



UC Davis CV Symposium

Ion channels, Ca²⁺ regulation and signaling in cardiac and vascular muscle

Davis, CA February 13-14, 2025

Organizers: Don Bers (Co-Chair), Ele Grandi (Co-Chair), Manuel Navedo (Co-Chair),
Nipavan Chiamvimonvat, Rose Dixon, Madeline Nieves Cintron, Jie Zheng
External advisors: Jeanne Nerbonne, Teresa Perez, William Louch, Patrick Boyle
Virtual Conference: Stefano Morotti
Sustainability: Jessica Caldwell

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2025 February 13, Thursday

	7:45 – 8:00	Opening remarks: Kim Barrett and Don Bers
Keynote Speakers	8:00 – 8:30	Silvia Priori Patient specific CV channelopathies
	8:30 – 9:00	Early Career Researchers Teaser Talks
		1. Ion Currents and Membrane Potential Homeostasis
Experimental cardiac	9:00 – 9:20	Lee Eckhardt
Modeling cardiac	9:20 – 9:40	Jakub Tomek
Experimental vascular	9:40 – 10:00	Matt Nystoriak
Modeling vascular	10:00 – 10:20	Gonzalo Hernandez-Hernandez
Discussion	10:20 – 11:00	<u>Leaders:</u> Jeanne Nerbonne, Isabelle Deschenes, Fabrice Dabertrand; <u>Panelists:</u> Molly Maleckar, Ademuyiwa Aromolaran, Seth Weinberg, Matt Trudeau

2. Ion Channels as Therapeutic Targets

Experimental cardiac	11:15 – 11:35	Carol Ann Remme
Modeling cardiac	11:35 – 11:55	Jon Silva
Experimental vascular	11:55 – 12:15	Tom Longden
Modeling vascular	12:15 – 12:35	Henry Colecraft (cardiac exper)
Discussion	12:35 – 1:15	<u>Leaders:</u> Colleen Clancy, Brant Isakson, Teresa Perez <u>Panelists:</u> Prez Radwański, Nikki Posnak, Mona El Refaey

1:15 – 2:30 *Lunch*

3. Multiscale Mechanisms and Approaches

Experimental cardiac	2:30 – 2:50	Stacey Rentschler
Modeling cardiac	2:50 – 3:10	Caroline Roney
Experimental vascular	3:10 – 3:30	Camilla Ferreira Wenceslau
Modeling vascular	3:30 – 3:50	Tim Secomb
Discussion	3:50 – 4:30	<u>Leaders:</u> Alison Mardsen, Pat Boyle <u>Panelists:</u> Emilia Entcheva, Jason Bayer, Sai Veeraraghavan, Lee Murfee, Kalev Freeman

ECR Poster Session	4:30 – 5:30	Silvia Marchianò, Marina Strocchi, Eef Dries, Haibo Ni, Charlotte Smith, Nick Chavin, Nick Klug, Miguel Aragon Baudel, Zack Sexton, Phinea Romero, Luke Dunaway
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6:00 – 9:30 *Social time: Wine tasting, Reception & Dinner for all*

2025 February 14, Friday

8:00 – 8:30 **Joe Wu** Personalized CV Pharmacology

4. Local Ca²⁺ events and global Ca²⁺ dynamics in CV health and disease

	8:30 – 8:50	Senka Ljubojević-Holzer
	8:50 – 9:10	Yohannes Shiferaw
	9:10 – 9:30	Swanpil Sonkusare
	9:30 – 9:50	Nick Tsoukias
	9:50 – 10:30	<u>Leaders:</u> Karin Sipido, Bill Louch, Scott Earley <u>Panelists:</u> Mike Colman, Shanna Hamilton, Ade Adebisi, Niels Voigt, Josh Goldhaber

5. Ca²⁺-dependent signaling in cardiovascular health and disease

	10:45–11:05	Na Li
	11:05–11:25	Tom Hund
	11:25–11:45	John McCarron
	11:45–12:05	Paige Nielsen
	12:05–12:45	<u>Leaders:</u> Don Bers, Sanda Despa, Osama Harraz <u>Panelists:</u> Madeline Nieves Cintron, Albert Gonzales, Rotimi Mesubi, Yael Yaniv

12:45 – 2:00 *Lunch*
Developing a personal brand: Vanessa Errecarte

6. Targeting Ca²⁺ dysregulation

	2:00 – 2:20	Ivy Dick
	2:20 – 2:40	Jordi Heijman
	2:40 – 3:00	Kim Dora
	3:00 – 3:20	Niloufar Khakpour
	3:20 – 4:00	<u>Leaders:</u> Jon Lederer, Manuel Navedo, Ana Gomez <u>Panelists:</u> Bjorn Knollman, Isabella Grumbach, Dobromir Dobrev, Kat Dibb

4:00 *Thanks & Close of Meeting*