

**UCDAVIS
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Cardiovascular
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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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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