



## Stanford Cardiovascular Institute

### Member Retreat and Poster Session 12:00 – 5:45 PM, Friday, 29 February 2008

Vidalakis Dining Room, Schwab Center, Serra Street

12:00 *Seated Luncheon*

*Welcome and introductory remarks*

**John Cooke MD, PhD**, Professor of Medicine, Cardiovascular Medicine,  
Associate Director for Education/Training, Stanford Cardiovascular Institute

*State of the Institute*

**Robert Robbins, MD**, Professor and Chair of Cardiothoracic Surgery,  
Director, Stanford Cardiovascular Institute

*Introduction of Visiting Professor*      **Dr. Robbins**

*Presentation: "Bridging the regeneration gap: Insights from cardiac progenitor cells"*

**Ronglih Liao, PhD**, Associate Professor of Medicine, Brigham and  
Women's Hospital, Harvard Stem Cell Institute

1:30 *Cardiovascular Institute 2007 Seed Grants Updates*

*"Sex Differences in Those Presenting with Chest Pain but Having "Normal" Coronary Arteries:  
An Evaluation of Coronary Plaque Distribution, Endothelial Function, and the Microcirculation"*

**Jennifer Tremmel, MD, SM**, Instructor, Medicine, Cardiovascular Medicine

*"High Throughput Mutation Detection in Familial Cardiomyopathy"*

**Euan Ashley, MRCP, DPhil**, Assistant Professor of Medicine,  
Cardiovascular Medicine

2:15 *Break*

2:30 *Moderated Poster session* \* 5 Young Investigator finalists, each 5" presentation, 5" Q&A

3:30 *Poster Session*

5:30 *Award Ceremony*      **Robert Robbins, MD**

- 2008 Postdoctoral Fellowship Winner: **James Norman, PhD**
- 2008 Seed Grant Awards: TBA
- 2008 Young Investigator Award: TBA

5:45 *Closing Remarks*      **Robert Robbins, MD**

---

\* Poster judges: John Cooke, MD, PhD, Ronald Dalman, MD, Marcia Stefanick, PhD, Paul Wang, MD, Euan Ashley, MRCP, DPhil, and Jennifer Tremmel, MD, SM

**Retreat Poster Session**  
**2:30-5:30 PM**  
**Friday February 29, 2008**

**# 201-237 YOUNG INVESTIGATOR POSTERS****# 301-319 OTHER RESEARCH AND LAB POSTERS**

#	Poster Title	Presenters	
201	The AngioVis Toolbox: Comprehensive Clinical Visualization of Lower Extremity CT Angiography	Matus Straka	Post-Doc, Radiology MIPS
202	Endothelial Progenitor Cells from Human Embryonic Stem Cells: Isolation and Transplantation for Myocardial Infarction	Zongjin Li	Postdoc, Radiology
203	Real-time Magnetic Resonance Imaging of Peripheral Chronic Total Occltime Occlusion	Yoriyasu Suzuki	Post-Doc, Cardiovascular Medicine
204	Phospho-Protein Profiling of Beta Adrenergic Receptor Signaling	Andrzej Chruscinski	Postdoc, Cardiology
205	Do differences in clinical characteristics explain different survival rates between the least-fit and the next-least-fit individuals?	Sandra Mandic	Post-Doc, Stanford School of Medicine
206	Dynamic Time Warping: A Novel Algorithm for Rhythm Discrimination in Implantable Cardioverter-Defibrillators in ICDs	Baharan Kamousi	grad student, electrical eng.
207	Regulation of Mitochondrial Signaling and Intracellular Ca <sup>2+</sup> by $\beta$ -Adrenergic Receptors in Doxorubicin Cardiomyopathy	Giovanni Fajardo	Research Associate
208	Manganese guided cellular MRI of stem cell viability	Mayumi Yamada	Post-Doc, School of Medicine, CV med
209	Age-related changes in the biomechanical cyclic strain of the human thoracic aorta	Tina Morrison	Post-Doc, Bioengineering
210	Asymmetric Dimethylarginine Predicts Mortality and Major Adverse Cardiovascular Events in Patients With Peripheral Arterial Disease	David Shin	Medical Student, Division of Cardiovascular Medicine
211	In vivo Bioluminescence Imaging of Progenitor Cells in Experimental Abdominal Aortic Aneurysm (AAA) Disease	Geoffrey Schultz	Post-Doc, Vascular Surgery
212	Investigational Anti-angiogenesis Agent Limits AAA Progression in Mice	Maureen Tedesco	Post-Doc, Surgery
213	ALDH2 mediates cardioprotection from ischemia-reperfusion injury	Grant Budas	Postdoc, Chemical and Systems Biology
214	Assessment of Therapeutic Angiogenesis in Murine Hindlimb Ischemia using PET and 64Cu-labeled Vascular Endothelial Growth Factor-121	Juergen Willmann	post-doc, Radiology
215	Mast cells, the allergic responders, a target of heart failure?	Suresh Palaniyandi	postdoc, CS & B
216	Comparison of Embryonic Stem Cell Delivery Modalities for Treatment of Critical Limb Ischemia	Ngan Huang	postdoc, CVMed
217	Adventitial VEGF signaling is critical for restenosis after vascular injury	Josh Lehrer-Graiwer	Post-doc, Cardiology
218	Self-Assembling Protein-Based Physical Hydrogels for Cell Transplantation	Cheryl Wong Po Foo	Post-Doc, Materials Science and Engineering
219	Vascular endothelial cells express the "muscle-specific" nicotinic acetylcholine receptor	Christoph Peter	Post-Doc, Cardiovascular Medicine
220	"Cardiomyocyte-Scaffold Interactions: New Insights into Heart Tissue Engineering"	Debanti Sengupta	Grad Student, Chemistry
221	Contraction force mapping in left-ventricular cardiomyocytes	James Norman	Post-doc, Pediatric Cardiology
222	The Chromatin Remodeling BAF Complex Regulates Myocardial Development through BMP10 and p57kip2	Calvin Hang	Grad Student, Cardiology
223	Apelin receptor APJ is required for normal cardiovascular development and function	Joshua Anderson	Post-Doc, Cardiovascular Medicine
224	The role of nicotinic acetylcholine receptor in atherosclerosis	Hiroshi Niiyama	PostDoc, CVmed
225	Is Insulin Resistance or Obesity a Determinant of Hypercoagulability?	Haruka Itakura	Post-Doc, Cardiology
226	Independent AV/VA Pacing Optimization Requires Operation Along Mechanical AV Delay Isochrones	Robert Turcott	Post-doc, Cardiovascular Medicine
227	Feasibility Testing of a Novel Ablation Catheter-Based Temperature Measurement Device	Bryant Lin	Instructor, Medicine
228	Graphite/Metal core-shell nanocrystals as MRI contrast agents to detect vascular inflammation	Kosuge, Nori	Post-Doc, Cardiovascular Med, Chemistry; EE
229	Effects of Long Term Culture on Human Embryonic Stem Cell Aging	Xiaoyan Xie	Radiology post-doc

**Retreat Poster Session**  
**2:30-5:30 PM**  
**Friday February 29, 2008**

230	VEGF inhibition modulates glucose metabolism by enhancing hepatic insulin signaling	Kevin Wei	Grad Student, Med Hematology
231	MicroRNA Profiling of Human Embryonic Stem Cell Differentiation to a Cardiac Fate	Kitch Wilson	Grad Student, Bioengineering
232	Novel Regulators of Angiogenesis	Frank Kuhnert	LSRA , Med/Hematology
233	Role of Egfl7 in murine angiogenesis	Michael Mancuso	Grad Student, Cancer Biology
234	Non-Invasive Assessment of Coronary Vasodilation by MRA: Diagnosis and Therapeutic Monitoring of Subclinical Atherosclerosis	Patricia Nguyen	Instructor, Cardiovascular Medicine
235	Clinical Applications of a Resting ECG Neural Network	Marco Perez	postdoc, Cardiovascular Medicine
236	Comparison of Gated vs. Non-Gated Cardiac C-arm CT (Dyna CT) of the Left Atrium and Pulmonary Veins in Humans.	Erin Girardj-Hughes	Fellow, Cardiology/EP
237	A shear-free microfluidic device for mammalian cell chemotaxis	Amir Shamloo	Grad Student, Mechanical Engineering
<b>OTHER POSTERS</b>			
301	Interventional Cardiology Research Lab (Animal Lab)	Yeung Lab	
302	Cardiothoracic Transplantation Laboratory, Robbins' Lab	Sonja Schrepfer	
303	Is the METs level Achieved at the Heart Rate of 100 Beats per Minute Predictive of Cardiovascular Mortality in Individuals Referred for Clinical treadmill Testing?	Vy-Van Le	
304	Maximal Oxygen Pulse as a Predictor of Mortality Among Male Veterans Referred for Exercise Testing.	Ricardo Oliveira	
305	The Stanford Murine Cardiovascular Phenotyping Core Laboratory	Daniel Bernstein, Giovanni Fajardo, et al.	
306	Angiogenesis and Vascular Regeneration	Cooke Lab/Jieun Lee	
307	Enhancing the Duke Treadmill Score	Amir Sadrzadeh Rafie	
308	Lifetime Recreational Activity Predicts Peripheral Arterial Disease	Amir Sadrzadeh Rafie	
309	Cardiovascular Imaging –From Cells to Patients	Kosuge/McConne ll et al	
310	Pediatric Cardiology Research Lab-Kirk Riemer	Soichi Tsuda	
312	Engineering of cardiovascular cellular interfaces and tissue constructs [Cardiovascular Tissue Engineering Group]	Rebecca Taylor, Chelsey Simmons	
311	Automated Centerline Restoration through Femoro-Popliteal Occlusions: Can the shape information of the contralateral leg be used to extract ipsilateral centerlines?	David Tran	
313	Detecting Inflammation in Atherosclerosis Using Protein Cage Nanoparticles as Cellular Imaging Agents	Hiro Terashima	
314	Study of nicotine-induced signal transduction pathway	Jenny Wu	
315	The effect of shear stress on rat valvular interstitial cells versus myocardial fibroblasts: a novel ex vivo flow system	Fariba Chalajour	
316	Visualizing ablation gaps in vitro using a deflectable fiber optic endocardial visualization catheter	Afraaz Irani	
317	AAA Disease: Mechanism, Stratification and Treatment.	Julie White	
318	Re-evaluating dogma: Does myocardial insult invoke a recapitulation of fetal gene expression programs?	Frederick Dewey	
319	Bone Morphogenetic Protein 2 (BMP-2) and Wingless 3a (Wnt 3a) Promote Angiogenesis in the Pulmonary Circulation via Cross-talk Through the Wnt/ $\beta$ -Catenin and Wnt/RhoA-Rac1 Signaling Pathways	Vinicio de Jesus Perez	