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Clinical Cardiovascular Electrophysiology & Cardiovascular Genetics Program
Leon H. Charney Division of Cardiology
New York University Langone Medical Center
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New York, NY 10016
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EDUCATION

New York Medical College, MD, Valhalla, NY 2001.

Brown University, Department of Neuroscience, Sc. B. with Honors, Providence, RI 1996.

ACADEMIC APPOINTMENTS

July 2012 – *Present*

Assistant Professor of Medicine, New York University School of Medicine
New York University Langone Medical Center, New York, New York

July 2009 – June 2012

Instructor of Medicine, New York University School of Medicine
New York University Langone Medical Center, New York, New York

July 2007 – June 2009

Fellow & Chief Fellow, Clinical Cardiovascular Electrophysiology
New York University Langone Medical Center, New York, New York

July 2005 – June 2007

Fellow, Cardiovascular Disease
University of California, Irvine, California

July 2001 – June 2005

Resident & Chief Medical Resident, Internal Medicine
Scripps Mercy Hospital & Medical Center, San Diego, California

MEDICAL BOARD CERTIFICATION

Diplomat, Clinical Cardiovascular Electrophysiology, American Board of Internal Medicine, 2013.

Diplomat, Cardiovascular Disease, American Board of Internal Medicine, 2008.

Licensed Physician & Surgeon in the State of New York, 2007. [#244526]

Fluoroscopy Licensure in the State of California, 2005.

Diplomat, Internal Medicine, American Board of Internal Medicine, 2004.

Licensed Physician & Surgeon in the State of California, 2002. [#A81705]

DEA Licensure, 2002. [#BF8667656]

Diplomat, National Board of Medical Examiners, 2001.

PROFESSIONAL ACTIVITIES



Postdoctoral Research: Molecular Cardiology & Cardiovascular Genetics – Fondazione Salvatore Maugeri, Pavia, Italy
Heart Rhythm Society, Member.
New York Electrophysiology Society, Member.
American College of Cardiology, Member.
American Heart Association, CarFel Founding Member.
AHA Young Professionals Research & Technology Evening, NY Chapter, Speaker.
Scientific Paper Peer-Reviewer: *Circulation*, *Circulation EP*, *Journal of Cardiac Electrophysiology*, *EuroPace*, *European Heart Journal*, *Clinical Correlations Journal*
Consultant: St. Jude Medical, Medtronic, Biotronik
Regular Radio Guest, Doctor Radio
Founding member: Rhythm Research LLC.

AWARDS

New York Super Doctors: Rising Stars, *New York Times Magazine*, 2014.
New York Super Doctors: Rising Stars, *New York Times Magazine*, 2013.
Top 10 Doctors, *Cardiology*: Murray Hill, NYC, 2012-2014.
Patient's Choice Award, *Vitals*, 2010-2014.
Compassionate Doctor Recognition, 2010-2012.
Japanese Circulation Society Travel Award, 2006.
Jack Geller Research Award, Outstanding Original Investigation, 2004.
Jack Geller Research Award, Outstanding Case Presentation, 2003.
Jack Geller Research Award, Outstanding Original Investigation, 2002.
Departmental Honors, Neuroscience, Brown University, 1996.

PUBLICATIONS

Sturm, Kline, Polina, Glynn, Kilic, Higgins, Janssen, Weiss, Raman, Fowler SJ, Priori, Hund, Carnes, Mohler. "Novel Molecular Mechanism and Therapy for Congenital Idiopathic Ventricular Fibrillation" – *submitted 7/2014*

Alper K, Bai R, Liu N, Fowler SJ, and Priori SG. "hERG Blockade by Iboga alkaloids ibogaine, noribogaine, vocangine and 18-methoxycoronaridine." – *submitted 4/2014*

Aizer A, Holmes D, Fowler SJ, Chintz L. "A narrow complex tachycardia – what is the mechanism?" - *Heart Rhythm*, 2012.

Bernstein SA, Wong B, Vasquez C, Rosenberg SP, Rooke R, Kuznekoff LM, Lader JM, Mahoney VM, Budylin T, Älvstrand M, Rakowski-Anderson T, Bharmi R, Shah R, Fowler S, Holmes D, Farazi TG, Chinitz LA, Morley GE. "Spinal cord stimulation protects against atrial fibrillation induced by tachypacing." *Heart Rhythm*. 2012.

Holmes D, Fish J, Byrd I, Fowler SJ, Dando BS, Cao H, Jensen J, Puryear HA, Chintz L. "Contact Sensing Provides a Highly Accurate Means to Titrate Radiofrequency Ablation Lesion Depth" - *Jour Cardiovasc Electrophysiology*. 2011.

Fowler SJ and Bloise R. "Genetic testing for Cardiac Arrhythmias: Ready for Prime Time?" - *Cardiac Electrophys Clinics*, 2010.

Fowler SJ, Yaghoubian S, Cummings S, Bloise R, Monteforte N, Cerrone M, Napolitano C, Priori SG. "Brugada Syndrome in Children" – *submitted*, 2010.

Fowler SJ, Napolitano C, Priori SG. "When is Genotyping Useful in Patients Suspected to Have Inherited Cardiac Arrhythmias?" – *Curr Opin Cardio*. 2009

Fowler SJ, Cerrone M, Priori SG. "Genotyping Update: 2009." – *Helen Journ Cardio*. 2009

Fowler SJ, Napolitano C, Priori SG. "The Genetics of Cardiomyopathy: Genotyping & Genetic Counseling." – *Curr Treat Options Cardiovasc Med*. 2009

Fowler SJ, Priori SG. "The Clinical Spectrum of Patients with a Brugada ECG." – *Curr Opin Cardio*. 2009

Suh W, Fowler SJ, Yeh T, Krishnan S. "Successful Catheter Ablation of Focal Ventricular Fibrillation Originating from the Right Ventricle." – *Journ Intervent Cardiac Electrophys* 2009.

Suh W, Fowler SJ, Ahsan C. "Utility of Cardiac MRI in the Management of Revascularization." – *CRM* 2007.



Fowler SJ, Nguyen T, Kern M. "Trapping of a Vascular Closure Device in a Previously Accessed Femoral Puncture Site." – *CCI* 2007

Matsumoto Y, Fowler SJ, Krishnan S, Saremi F, Kondo T, Narula J, Gurudevan S. "The Detection of Phrenic Nerves in Relation to Cardiac Anatomy by 64-Slice Multi-Detector Computed Tomography." – *Am J Cardiol.* 2007; July.

Fowler SJ, Narula J, Gurudevan S. "Review of Non-Invasive Imaging For Hypertrophic Cardiac Syndromes and Restrictive Physiology" *Heart Failure Clinics* 2006; April: 215-230.

Kimura BJ, Fowler SJ, Fergus TS, Minuto JJ, DeMaria AN. "Left atrial enlargement as a marker for cardiac disease: Teaching one simple measure for point-of-care ultrasound screening." *Am J Med.* 2005; 118: 912-916.

Kimura BJ, Fowler SJ, Nguyen DT, Amundson SA, DeMaria AN. "Detection of left atrial enlargement using hand-carried ultrasound devices to screen for cardiac abnormalities" *Am J Cardiol.* 2003 Jul 15; 92(2): 239-40.

Book Chapters/Cases:

Fowler SJ, Chinitz LA, Priori SG. "Mapping of Inherited Arrhythmia: Long QT, CPVT, & IVT" - Electroanatomic Mapping, 3rd Edition. 2011.

Cerrone M, Fowler SJ, Priori SG. "Genetic Diseases: Catecholaminergic Ventricular Tachycardia" – Electrophysiologic Disorders of the Heart, 2nd Edition. 2009.

Fowler SJ, Priori SG. "The Long QT Syndrome: Type 1 ECG" – The Atlas of Advanced ECG Interpretation. Baranchuck ed. Remedica 2009.

Abstracts:

Ashish Shukla, MD, Anthony Aizer, MD, Steven Fowler, MD, Douglas Holmes, MD, Neil Bernstein, MD, Scott Bernstein, MD, David Park, MD, Mark Mascarenhas, MD and Larry Chinitz, MD. "Effect of obstructive sleep apnea treatment on atrial fibrillation recurrence: a meta-analysis." – submitted HRS 2014

Anthony Aizer, Ashish Shukla, Steven Fowler, Douglas Holmes, Kartikya Ahuja, Neil Bernstein, Scott Bernstein, David Park, Mark Mascarenhas, Larry Chinitz "Use of intravenous epinephrine or phenylephrine as alternative agents for induction of premature ventricular contractions of right ventricular outflow tract origin." – submitted HRS 2014

Shukla A, Fowler S, O'Neill D. "Anesthesia guided modulation of autonomic tone and its role in induction of premature ventricular contractions of right ventricular outflow tract origin." – submitted IARS 2013

Fowler SJ, Bloise R, Monteforte N, Cerrone M, Napolitano C, Priori SG. "Brugada Syndrome in Children." – *Heart Rhythm* 2009

Patel AB, Aizer A, Holmes D, Bernstein N, Bernstein S, Fowler SJ, Chinitz L. "Right Atrial Conduction is a Determinant of P-wave Morphology in Atrial Tachycardias After Atrial Fibrillation Ablation." – *Heart Rhythm* 2008

Whang Z, Li P, Fowler SJ, Krishnan S, Narula J, Vannan M. "Automatic Endocardium Recognition and Tracking System in Left Ventricular Ejection Fraction Quantification: Evaluation Study with MRI and BiPlane Simpson Method." – *Circulation* 2006

Fowler SJ, Saito Y, Raney A, Chi D, Bello D, Pappone C. "Utility of Ultrasound Balloon Ablation Catheter for Pulmonary Vein Isolation" *Circ Journal* 2006

Vannan MA, Fowler SJ, Li P, Narula JN. "Subendocardial and Subepicardial Twist and Untwist Dynamics Contribute to Ventricular Filling: Implications for Heart Failure with Normal Ejection Fraction." – *submitted ACC 2006.*

Kimura BJ, Fowler SJ, Fergus TS, Minuto JJ, DeMaria AN. "Left atrial enlargement as a marker for cardiac disease: Teaching one simple measure for point-of-care ultrasound screening." *JACC* 2004

Kimura BJ, Fowler SJ, Nguyen DT, Amundson SA, DeMaria AN.

"Briefly trained physicians can screen for early atherosclerosis at the bedside using hand-carried carotid ultrasonography" *JACC* 2003

Oral Presentations:

NYU Cardiovascular Genetics Program Patient Advocacy Day 2013

Heart Rhythm Society: 34th Annual Scientific Session "Brugada Syndrome." 2013

NYU Advanced Concepts in Electrophysiology Session 2013

NYU Cardiovascular Genetics Program Patient Advocacy Day 2012

Merck Heart & Vascular Symposium, Sacramento, CA 2012 "Appropriate Use of Genotyping"



NYU Advanced Concepts in Electrophysiology Session 2012
Heart Rhythm Society: 32nd Annual Scientific Session "Brugada Syndrome." 2011
NYU Advanced Concepts in Electrophysiology Session 2011
NYU Cardiovascular Genetics Program Patient Advocacy Day 2011
Heart Rhythm Society: 31st Annual Scientific Session "Genotyping Inherited Arrhythmia." 2010
NYU Cardiovascular Genetics Program Patient Advocacy Day 2010
Heart Rhythm Society: 30th Annual Scientific Session "Brugada Syndrome in Children." 2009
NYU Cardiovascular Genetics Program Patient Advocacy Day 2009
Japanese Circulation Society: 70th Annual Scientific Session
"Utility of Ultrasound Balloon Ablation Catheter for Pulmonary Vein Isolation." 2006
American College of Cardiology: 52nd Annual Scientific Sessions
"Briefly trained physicians can screen for early atherosclerosis at the bedside using hand-carried carotid ultrasonography."
2003

Poster Presentations:

Heart Rhythm Society: 34th Annual Scientific Session
Luis I. Garcia, MD, Kartikya Ahuja, MD, Mark A. Mascarenhas, MD, Anthony Aizer, MD, Neil Bernstein, MD, Scott A. Bernstein, MD, Steven J. Fowler, MD, Douglas S. Holmes, MD, David S. Park, MD and Larry Chinitz, MD.
"The Safety of Dabigatran Versus Warfarin in Patients Undergoing Atrial Fibrillation Ablation" 2013
NYU Sackler Research Day
"Brugada Syndrome in Children." 2009
Heart Rhythm Society: 29th Annual Scientific Sessions
"Right Atrial Conduction is a Determinant of P-wave Morphology in Atrial Tachycardias After Atrial Fibrillation Ablation."
2008
American Heart Association: Annual Scientific Sessions
"Automatic Endocardium Recognition and Tracking System in Left Ventricular Ejection Fraction Quantification: Evaluation Study with MRI and BiPlane Simpson Method." 2006.
ACP Southern California Region III Scientific Sessions
"Comparison of Oral N-acetylcysteine Versus Intravenous sodium bicarbonate in Contrast-induced nephropathy Treatment [CONVICT Trial]." 2005
American College of Cardiology: 53rd Annual Scientific Sessions
"Left atrial enlargement as a marker for cardiac disease: Teaching one simple measure for point-of-care ultrasound screening." 2004

Steven J Fowler, MD

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