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**Program Organizers:**

Donald Bers, Martin Cadeiras, Nipavan Chiamvimonvat, Javier Lopez, Crystal Ripplinger, Fernando Santana, Uma Srivatsa

**Poster Judges:** Padmini Sirish, Igor Vorobyov

Julie Bidwell, Rose Dixon, Imo Ebong, Dali Fan, Leighton Izu, David Liem, Deborah Lieu, Javier López, Jody Martin, Bilal Munir, Crystal Ripplinger, Clodomir Santana, Uma Srivatsa.

Partial support from T32 Training Program in Basic and Translational Cardiovascular Science, Division of Cardiovascular Medicine; T32 Training Program in Pharmacology, Department of Pharmacology; and UC Davis CVRI.

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**CVRI  
Retreat**



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MEDICINE**



**Heart Research Day**

Department of Internal Medicine  
Division of Cardiovascular Medicine

**Friday, December 6, 2024  
Betty Irene Moore Building  
Rm 1000  
4610 X Street,  
Sacramento, CA 95817**

**Special Thanks to:**

**Chandra Reid, Brittany Kolb, Deborah Crunk, Carla Datanagan, Laila Adora, and Alexandra Schwarz**

**UCDAVIS  
CONFERENCE AND  
EVENT SERVICES**



## UC Davis Heart Research Day 2024

**11:30 a.m.-1 p.m. Registration, Lunch and Posters**

**1 pm Welcome**

**Donald Bers, Ph.D.**, Professor and Chair, Department of Pharmacology, Director, UC Davis CVRI

**Thomas Smith, M.D.**, Chief, Div. Cardiovascular Medicine

**Theme 1: Heart Failure with Preserved Ejection Fraction (Basic and Clinical)**

**Moderators: Fernando Santana, Ph.D.**, Professor and Chair Physiology and Membrane Biology Dept., Vice Dean Basic Sci.

**Martin Cadeiras, M.D.**, Professor and Director, Heart Failure and Cardiac Transplantation Program.

**1:10-1:40 p.m. Keynote Speaker**

**Barry Borlaug, M.D.**, Professor of Medicine and Research Chair, Dept of Cardiovascular Medicine, Mayo Clinic, MN

**Heart Failure with Preserved Ejection Fraction: Current and Future Directions**

**1:45-2 p.m. Bence Hegyi, M.D./Ph.D.**, Project Scientist Department of Pharmacology, Preclinical Models of HFpEF and sex-specific differences

**2:05-2:20 p.m. Imo Ebong, M.D.**, Associate Professor, Division of Cardiovascular Medicine, Sex-specific differences in HFpEF

**2:20-2:50 p.m. Refreshment Break**

**Theme 2: Cardiac Arrhythmias: Reimagined (Basic and Clinical)**

**Moderators: Rose Dixon, Ph.D.**, Professor, Department of Physiology and Membrane Biology

**M. Bilal Munir, M.D.**, Associate Professor, Director of Heart Station, Cardiovascular Medicine

**2:50-3:20 p.m. Keynote Speaker**

**Jan Christoph, Ph.D.**, Assistant Professor, UCSF CVRI  
Optical mapping of contracting hearts

**3:25-3:40 p.m. Uma Srivatsa, M.D.**, Professor and Director of Arrhythmia Services, Division of Cardiovascular Medicine  
Machine Learning to Predict the Success of Atrial Fibrillation Ablation: A multimodal analysis

**3:45-4 p.m. Haibo Ni, Ph.D.**, Assistant Project Scientist, Dept. of Pharmacology, UC Davis  
Sex-Specific Differences in Cardiac Arrhythmias:  
Computational Studies

**4:05-4:20 p.m. Jorge Catrip, M.D.**, Associate Professor of Surgery, UC Davis  
Role of surgery in atrial fibrillation

**Theme 3: Regenerative Therapy (Basic and Clinical)**

**Moderator: Crystal Ripplinger, Ph.D.**, Professor, Department of Pharmacology

**4:25-4:55 p.m. Keynote Speaker**

**Diana Farmer, M.D.**, Professor and Chair, Dept. of Surgery  
In Utero Stem Cell Therapy

**4:55-5:10 p.m. Craig McDonald, M.D.**, Professor and Chair, Dept. of Physical Medicine and Rehabilitation, Professor, Dept. of Pediatrics and Physical Medicine and Rehabilitation, Stem Cell Therapy for Duchene Muscular Dystrophy

**5:15-5:30 p.m. Early-Stage Investigator:**

**Padmini Sirish, Ph.D.**, Assistant Professor, Division of Cardiovascular Medicine  
New paradigms in Cardiac Cell-Based Therapy

**5:30 p.m. Padmini Sirish, Ph.D. and Igor Vorobyov, Ph.D.**  
Poster Awards

**5:30-7 p.m. Reception, Wine and Cheese**