

## CURRICULUM VITAE

### I. Sunny Po, MD, PhD

e-mail: [sunny-po@ouhsc.edu](mailto:sunny-po@ouhsc.edu)

Tel: 405-271-9696

Fax: 405-271-7455

### II. EDUCATION

Electrophysiology

Fellowship

John Hopkins Medical Institution  
Baltimore, MD

1999-2000

Cardiology Fellow

John Hopkins Medical Institution  
Baltimore, MD

1996-1998

Residency/

Internal Medicine

Vanderbilt University  
Nashville, TN

1993-1996

PhD/

Pharmacology

Vanderbilt University  
Nashville, TN

1989-1993

Resident/

Internal Medicine

Veterans General Hospital  
Taipei, Taiwan

1986-1989

MD

National Taiwan University  
College of Medicine, MD  
Taipei, Taiwan

1979-1986

### III. PROFESSIONAL EXPERIENCE

Warren M. Jackman Chair of Clinical Electrophysiology

2013-present

Professor of Medicine

2008-present

Director, Clinical Electrophysiology, University of  
Oklahoma Health Sciences Center

2008-present

Associate Director of the Heart Rhythm Institute,  
University of Oklahoma Health Sciences Center

2007-2013

Associate Professor of Medicine

2006-2008

Assistant Professor of Medicine

2000-2006

University of Oklahoma HSC  
Oklahoma City, OK

**IV. CERTIFICATION OR BOARD STATUS**

American Board of Internal Medicine	1997-2006
American Board of Internal Medicine – Cardiovascular Disease	2009-2019
American Board of Clinical Cardiac- Electrophysiology	2012-2021

**V. LICENSE**

Oklahoma Medical License	2000-present
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**VI. RESEARCH AND SCHOLARSHIP**  
**Research Grants and Contracts**

Active:

Title: Title: Magnetically Targeted Nonmedicine for Atrial Fibrillation  
Source: American Heart Association  
Principle Investigator, 20%  
Funding: \$70,000 for two years  
Study Period: 7-1-2013 to 6-30-2015

**Pending:**

Title: Magnetically Targeted Nonmedicine for Atrial Fibrillation  
Source: NIH, STTR  
Principle Investigator, 25%  
Funding: \$100,000

**Completed:**

Title: Electromagnetic force and Atrial Fibrillation.  
Source: Heart Rhythm Institute at the University of Oklahoma Health Sciences  
Center  
Principle Investigator  
Funding: \$50,000.  
Study Period: 4-1-2010 to 3-31-2011

Title: Autonomics and Atrial Fibrillation.  
Source: Heart Rhythm Institute at the University of Oklahoma Health Sciences  
Center  
Principle Investigator  
Funding: \$50,000.

Study Period: 7-1-2008 to 6-30-2009

Title: Nanoparticle Based Drug Delivery for the Treatment of Atrial Fibrillation

Source: College of Medicine Alumni Association

Principle Investigator, 25%

Funding: \$30,000

Study Period: 7-1-2008 to 6-30-2009.

Project Title: Determinants of Catheter Ablation Failure

Source: National Institutes of Health, Mentored Career Development Award (K-23).

Principal Investigator, 75%.

Funding: \$130,820 per year for 5 years.

Study Period: January 1, 2003 – April 1, 2008.

Purpose: To investigate the reasons of catheter ablation failure for paroxysmal supraventricular tachycardias, such as AV nodal reentrant tachycardia and accessory pathway-mediated tachycardia.

Project Title: Neural Basis of Cardiac Arrhythmia

Source: American Heart Association, Grant-in-Aid

Principal Investigator, 20%:

Funding: \$65,000 per year for two years

Study Period: January 1, 2006 to December 31, 2007

Purpose: Using different stimulation techniques to investigate the neural basis of several common arrhythmias (atrial fibrillation, idiopathic ventricular tachycardia and inappropriate sinus tachycardia) that are difficult to treat. This study focuses on developing new treatments for these arrhythmias.

Project Title: Optical Mapping of Conduction Obstacle Related Ventricular Tachyarrhythmias

Source: Whitaker Bioengineering Seed Grant, University of Oklahoma. Principal Investigator, 25%.

Funding: \$35,000. October 10, 2001 – March 2003.

Purpose: To investigate the effects of conduction obstacle on the genesis of ventricular tachyarrhythmias.

Project Title: Arrhythmogenesis of Pulmonary Veins

Source: American Heart Association, Grant-in-Aid; Heartland Affiliation.

Principal Investigator, 20%.

Funding: \$65,000 per year for two years.

Study Period: January 2004 – December 20, 2005.

Purpose: To investigate the mechanism(s) underlying rapid pulmonary vein firing which is thought to be the source of paroxysmal atrial fibrillation.

### **Active Clinical Studies:**

ThermoCool SmartTouch Catheter for the Treatment of Symptomatic Paroxysmal Atrial Fibrillation (PAF): Role: PI 8/31/11 – 12/31/14

New approaches for the treatment of supraventricular tachycardias. IRB#11097; Role: PI.

Primary hypertension: a new syndrome. Role: PI.

Localization of the anterograde and retrograde components of the reentrant circuit of AV nodal reentrant tachycardia. IRB#11255; Role: Co-PI.

Ablation of inappropriate sinus tachycardia syndrome by targeting cardiac neural input. IRB#11468; Role: Co-PI.

Mechanisms of Arrhythmias and Long-Term Follow-Up of Patients Undergoing Catheter Ablation. IRB#09343; Role: Co-PI.

NAVI-STAR® THERMO-COOL™ Catheter For Ablation of Atrial Fibrillation IRB#10971, IDE#G030138; Role: Co-PI.

VERITAS: Ventricular Electroanatomical mapping to assess the Risk of life Threatening Arrhythmias IRB#10969; Role: Co-PI.

Early Detection and Treatment of Esophageal Injury After Catheter Ablation for Atrial Fibrillation. IRB#13165; Role: Co-PI.

Focused Circumferential UltraSound for the Treatment of Atrial Fibrillation IRB#12656, IDE#G030184 C7022101. Role: Co-PI.

NaviStar ThermoCool Evaluation of the Catheter with the Stockert 70 Radiofrequency Generator for Endocardial Ablation in Patients with Typical Atrial Flutter, Condition of Approval Study, PMA #P030031, IRB# 12781 C#8077801; Role: Co-PI.

A Prospective, Randomized, Double-Blind, Double-Dummy, Parallel-Group, Multicenter, Event-Driven, Non-Inferiority Study Comparing the Efficacy and Safety of Once-Daily Oral Rivaroxaban (BAY 59-7939) with Adjusted-Dose Oral Warfarin for the Prevention of Stroke and Non-Central Nervous System Embolism in Subjects with Non-Valvular Atrial Fibrillation, Protocol No. 39039039AFL3001, IRB#313240; Role: Co-PI.

A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Trial to Assess the Efficacy and Safety of Omacor for the Prevention of Recurrent, Symptomatic Atrial Fibrillation, Protocol No. OM8Afib, IRB#13125; Role: Co-PI.

NaviStar ThermoCool Catheter for Endocardial RF Ablation in Patients with Ventricular Tachycardia PMA #P040036 Condition of Approval Study: Role: Co-PI.

Pivotal Clinical Study of the CardioFocus Endoscopic Ablation System (CF- -CF-EAS) for the Treatment of Symptomatic Atrial Fibrillation, IRB#13379; Role: Co-PI.

### **Teaching Materials Developed:**

Course Syllabus: "Clinical Electrophysiology and Catheter Ablation of Cardiac Arrhythmias". Sponsored by the Chinese Heart Rhythm Society.

Course Syllabus: "Advanced Course for Radiofrequency Catheter Ablation of Cardiac Arrhythmias". Sponsored by the Cardiac Arrhythmia Research Institute at the University of Oklahoma Health Sciences Center.

## **VII. PUBLICATIONS:**

### **Refereed Journals**

#### **Manuscript in Press**

Yu L, Dyer JW, Scherlag BJ, Stavrakis S, Sha Y, Sheng X, Garabelli P, Jacobson J, **Po SS**. The Use of Low-Level Electromagnetic Fields to Suppress Atrial Fibrillation. *Heart Rhythm*, in press.

Gao M, Zhang L, Scherlag BJ, Huang B, Stavrakis S, Hou YM, Hou Y, **Po SS**. Low-level Vago-sympathetic Trunk Stimulation Inhibits Atrial Fibrillation in a Rabbit Model of Obstructive Sleep Apnea. *Heart Rhythm*, in press.

Stavrakis S, Humphrey MB, Scherlag BJ, Hu Y, Jackman WM, Nakagawa H, Lockwood D, Lazzara R, **Po SS**. Low level transcutaneous electrical vagus nerve stimulation suppresses atrial fibrillation. *J Am College Cardiol*, in press.

#### **Manuscripts in review:**

Fan Y, Scherlag BJ, Liu Y, Cai H, Y K, Hepler E, Sharma T, Male S, Varma V, Fu G, **Po SS**. Experimental Model Demonstrating Potential 'AF Substrates' During Sinus Rhythm: Correlation with Complex Fractionated Atrial Electrograms (CFAE) During Atrial Fibrillation. *J Cardiovasc Electrophysiol*; *in review*.

Dyer J, Li S, Stavrakis S, Scherlag BJ, Yu L, Sheng X, Ghias M, Nakagawa H, **Po SS**. Differentiating Focal from Macro-reentrant Atrial Fibrillation by Electrocardiographic Analysis: Experimental and Clinical Correlates. *J Cardiovasc Electrophysiol*; *in review*.

**Manuscripts Published:**

Jiang RH, **Po SS**, Tung R, Liu Q, Sheng X, Zhang ZW, Sun YX, Yu L, Zhang P, Fu GS, Jiang CY. Incidence of pulmonary vein conduction recovery in patients without clinical recurrence after ablation of paroxysmal atrial fibrillation: mechanistic implications. *Heart Rhythm*. 2014 Jun;11(6):969-76.

Stavrakis S, Jackman WM, Nakagawa H, Sun Y, Xu Q, Beckman KJ, Lockwood D, Scherlag BJ, Lazzara R, **Po SS**. Risk of coronary artery injury with radiofrequency ablation and cryoablation of epicardial posteroseptal accessory pathways within the coronary venous system. *Circ Arrhythm Electrophysiol*. 2014 Feb;7(1):113-9.

Huang B, Yu L, Scherlag BJ, Wang S, He B, Yang K, Liao K, Lu Z, He W, Zhang L, **Po SS**, Jiang H. Left renal nerves stimulation facilitates ischemia-induced ventricular arrhythmia by increasing nerve activity of left stellate ganglion. *J Cardiovasc Electrophysiol*. 2014 Nov;25(11):1249-56.

Pokushalov E, Kozlov B, Romanov A, Strelnikov A, Bayramova S, Sergeevichev D, Bogachev-Prokophiev A, Zheleznev S, Shipulin V, Salakhutdinov N, Lomivorotov VV, Karaskov A, **Po SS**, Steinberg JS. Botulinum toxin injection in epicardial fat pads can prevent recurrences of atrial fibrillation after cardiac surgery: results of a randomized pilot study. *J Am Coll Cardiol*. 2014;12;64(6):628-9.

Katrtsis DG, Pokushalov E, Romanov A, Giazitzoglou E, Siontis GC, **Po SS**, Camm AJ, Ioannidis JP. Autonomic Denervation Added to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: A Randomized Clinical Trial. *J Am Coll Cardiol*. 2013 Aug 8. doi:pii: S0735-1097(13)03089-1. 10.1016/j.jacc.2013.06.053.

Jiang RH, Jiang CY, Sheng X, Zhang ZW, Sun YX, Liu Q, Fu GS, **Po SS**. Marked Suppression of Pulmonary Vein Firing After Circumferential Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation: Is Pulmonary Vein Firing an Epiphenomenon? *J Cardiovasc Electrophysiol*. 2013 Sep 12. doi: 10.1111/jce.12288. [Epub ahead of print]

Hou Y, Hu J, **Po SS**, Wang H, Zhang L, Zhang F, Wang K, Zhou Q. Catheter-based renal sympathetic denervation significantly inhibits atrial fibrillation induced by electrical stimulation of the left stellate ganglion and rapid atrial pacing. *PLoS One*. 2013 Nov 6;8(11):e78218

Lo LW, Scherlag BJ, Chang HY, Lin YJ, Chen SA, **Po SS**. Paradoxical long-term proarrhythmic effects after ablating the "head station" ganglionated plexi of the vagal innervation to the heart. *Heart Rhythm*. 2013 May;10(5):751-7.

Liu Y, Scherlag BJ, Fan Y, Mao J, Hepler E, Varma V, Male S, Xia W, Huang H, **Po SS**. Experimental model of focal atrial tachycardia: clinical correlates. *J Cardiovasc Electrophysiol*. 2013 Aug;24(8):909-13.

Liu Y, Scherlag BJ, Fan Y, Varma V, Male S, Chaudhry MA, Huang C, **Po SS**. Inducibility of atrial fibrillation after GP ablations and "autonomic blockade": evidence for the pathophysiological role of the nonadrenergic and noncholinergic neurotransmitters. *J Cardiovasc Electrophysiol*. 2013 Feb;24(2):188-95

Yu L, Scherlag BJ, Li S, Fan Y, Dyer D, Male S, Varma V, Sha Y, **Po SS**. Low-Level Transcutaneous Electrical Stimulation: A Non-invasive Approach to Treat Atrial Fibrillation. *Heart Rhythm*, 2013, 2013 Mar;10(3):428-35.

Stavrakis, S, Scherlag BJ, Fan Y, Liu Y, Mao J, Varma V, Lazzara R, **Po SS**. Inhibition of atrial fibrillation inducibility by low level vagus nerve stimulation: the role of nitric oxide signaling pathway. *J Intervent Cardiovasc Electrophysiol*.2013;36(3)199-208.

Embi A, Scherlag BJ, Embi PJ, Menes M, **Po SS**. Targeted cellular ionic calcium chelation by oxalates: Implications for the treatment of tumor cells. *Cancer Cell Int*. 2012 Dec 8;12(1):51.

Mao J, Scherlag BJ, Liu Y, Fan Y, Varma V, Stavrakis S, **Po SS**. The atrial neural network as a substrate for atrial fibrillation. *J Interv Card Electrophysiol*. 2012 Oct;35(1):3-9.

Liu Y, Scherlag BJ, Yagi T, Patterson E, Jackman WM, Lazzara R, **Po SS**. Extra- and intracellular recordings from the AV junction: discerning the mechanisms for irregular ventricular responses during supraventricular arrhythmias. *Acta Cardiol*. 2012 Apr;67(2):221-9.

Jiang RH, Jiang CY, Liu Q, **Po SS**. Regional ganglionated plexus ablation eliminated rapid firing in an electrically isolated pulmonary vein. *Pacing Clin Electrophysiol*. 2012 Nov;35(11):e316-9.

Liu Y, Scherlag BJ, Fan Y, Varma V, Male S, Chaudhry MA, Huang C, **Po SS**. Inducibility of Atrial Fibrillation After GP Ablations and "Autonomic Blockade": Evidence for the Pathophysiological Role of the Nonadrenergic and Noncholinergic Neurotransmitters. *J Cardiovasc Electrophysiol*. 2012 Aug 20.

Pokushalov E, Romanov A, Artyomenko S, Shirokova N, Turov A, Karaskov A, Katritsis DG, **Po SS**. Ganglionated plexi ablation directed by high-frequency stimulation and complex fractionated atrial electrograms for paroxysmal atrial fibrillation. *Pacing Clin Electrophysiol*. 2012 Jul;35(7):776-84.

Wayangankar SA, Payne J, **Po SS**, Sivaram CA. Serendipitous Discovery of a Right Coronary Artery to Right Pulmonary Artery Fistula by Transesophageal Echocardiogram. *Echocardiography* 2012;0:E1-E3.

Yu L, Scherlag BJ, Sha Y., Li S., Sharma T, Nakagawa H, Jackman WM, Lazzara R, Jiang H, **Po SS**. Interactions between Atrial Remodeling and Autonomic Remodeling: the make of a vicious cycle. *Heart Rhythm* 2012;9(5):804-9.

Stavrakis, S, Scherlag BJ, Fan Y, Liu Y, Liu Q, Mao J, Cai H, Lazzara R, **Po SS**. Anti-arrhythmic effects of vasostatin-1 in a canine model of atrial fibrillation. *J Cardiovasc Electrophysiol*, 2012;23(7);771-777.

Moers AM, Scherlag BJ, Niu G, Lu Z, Ghias M, Lazzara R, Jackman WM, **Po SS**. Pharmacological prevention and termination of atrial fibrillation. *Europace* 2012;14(3):426-430.

Katritsis D, Giazitzoglou E, Mersinias J, Sougiannis D, Batsikas K, Katritsis G, **Po SS**. Autonomic modulation of complex fractionated atrial electrograms in patients with paroxysmal atrial fibrillation. *J Interv Card Electrophysiol*. 2011 Sep;31(3):217-23. Epub 2011 Mar 19.

Stavrakis S, Madden G, Pokharel D, **Po SS**, Nakagawa H, Jackman WM, Sivaram CA. Transesophageal echocardiographic assessment of pulmonary veins and left atrium in patients undergoing atrial fibrillation ablation. *Echocardiography*. 2011 Aug;28(7):775-81. doi: 10.1111/j.1540-8175.2011.01431.x. Epub 2011 Jul 13.

Jiang RH, Jiang CY, Liu Q, **Po SS**. Regional Ganglionated Plexus Ablation Eliminated Rapid Firing in an Electrically Isolated Pulmonary Vein. *Pacing Clin Electrophysiol*. 2011 Mar 21. doi: 10.1111/j.1540-8159.2011.03074.x. [Epub ahead of print]

Rapid pulmonary vein isolation combined with autonomic ganglia modification: a randomized study. Katritsis DG, Giazitzoglou E, Zografos T, Pokushalov E, **Po SS**, Camm AJ. *Heart Rhythm*. 2011 May;8(5):672-8. Epub 2010 Dec 31.

Estes NA 3rd, Sacco RL, Al-Khatib SM, Ellinor PT, Bezanson J, Alonso A, Antzelevitch C, Brockman RG, Chen PS, Chugh SS, Curtis AB, DiMarco JP, Ellenbogen KA, Epstein AE, Ezekowitz MD, Fayad P, Gage BF, Go AS, Hlatky MA, Hylek EM, Jerosch-Herold M, Konstam MA, Lee R, Packer DL, **Po SS**, Prystowsky EN, Redline S, Rosenberg Y, Van Wagoner DR, Wood KA, Yue L,



Benjamin EJ. American Heart Association atrial fibrillation research summit: a conference report from the American Heart Association. *Circulation*. 2011 Jul 19;124(3):363-72. Epub 2011 Jun 27.

Sha Y, Scherlag BJ, Yu L, Sheng X, Jackman WM, Lazzara R, **Po SS**. Low-Level Right Vagal Stimulation: Anticholinergic and Antiadrenergic Effects. *J Cardiovasc Electrophysiol*. 2011;Oct;22(10):1147-53

Xia S, Scherlag BJ, Yu L, Li S, Ali R, Zhang Y, Fu G, Nakagawa H, Jackman WM, Lazzara R, **Po SS**. Prevention and Reversal of Atrial Fibrillation Inducibility and Autonomic Remodeling by Low Level Vagosympathetic Nerve Stimulation. *J Am Coll Cardiol*. 2011 Feb 1;57(5):563-71.

Distinct restitution properties in vagally mediated atrial fibrillation and six-hour rapid pacing-induced atrial fibrillation. Lu Z, Cui B, He B, Hu X, Wu W, Wu L, Huang C, **Po SS**, Jiang H. *Cardiovasc Res*. 2011 Mar 1;89(4):834-42. Epub 2010 Nov 1.

Yu L, Scherlag BJ, Dormer K, Nguyen K, Pope K, **Po SS**. Autonomic Denervation using Magnetic Nanoparticles. *Circulation*. 2010 Dec 21;122(25):2653-9. Epub 2010 Dec 6

Yu L, Scherlag BJ, Li S, Sheng X, Lu Z, Nakagawa H, Zhang Y, Jackman WM, Lazzara R, Jiang H, **Po SS**. Low Level Vagosympathetic Nerve Stimulation Inhibits Atrial Fibrillation Inducibility: Direct Evidence by Neural Recordings from Intrinsic Cardiac Ganglia. *J Cardiovasc Electrophysiol*. 2010 Oct 13. doi: 10.1111/j.1540-8167.2010.01908.x. [Epub ahead of print]

Lu Z, Scherlag BJ, Niu Guodong, Lin J, Ghias M, Jackman WM, Lazzara R, Jiang H, **Po SS**. Functional Properties of the right pulmonary artery-ganglionated *plexi*: relation to cervical autonomic nerves and superior vena cava. *J Cardiovasc Electrophysiol*, 2010;21:1392.

Lockwood D, Nakagawa H, Peyton MD, Edgerton JR, Scherlag BJ, Sivaram CA, **Po SS**, Beckman KJ, Abedin M, Jackman WM. Linear left atrial lesions in minimally invasive surgical ablation of persistent atrial fibrillation: Techniques for assessing conduction block across surgical lesions. *Heart Rhythm* 2009, 6:12 (supp) S50-63.

Ghias M, Scherlag BJ, Niu Guodong, Lin J, Ghias M, Jackman WM, Lazzara R, Jiang H, **Po SS**. Neural aspect of sleep apnea induced atrial fibrillation. *J Am Coll Cardiol*. 2009 Nov 24;54(22):2075-83.

Li S, Scherlag BJ, Yu L, Sheng X, Zhang Y, Dong Y, Ghias M, **Po SS**. Low Level Vagosympathetic Stimulation: A Paradox and Potential New Modality for the Treatment of Focal Atrial Fibrillation. *Circ Arrhythm Electrophysiol*. 2009 ; 2: 645-651.

Lu Z, Scherlag BJ, Lin J, Niu G, Yu L, Jackman WM, Lazzara R, Jiang H, **Po SS**. Autonomic Mechanism for Initiation of Rapid Firing from Atria and Pulmonary Veins: Evidence by Ablation of Ganglionated Plexi. *Cariovas Res*. 2009;84:245-52.

Niu G, Scherlag BJ, Lu Z, Ghias M, Zhang Y, Patterson E, Dasari T, Zacharias S, Lazzara R, Jackman WM, **Po SS**. An acute experimental model demonstrating two different forms of sustained atrial tachyarrhythmias. *Circ Arrhythm Electrophysiol*. 2009;2:384-392

Katritsis D, Giazitzoglou E, Sougiannis D, Voridis E, **Po SS**. Complex fractionated atrial electrograms at anatomic sites of ganglionated plexi in atrial fibrillation. *Europace* 2009;111;308-315.

Zhang Y, Scherlag BJ, Lu Zhibing, Niu G, Yamanashi WS, Hogan C, Fields J, Lazzara R, Jackman WM, **Po SS**. Comparison of atrial fibrillation inducibility by electrical stimulation of either the extrinsic or the intrinsic autonomic nervous system. *J of Intervent Cardiac Electrophysiol (JICE)*; 2009;24:5-10.

Lin J, Scherlag BJ, Lu Z, Niu G, Patterson E, Jackman WM, Lazzara R, **Po SS**. Autonomic mechanism for complex fractionated atrial electrograms. *J Cardiovasc Electrophysiol*. 2008;19:835-42..

Lu Z, Scherlag BJ, Lin J, Jackman WM, Lazzara R, Jiang H, **Po SS**. Atrial fibrillation begets atrial fibrillation: the role of autonomic nervous system in acute atrial remodeling. *Circ Arrhythm Electrophysiol* 2008;1::184-192.

Lin J, Scherlag BJ, Lu Z, Zhang Y, Patterson E, Jackman WM, Lazzara R, **Po SS**. Inducibility of Atrial and Ventricular Arrhythmias along the Ligament of Marshall: Role of Autonomic Factors. *J Cardiovasc Electrophysiol*, 2008;19:955-962..

Lu Z, Scherlag BJ, Lin J, Jackman WM, Lazzara R, Jiang H, **Po SS**. Fast Fourier transform differentiates neural from fibrillatory conduction for atrial fibrillation. *J Cardiovasc Electrophysiol*, 2008;19:833-842.

Zhou J, Scherlag BJ, Niu, Lu Z, Hou Y, Lazzara R, Jackman WM, **Po SS**. Anatomy and physiology of the right interganglionic nerve: implications for the treatment of inappropriate sinus tachycardia. *J Cardiovasc Electrophysiol*, 2008;19:835-842.

Patterson E, Lu Z, Lin J, Scherlag BJ, **Po SS**, Coscia D, Lazzara R. Antifibrillatory properties of mivacurium in a canine model of atrial fibrillation. *J Cardiovasc Pharmacol*, 2008;51:293-303.

Patterson E, Scherlag BJ, Zhou J, Jackman WM, Lazzara R, **Po SS**. Antifibrillatory actions of cisatracurium- An atrial specific M2 receptor antagonist. *J Cardiovasc Electrophysiol* 2008;19:861-868.

Scherlag BJ, Hou Y, Lin J, Lu Z, Zacharias S, Dasari T, Patterson E, Jackman WM, Lazzara R, **Po SS**. The Cardio-Cardiac Reflex: Its Role in the Initiation, Maintenance and Ablation of Atrial Fibrillation Arising from Non-Pulmonary Vein Foci. *J Cardiovasc Electrophysiol*,2008;19:519-527.

Patterson E, Jackman WM, Beckman KJ, Lazzara R, Lockwood D, Scherlag BJ, Wu R, **Po SS**. Spontaneous pulmonary vein firing in man – Relationship to tachycardia-induced early afterdepolarization and triggered arrhythmia in canine pulmonary vein in vitro, *J Cardiovasc Electrophysiol* 2007;18:1067.

Lin J, Scherlag BJ, Zhou J, Lu Z, Patterson E, Jackman WM, Lazzara R, **Po SS**. Autonomic Mechanism to Explain Complex Fractionated Atrial Electrograms (CFAE). *J Cardiovasc Electrophysiol*; 2007;Vol.18 No11:1-9.

Hou Y, Scherlag BJ, Lin J, Lu Z, Truong K, Patterson E, Lazzara R, Jackman W, **Po SS**. Ganglionated plexi modulating extrinsic cardiac autonomic nervous inputs: Effects on sinus rate, AV conduction, refractoriness and AF inducibility. *J Am Coll Cardio*,2007;50:61-68.

Nakagawa H, Antz M, Wong T, Schmidt B, Ernst S, Ouyang F, Vogtmann T, Wu R, Yokoyama K, Lockwood D, **Po SS**, Beckman KJ, Davies DW, Kuck KH, Jackman WM. Initial experience using a forward directed, high-intensity focused ultrasound balloon catheter for pulmonary vein antrum isolation in patients with atrial fibrillation. *J Cardiovasc Electrophysiol* 2007;18:1136-144.

Hou Y, Scherlag BJ, Zhou J, Song J, Patterson E, Lazzara R, Jackman WM, **Po SS**. Interactive Atrial Neural Network: Determining the Connections between Ganglionated Plexi. *Heart Rhythm*, 2007;4:56-63.

Zhou J, Scherlag BS, Edwards J, Jackman WM, Lazzara RL, **Po SS**. Gradients of Atrial Refractoriness and Inducibility of Atrial Fibrillation due to Stimulation of Ganglionated Plexi. *J Cardiovasc Electrophysiol*.2007;18:83-90.

Zhou J, Scherlag BJ, Wu RC, Yamanashi W, Huang Y, Jackman WM, **Po SS**. Experimental Model Simulating Right Ventricular Outflow Tract Tachycardia: A Novel Technique to Initiate RVOT-VT. *J Cardiovasc Electrophysiol*. 2006;17:771-775.

Patterson E, Scherlag B, Lazzara R, **Po SS**. Na-Ca Exchange Initiated by the Ca<sup>++</sup> Transient: A Trigger for Arrhythmia Formation in Tissues with an Abbreviated Action Potential. *J Am Coll Cardio* 2006;47: 1196-1206.

**Po SS**, Scherlag B, Edwards J, Yamanashi W, Jing Zhou, Geng N, Lazzara R,

Jackman W, New Experimental Model for Atrial Fibrillation Arising from a Pulmonary Vein. *Heart Rhythm* 2006;3:201-208

**Po SS**, Li YH, Tang D, Liu H, Geng N, Szabo B, Jackman W, Scherlag B, Lazzara R, Patterson E. Rapid and Stable Reentry within the Pulmonary Vein as a Mechanism for Paroxysmal Atrial Fibrillation. *J Am Coll Cardiol* 2005; 45:1871-1877.

Patterson E, **Po SS**, Scherlag B, Lazzara R. Triggered Firing in Pulmonary Veins Initiated by in vitro Autonomic Nerve Stimulation. *Heart Rhythm* 2005; 2:624-631.

Tang D, Li Y, Wong J, **Po SS**, Patterson E, Chen WR, Jackman WM, Liu H. Characteristics of a charged-coupled-device-based optical mapping system for the study of cardiac arrhythmia. *J Biomed Opt.* 2005;10(2):024009

Scherlag BJ, Yamanashi WS, Nakagawa H, Patterson E, **Po S**, Jackman WJ, Lazzara R: Electrical stimulation to identify neural elements on the heart: their role in atrial fibrillation. *J Interventional Cardiac Electrophysiol* 2005;13:37-42.

Nakagawa H, Aoyama H, Beckman KJ, **Po SS**, Wu R, Lockwood D, Spector P, Calame Lustgarten DL, Hasdemir C, Singh D, Herring L, Lazzara R, Jackman WJ: Relationship between pulmonary vein firing and extent of left atrial-pulmonary vein connection in patients with atrial fibrillation. *Circulation* 2004; 109:1523-1529.

Hasdemir C, Shah S, Rao A, Acosta H, Matsudaira K, Reynolds D, **Po SS**, Lazzara R, Beckman KJ; Analysis of troponin I levels after spontaneous implantable cardioverter defibrillator shocks. *Journal of Cardiovascular Electrophysiology* 2002; Vol. 13, 144-150.

Sun Y, Arruda MS, Otomo K, Beckman KJ, Nakagawa H, Calame J, **Po SS**, Spector P, Lustgarten D, Herring L, Lazzara R, Jackman WM: Coronary sinus-ventricular accessory connections producing posteroseptal and left posterior accessory pathways: Incidence and electrophysiological identification. *Circulation* 2002; Vol. 106: 1362-1367.

**Po SS**, Wu R, Juang G, Kong Wei, Tomaselli GF. Modulation of  $\beta$ -adrenergic regulation of expressed hKv4.3 current. *American Journal of Physiology—Heart and Circulatory Physiology* 2001; Vol. 281 (Dec.), (6)H2518-27.

Numagushi H, Mullins FM, Johnson JP, Johns DC, **Po SS**, Yang IC, Tomaselli GF, Balser R. Probing the interaction between inactivation gating and Dd-sotalol block of HERG. *Circulation Research* 2000; Vol. 24 (Nov.), 87(11), 1012-8.

Greenstein JL, Wu R, **Po SS**, Tomaselli GJ, Winslow RL. Role of the calcium-independent transient outward current I(to1) in shaping action potential morphology and duration. *Circulation Research* 2000; Vol. 24 (Nov.), 87(11), 1026-

33.

**Po SS**, Wang DW, Yang ICH, Johnson JP, Nie L, Bennett PB. Modulation of HERG potassium channels by extracellular magnesium and quinidine. *Journal of Cardiovascul Pharmacology* 1999; Vol. 33 (2), 181-185.

Kong W, **Po SS**, Yamagishi M, Ashen D, Stetten G, Tomaselli GF. Isolation and characterization of the human gene encoding the transient outward potassium current: further diversity by alternative mRNA splicing. *American Journal of Physiology—Heart and Circulatory Physiology* 1998; Vol. 275 (6 pt 2) (Dec.), H1963-70.

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Stavrakis S, Scherlag BJ, **Po SS**. Autonomic modulation: an emerging paradigm for the treatment of cardiovascular diseases. *Circ Arrhythm Electrophysiol*. 2012 Apr;5(2):247-8.

He B, Scherlag BJ, Nakagawa H, Lazzara R, **Po SS**. The intrinsic autonomic nervous system in atrial fibrillation: a review. *ISRN Cardiol*. 2012;2012:490674. doi: 10.5402/2012/490674. Epub 2012 Jun 19.

Scherlag BJ, Nakagawa H, Jackman WM, Lazzara R, **Po SS**. Non-pharmacological, non-ablative approaches for treatment of atrial fibrillation: Experimental evidence and potential clinical implications. *J Cardiovasc Transl Res* 2011;4:35-41

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Fan Y, Dormer K, **Po SS**. Autonomic Denervation Using Magnetic Nanoparticles. *Trend in Cardiovascular Medicine*, 2010 Nov;20(8):268-72.

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### **Chapters in Books:**

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Sun J, Scherlag BJ, **Po SS**. Chapter 47: Role of Autonomic nervous system in AF.

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Jackman WM, Sun Y, Beckman KJ, Nakagawa H, Arruda M, Spector P, Lustgarten D, **Po SS**, Otomo K, Calame J, Herring L, Lazzara: Proposed anatomy and catheter ablation of epicardial posteroseptal and left posterior accessory pathways. In: Zipes DP, Haissaguerre M, eds. Catheter Ablation of Cardiac Arrhythmias, Second Edition, *Futura*, 2002; 321-343.

### **Presented Abstracts (peer reviewed):**

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## VIII. TEACHING ACTIVITIES

### Course Participation

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Wuhan, China; 9/16/2014

Director, Advanced Course for Electrophysiology and Signal Processing.  
Sponsored by Boston Scientific Inc. Shanghai, China; 3/26/2013

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Guanzhou, China; 4/16/2014

Director, Advanced Course for Electrophysiology and Signal Processing.  
Sponsored by Boston Scientific Inc. Chengdu, China; 11/19/2013

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Shanghai, China; 5/26/2013

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Hanzhou, China; 5/24/2013

Director, Advanced Course for Electrophysiology and Signal Processing.  
Sponsored by BARD Electrophysiology Inc. Chengdu, China; 4/19/2013

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Nanjing, China; 2/28/2013 – 3/1/2013

Director, Advanced Course for Electrophysiology and Signal Processing.  
Sponsored by BARD Electrophysiology Inc. Beijing, China; 11/8/2012

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Dalian, China; 7/12/2012 to 7/13/2012

Director, Advanced Course for Electrophysiology and Signal Processing.  
Sponsored by BARD Electrophysiology Inc. Shanghai, China; 3/24/2012

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Nanning, China; 8/20/2011 to 8/21/2011

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Kunming, China; 8/18/2011 to 8/19/2011

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Hanzhou, China; 7/3/2011 to 7/4/2011

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Beijing, China; 7/1/2011 to 7/2/2011

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Guanzhou, China; 4-8-2011

Director, Advanced Course for Electrophysiology and Catheter Ablation.

Sponsored by Biosense Inc. Xiamen, China; 9/15/2010 to 9/16/2010

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Hanzhou, China; 7/17/2010 to 7/18/2010

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Beijing, China; 7/15/2010 to 7/16/2010

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Guanzhou, China; 4/5/2010 to 4/6/2010

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Dalian, China; 7/13/2008 to 7/14/2008

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Guanzhou, China.; 4/7/2008 to 4/8/2008

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. Beijing, China; 10-2008

Director, Advanced Course for Electrophysiology and Catheter Ablation.  
Sponsored by Biosense Inc. 7/5/2008

Course Syllabus: "Advanced Course for Radiofrequency Catheter Ablation of Cardiac Arrhythmias". Sponsored by the Cardiac Arrhythmia Research Institute at the University of Oklahoma Health Sciences Center.

Course Syllabus: "Clinical Electrophysiology and Catheter Ablation of Cardiac Arrhythmias". Sponsored by the Chinese Heart Rhythm Society.

Heart Rhythm Meeting 2005: *New Advances in AF Ablation: AF Ablation Targeting the Cardiac Autonomics.*

### **Other Teaching Activities**

#### Mentor for Residents or Fellows:

Dr. Saidan Zhang	2012 – present
Dr. Xiahoa Shen	2012 – present
Dr. Jian Sun	2012 - present
Dr. S. Thirunavukkarasu	2012 - present
Dr. Bo He	2011 - present
Dr. Stavrakis	2011- 2012
Dr. S Male	2011- 2012
Dr. Qiming Liu	2010 - 2011
Dr. Heng Cai	2010 - 2011
Dr. Yu Liu	2010 - 2011



Dr. YouQi Fan	2010 - 2011
Dr. Shaolong Li	2009 - 2010
Dr. Yong Sha	2009 - 2010
Dr. Xia Shen	2008 - 2009
Dr. Lile Yu	2008 - 2010
Dr. Shu-Yen Li	2008 - 2009
Dr. Christopher Bauer	2007 - present
Dr. Annerie Moers	2007
Dr. Guodong Niu	2007 - 2008
Dr. Zhibing Lu	2006 - 2008
Dr. Mohamed Gias	2006 - 2010
Dr. Kim Troung	2006
Dr. Jiaxiong Lin	2006 - 2007
Dr. Yuan Zhang	2005 - 2007
Dr. Yinglong Hou	2005 - 2006
Dr. Jing Zhou,	2005 - 2006
Dr. Sandeep Chopra	2003 - 2004
Dr. Ning Geng,	2003 - 2004
Dr. Qingke Xu,	2002 – 2003

**Visiting Professorship:**

Indiana University, Krannert Institute; September 3, 2013

Texas Heart Institute, Houston, TX; July 25, 2013

Johns Hopkins Medical Institute; December 14, 2011

Metronic Inc. St. Paul; December 7, 2011

University of Minnesota; March 5, 2010

Wuhan University, Wuhan, China; August 6-7, 2007.

Shangdong University, Jinan, China; July 26-27, 2007.

Beijing University, Beijing, China; July 22-24, 2007.

Brown University, Providence, Rhode Island; January 10, 2007.

**Invited Lectures:**

Asian Pacific Heart Rhythm 2014; New Delhi, India; 10/30-11/1/2014 (1) autonomic nervous system and arrhythmia. (2) Differential diagnosis of wide-complex tachycardia with 1:1 VA conduction. (3) Neuromodulation and cardiac arrhythmia.

Mexican heart rhythm 2014, October 2-3, 2014, Leon, Mexico; (1) autonomic nervous system and AF. (2) Key Note Speech: Neuromodulation in treating cardiac arrhythmia.

Chinese Society of Pacing and Electrophysiology, 2014, Wuhan, China. 9/12-14, 2014(1) Autonomic nervous system and triggers in AF. (2) Difficult SVT ablation.

Taiwanese Cardiology Society 2014 meeting. Taipei, Taiwan. 5/16-18, 2014. Neuromodulation to treat cardiac arrhythmia.

Heart Rhythm Meeting 2014, May 7-10, 2014, San Francisco. (1) AF Symposium: Autonomic ganglia and their roles in triggering AF. (2) Core Curriculum: Differential diagnosis of wide-complex tachycardia with 1:1 VA conduction.

13<sup>th</sup> AF Symposium, 2014, March 12-13, 2014, Prague, Czech. Autonomic nervous system and AF.

Mexican Heart Rhythm 2013; Aquascalientes, Mexico; (a) sleep apnea and atrial fibrillation (b) autonomic nervous system and arrhythmia

Asian Pacific Heart Rhythm 2013; Hong Kong, China; 9/30-10/1/2013 (a) difficult accessory pathway ablation (b) autonomic nervous system and arrhythmia

OCC 2013, Shanghai, China. May 4-26, 2013. (1) Ablation for difficult AVNRT (2) Autonomic Denervation for AF Ablation: does it add to success?

Heart Rhythm Meeting 2013, May 8-11, 2013; Denver. (1) AF Symposium: Autonomic Denervation for AF Ablation: does it add to success? (2) Autonomic Nervous System and Arrhythmia

VT Symposium, Nanjing, China. March 1, 2013: (1) His-Purkinje system related VT (2) Autonomics and VT.

Shanghai Chest Hospital International Atrial Fibrillation Workshop; December 14, 2012. (1) Rotor and AF (2) Catheter ablation using Stereotaxis mapping system.

Texas Tech University, Lubbock, TX. June 5, 2012. Cardiology Grand Round. Autonomics and Cardiac Arrhythmias.

Cardiostim 2012, Nice, France, June 13-16, 2012. Vagal modulation of atrial arrhythmias.

Heart Rhythm Meeting 2012, May 9-12, 2012; Boston. (1) How to target autonomic plexi, (2) Neural targets for treatment of atrial fibrillation, (3) Cardiac autonomic

nervous system and atrial arrhythmia: basic mechanisms, (4) Achieving 100% ablation success: Lessons learned from redo ablation.

Shanghai Chest Hospital International Atrial Fibrillation Workshop; December 17-18, 2011. (1) Biophysics of AF ablation, (2) Catheter ablation targeting the autonomic nervous system.

California Heart Rhythm Meeting, 9-2-2011, San Diego, CA. GP ablation: catheter or surgical?

South China Heart Rhythm Meeting, 8-20-2011, Nanning, China. Causes of SVT ablation failure.

Chinese Heart Rhythm Meeting, 7-1-2011, Beijing, China. Autonomic nervous system and cardiac arrhythmia.

Korean Heart Rhythm Meeting, 6-2-2011, Seoul, South Korea. (a) Biophysics of ablation. (b) AF ablation and autonomic nervous system.

CardioRhythm, Hong Kong, 2-27-2011. (a) AF ablation and autonomic nervous system. (b) Causes of accessory pathway ablation failure.

Asian-Pacific Heart Rhythm Meeting, Jeju, South Korea, 10-29-2010. (a) Interactions Between Extrinsic and Intrinsic Cardiac Autonomic Nervous System and AF.

Chinese Society of Electrophysiology and Pacing. 9-15-2010. Interactions between Extrinsic and Intrinsic Cardiac Autonomic Nervous System.

Southern Chinese Arrhythmia Meeting, 4-2-2010. Cardiac autonomics and Atrial Fibrillation.

EP Grand Round; University of Minnesota, 3-5-2010. Atrial Fibrillation.

The European Cardiac Course 2010. 2-26-2010. Maastricht, The Netherlands. Ganglionated plexus ablation.

Boston Scientific Research Grand Round, St Paul. 11-17-2009. Autonomics and Cardiac Arrhythmia.

Asian-Pacific Heart Rhythm Meeting, Beijing, 10-22-2009. Which Ablation Tools and Strategy is superior?

Asian-Pacific Heart Rhythm Meeting, Beijing, 10-22-2009. Localization of Atrial Ganglionated Plexi.

Rhythm Congress 2009, Cannes, France. 6/11/2009. Ganglionated plexi and AF.

Heart Rhythm Meeting 2009, Boston. 5/13/2009. Vagal AF and AF in athletes.

Heart Rhythm Meeting 2009, Boston. AF Summit. 5/13/2009. Discussant for "Autonomics and AF".

Heart Rhythm Meeting 2009, Boston. AF Summit. 5/15/2009. Autonomic nervous system and AF.

Norman Regional Hospital, Norman, Oklahoma. 8/28/2008. Non-invasive and Invasive Management of Atrial Fibrillation.

Chinese Atrial Fibrillation Symposium, Dalian, China. 7/4/2008. Atrial Fibrillation triggered by non-PV foci.

Chinese Atrial Fibrillation Symposium, Dalian, China. 7/4/2008. Neural Aspect of Atrial Fibrillation: Can we stop "AF begets AF?"

Symposium of Atrial Fibrillation. 6/30/2008. Beijing, China. Autonomics and Atrial Fibrillation.

16<sup>th</sup> World Congress in cardiac electrophysiology and cardiac Techniques, Nice, France. 06/18/2008. Current Research on Neurogenic Atrial Fibrillation: The Intrinsic Cardiac Autonomic System.

National Institute of Health Workshop on Prevention of Atrial Fibrillation. 4/28/2008.

European Cardiac Arrhythmia Society; Marseille, France 04/13/2008: Neural Aspect of Atrial Fibrillation and Clinical Impact.

Cardiology Grand Round, Fudan University, Shanghai, China; 8/10/2007;  
1. Cardiac Autonomics and Arrhythmia.  
2. Catheter Ablation for VT after Myocardial Infarction.

Cardiology Grand Round, Wuhan University, Wuhan, China; 8/7/2007; Cardiac Autonomics and Arrhythmia.

Medicine Grand Round, Shandong University, Jinan, China; 7/27/2007; Cardiac Autonomics and Arrhythmia.

Arrhythmia Forum, Beijing University, Beijing, China; 7/24/2007.  
1. Cardiac Autonomics and Arrhythmia  
2. Cardiac Autonomics and Atrial Fibrillation

Cardiology Grand Round: Brown University, Rhode Island Hospital, 5/10/2007.

Cardiac Autonomics and Arrhythmia.

Electrophysiology Grand Round: Brown University, Rhode Island Hospital, 1/10/2007. Cardiac Autonomics and Atrial Fibrillation.

Electrophysiology Grand Round: Yang-Ming Medical University, Taipei, Taiwan, 11/26/2006. AF Ablation Targeting Cardiac Autonomics.

Asian-Pacific Atrial Fibrillation Symposium: Tokyo Japan, 11/23/2006. Autonomic Basis for Complex Fractionated Atrial Electrograms (CFAE).

Cardiostim 2006: Nice, France, 6/14/2006. Atrial Fibrillation: A Side Effect or Multiple Processes.

International Heart Forum: Beijing, China 9/16/2005. *New Advances in AF Ablation*

Cardiology Grand Rounds: Qingdao Medical University, Qingdao, China 6/22/2004. *ECG Interpretation for Cardiac Arrhythmia*

Second Great Wall Cardiovascular Pharmacological Therapy and Non-interventional Therapy: Shenyang, China 6/25/2004.

1. *Outpatient Management of Arrhythmia: Bradycardia and Tachycardia*
2. *Pharmacological Therapy for Cardiac Arrhythmia*

Cardiology Grand Rounds of the Health Sciences Center, Beijing University, 9/20/2003

1. *Arrhythmogenesis of Pulmonary Veins*
2. *Catheter Ablation of Paroxysmal Atrial Fibrillation*

The First International Cardiovascular Congress in North-Western China 9/16/2003, Urumuqi City, Zinjiang China. *Arrhythmogenesis of Pulmonary Veins*

EP Grand Rounds, National Yang-Ming Medical University, Taipei, Taiwan, 9/10/2002. *Unusual AV Accessory Pathways.*

### **Lectures at OUHSC**

Medical Grand Rounds, January 2007: "Office Management of Cardiac Arrhythmia"

Cardiology Grand Rounds, May 2005: "Cardiac Autonomics and Cardiac arrhythmias."

Cardiology Grand Rounds, August 2004: "Outpatient Management of Bradycardia and Tachycardia"

Department of Medicine Research Seminar, February 24, 2003.

Cardiology Grand Rounds, January 31, 2003: "Catheter Ablation Failure"

Department of Medicine Research Seminar, February 25, 2002: "Optical Mapping of Ventricular Tachyarrhythmia"

Cardiology Grand Rounds, December 14, 2001: "Basics and New Development of Cardiac Pacing"

Medical Grand Rounds, July 18, 2001: "Medical Management of Atrial Fibrillation and Atrial Flutter"

### **Moderator for National/International Meetings**

Chinese Heart Rhythm Meeting 2011. 7-1-2011. Moderator, CARTO club.

Heart Rhythm Meeting 2011,5-5-2011; San Francisco, CA. Correlation of cardiac anatomy and electrophysiology.

Asian-Pacific Heart Rhythm Meeting, Jeju, South Korea, 10-29-2010. (a) Memories and Future" from Pursuit of the Mechanisms of Cardiac Arrhythmias In Honor of Peng-Sheng Chen, (b) AF Undeclaying Pathophysiology: Channels to Structural Remodeling.

American Heart Association, "AF Summit". June 12, 2010

Heart Rhythm Meeting, Chairman of "Management of AT after AF ablation". May 14, 2010.

Asian-Pacific Heart Rhythm Meeting. Chairman of "Live cases for AF and VT ablation". October 24, 2009

Asian-Pacific Heart Rhythm Meeting. Chairman of "Complex ECG Interpretation". October, 2009.

Heart Rhythm Meeting: *Mapping Arrhythmias: Follow Ca++ and the Waves*. May 12, 2004.

Heart Rhythm Meeting: *Integrated Research*. May 13, 2004.

American Heart Association Meeting: *New Technologies in VT Ablation*. November, 2004.

## **IX. PROFESSIONAL SERVICE:**

Scientific Program Committee of Heart Rhythm Society: Role: Team Leader for Catheter Ablation. 2013-present.

Scientific Advisory Board of the International Academy of Cardiology and of the 18th World Congress on Heart Disease. 2012, 2013

Member of the Judges for the Young Investigator Award, Heart Rhythm Society 2008 - 2011

Member of the *China Task Force* sponsored by the Heart Rhythm Society.

### **Editorial Services (manuscript review)**

Circulation

Journal of American College of Cardiology	
Heart Rhythm Journal, Member of the Editorial Board	2011-present
Journal of Cardiovascular Electrophysiology	
American Journal of Cardiology	
Pacing and Cardiac Electrophysiology	

## **X. ADMINISTRATION:**

Director of Electrophysiology Service	2008-present
Interim Director of Electrophysiology Service	2007-2008
Associate Director of the Cardiac Arrhythmia Research Institute at the University of Oklahoma Health Sciences Center	2007-present
Associate Director of Electrophysiology Fellowship	2006-present

## **XI. MEMBERSHIPS, HONORS, AWARDS and SPECIAL RECOGNITION:**

Innovator Award, University of Oklahoma Health Sciences Center; Technology Development	2011
Provost Research Award, University of Oklahoma Health Sciences Center	2006
Bristol-Myers-Squibb 1998 Fellowship Award	1998
Member of Alpha, Omega, Alpha	1995
Dissertation Enhancement Award; Vanderbilt University, Graduate School	1992
NIH Pharmacology Training Grant	1989-1993
Top 5% Student Award; National Taiwan University, College of Medicine	1986

## **XII. INDUSTRIAL AND INVENTION DISCLOSURE**

Antiarrhythmic Actions of Cisatracurium, No. 06HSC018. Patterson E, <b>Po S</b> , Scherlag B, Jackman W.	2005
Consultant for AtriCure Inc.	2006-present
Director of training programs at HRI for Chinese Electrophysiologists (an unrestricted education grant provided by Johnson & Johnson)	2007-present