

THANK YOU TO OUR SPONSORS



UC Davis Cardiovascular Symposium 2020

Systems Approach to Understanding Cardiac
Excitation –Contraction Coupling & Arrhythmias

Integrative Study of Cardiac E-C Coupling and Heart Disease

February 20-21, 2020

UC Davis Conference Center
550 Alumni Lane
UC Davis Campus

Organizing Committee

Donald Bers, Ye Chen-Izu, Leighton Izu Nipavan
Chiamvimonvat, Eleonora Grandi, Julie Bossuyt

Thursday February 20

7:30 am- Registration, Coffee & Light Pastries

7:50 - 8:00 Opening Remarks **Don Bers**

1. Arrhythmias: from Genes to Heart

8:00 – 8:30 *Experimental studies* **Bjorn Knollmann**

8:30 – 9:00 *Modeling studies* **Blanca Rodriguez**

9:00 – 9:50 Discussion Leader **Al George**

Panelist **Ele Grandi, Antonio Zaza, Emilia Entcheva, Livia Hool, Penny Boyden, Jordi Heijman**

2. Na⁺ Channels and Transporters

10:00– 10:30 *Experimental studies* **Karin Sipido**

10:30 – 11:00 *Modeling studies* **Jon Silva**

11:00 – 11:50 Discussion Leader **Rocky Kass**

Panelist **Seth Weinberg, Lars Maier, Bill Louch, Julie Bossuyt, Isabelle Deschenes**

Lunch & Early Career Workshop *Demystifying NIH Grant Review Process*

12:00 – 1:00 Early-career investigators (Students, post-docs and Faculty)

3. Ca²⁺ Handling and Ca²⁺ Channels

1:00 – 1:30 *Experimental studies* **Henry Colecraft**

1:30 – 2:00 *Modeling studies* **Tom Hund**

2:00 – 2:50 Discussion Leader **David Eisner**

Panelist **Fernando Santana, Manuel Navedo, Yohannes Shiferaw, Héctor Valdivia, Sandor Gyorke, TingTing Hong, Ana Gomez**

4. K⁺ Channels and Other Channels

3:00 – 3:30 *Experimental studies* **Jeanne Nerbonne**

3:30 – 4:00 *Modeling studies* **David Christini**

4:00 – 4:50 Discussion Leader **Nip Chiamvimonvat**

Panelist **Yoram Rudy, Ursula Ravens, Gea-Ny Tseng, Brian Delisle, Jamie Vandenberg**

Early Stage Investigator (ESI) Flash Talk

5:00 – 5:30	Claudia Moreno (Uni of Wash), Alfonso Bueno-Orovio (Oxford), Ivy Dick (U Maryland), Nikki Posnak (GWU), Alexandre Colas (SBP La Jolla), Madeline Nieves-Cintrón (UCD), Alexey Glukhov (U Wisc),	Rosie Dixon (UCD), Manu Ben-Johny (Columbia), Stefano Morotti (UCD), Pat Boyle (Uni of Wash), Na Li (Baylor), Andy Edwards (UCD), Xiaodong Zhang (UCD)
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5:30 – 7:00 **Reception & ESI poster presentation** (*Lobby of Conf Center*)

7:15 – 9:30 **Dinner** (*Conf Center Hall*)

Friday February 21

7:30 am- Coffee & Light Pastries

5. Mechano-Chemo-Electro-Transduction

8:00 – 8:30 *Experimental studies* **Ye Chen-Izu**

8:30 – 9:00 *Modeling studies* **Leighton Izu**

9:00 – 9:50 Discussion Leader **Jon Lederer**

Panelist **Ken Campbell, Long-Sheng Song, Jeff Saucerman, Samantha Harris, Anthony Baker, Remi Peyronnet**

6. Energetics and Heart Diseases

10:00 – 10:30 *Experimental studies* **Tish Murphy**

10:30 – 11:00 *Modeling studies* **Natalia Trayanova**

11:00 – 11:50 Discussion Leader **Mike Shattock**

Panelist **John Elrod, Martin Villa-Petroff, Dan Beard, Aldrin Gomes, Shey-Shing Sheu**

Lunch and Posters

12:00 – 1:00 Lunch and Poster viewing

7. Multi-scale Study of Arrhythmias

1:00 – 1:30 *Experimental studies* **Peter Kohl**

1:30 – 2:00 *Modeling studies* **Nele Vandersickel**

2:00 – 2:50 Discussion Leader **Andrew McCulloch**

Panelist **Natalia Trayanova, Zhillin Qu, Crystal Ripplinger, Daisuke Sato, Laszlo Csernoch**

8. Therapeutic Strategies

3:00 – 3:30 *Experimental studies* **Joseph Wu**

3:30 – 4:00 *Modeling studies* **Colleen Clancy**

4:00 – 4:50 Discussion Leader **Dobromir Dobrev**

Panelist **Andras Varro, Istvan Baczko, Steve Houser, Sridhar Rajamani, Sanda Despa, Luiz Belardinelli**

4:50 – 5:00 Meeting Closing **Don Bers**