, New Orleans, LA, March 2000.

**PEER-REVIEWED PUBLICATIONS**

- 1 Rene G, Jagasia DH, **Wickramasinghe SR**, Herrmann HC, Szeto WY, Anwaruddin S “New Ventricular Septal Defects Following Balloon-Expandable Transcatheter Aortic Valve Replacement” *J. Inv. Cardiol.* 2016. Jul (06):213-217
- 2 **Wickramasinghe SR**, Giri J, Wilensky RF “Raising Lazarus: Reviving Renal Denervation after SIMPLICITY-HTN 3.” *Interventional Cardiology* 2014 Dec;6(6):503-505
- 3 **Wickramasinghe SR**, Patel VV “Local Innervation and Atrial Fibrillation” *Circulation*, 2013 Oct; 128(14): 1566-75
- 4 Guo T, Mandai K, Condie BG, **Wickramasinghe SR**, Capecchi MR, Ginty DD “An evolving NGF-Hoxd1 signaling pathway mediates development of divergent neural circuits in vertebrates” *Nature Neuroscience*, 2011 Jan;14(1):31-6.
- 5 **Wickramasinghe SR**, DeFilippis AP, Lloyd-Jones DM, Blumenthal RS “A Clinical risk assessment model for patient profiling in ischemic cardiovascular disease” *Am. J. Cardiology*, 2009 Apr 15;103(8):1174-1177.
- 6 Newbern J, Li X, **Wickramasinghe SR**, Wu Y, Samuels I, Cherosky N, Karlo JC, O'Loughlin B, Wikenheiser J, Gargasha M, Doughman YQ, Charron J, Ginty DD, Watanabe M, Saitta SC, Snider WD, Landreth GE. “Mouse and human phenotypes indicate a critical conserved role for ERK2 signaling in neural crest development” *Proc Natl Acad Sci U S A.* 2008 Nov 4;105(44):17115-20.
- 7 **Wickramasinghe SR**, Alvania RS, Ramanan N, Mandai K, Wood JN, Ginty DD “Serum Response Factor mediates neurotrophin dependent axon outgrowth in embryonic DRG sensory neurons”. *Neuron* 2008 May 22;58(4):532-45.
- 8 **Luo W\*\***, **Wickramasinghe SR\*\*** (co-first authors), Savitt JM, Griffin JW, Dawson TA, Ginty DD “NGF-dependent expression of Ret is required for maturation and target innervation of embryonic DRG sensory neurons” *Neuron* 2007 Jun 7;54(5):739-54
- 9 Kim PM, Aizawa H, Huang AS, **Wickramasinghe SR**, Kashani AH, Barrow RK, Hukanir RL, Ghosh A, Snyder SH “Serine Racemase: activation by glutamate neurotransmission via glutamate receptor interacting protein and mediation of neuronal migration” *Proc. Natl. Acad. Sci. USA* 2005 102(6):2105-10
- 10 Oliver TG, Grasfeder LL, Carroll AL, Kaiser C, Gillingham CL, Lin SM, **Wickramasinghe SR**, Scott MP, Wechsler-Reya RJ “Transcriptional profiling of the Sonic hedgehog response: A critical role for N-myc in proliferation of neuronal precursors” *Proc. Natl. Acad. Sci. USA* 2003 100(12);7331-6.

**FIRST AUTHOR ABSTRACTS AT SCIENTIFIC MEETINGS**

1. **Wickramasinghe SR**, Alvania RS, Ramanan N, Mandai KM, Wood JN, Ginty DD “Serum Response Factor mediates neurotrophin dependent axon outgrowth in embryonic DRG sensory neurons”, Johns Hopkins Institute of Brain Sciences Symposium of Neural Regeneration and Repair, Baltimore, MD (December 2007)
2. **Wickramasinghe SR**, Alvania RS, Ginty DD “Serum Response Factor mediates neurotrophin dependent axon outgrowth in embryonic DRG sensory neurons” Gordon Research Conference on Neuroscience, Newport, Rhode Island (June 2007)
3. **Wickramasinghe SR**, Luo W, Savitt JS, Griffin JW, Dawson TM, Ginty DD “A Hierarchical NGF-Dependent Signaling cascade controls Ret dependent and Ret independent events during the development of non-peptidergic sensory neurons”, The American Physician Scientists Association Annual Meeting, Chicago, Illinois (April 2007)
4. **Wickramasinghe SR**, DeFillipis A, Lloyd-Jones DA, Blumenthal RS “A Strategy for Risk Assessment of total vascular events in patients based on the Framingham study”, Annual Sessions of the American Society for Preventive Cardiology, Boca Raton, Florida (January 2010)
5. **Wickramasinghe SR**, Wechsler-Reya RJ, Scott MP “Sonic Hedgehog is a proliferative factor for cerebellar granule cell neurons” Keystone Symposium for Science, Taos, New Mexico (June 2000)
6. **Wickramasinghe SR**, Wechsler-Reya RJ, Beier SM, Scott MP “Sonic Hedgehog regulation of D1 cyclins in Medulloblastoma” American Association for Cancer Research (AACR) Annual Sessions, New Orleans, LA (March 2001).
7. **Wickramasinghe SR**, Beier SM, Corcoran RB, Scott MP “basic FGF inhibits Sonic Hedgehog Induced Signaling through a competitive interaction for CREB binding protein”. Stanford University Developmental Biology Research Conference (June 2001)