



Cincinnati, OH
October 25–26, 2017

Program
&
Attendee Contacts

EWIC gratefully acknowledges the generous support of our sponsors:



East-to-West Iron Club 2017

University of Cincinnati

October 25–26, 2017

Program

Registration • Please use online form at <http://eastcoastironclub.org>

Venue • **Medical Sciences Building (MSB)** | Enter via CARE/Crawley Building, 3230 Eden Av or at 231 Albert Sabin Way

Parking • **Eden Garage** | 3223 Eden Av, Cincinnati, OH 45267 | Visitor Parking on Levels 7 & 8 | Pay station: Level 5 (\$10)

Wednesday, October 25

2:30 pm	Check-in/Registration Poster Set Up Coffee & Cookies	MSB E-Level Kresge Lobby
3:30 pm	EWIC 2017 Keynote Address Robert E Fleming, MD Saint Louis University School of Medicine <i>A tale of two heads: Lessons from lobe-specific mutations in the transferrin iron binding sites</i>	MSB 4th Floor Room 4051
4:45 pm	Trainee Data Blitz Chair: Tomas Ganz This session will spotlight the work of our next generation of iron researchers in a series of ultra-brief presentations.	
5:30 pm	Posters and Wine & Cheese Reception If you plan to bring a poster, please tell us on the online registration form. Posters can be set up beginning 2:30 pm Wednesday, and can be left up overnight.	MSB E-Level Kresge Lobby
7:15 pm	Dinner at <i>Postmark</i> Restaurant 3410 Telford St, Cincinnati, OH 45220. Tel: (513) 281-3663. Please use the online registration form. Students and Postdoctoral Trainees: \$15 per person not including beverages, gratuity, or tax. Faculty, Research Staff, and Other Professionals: \$45 per person not including beverages, gratuity, or tax.	

Registration • Please use online form at <http://eastcoastironclub.org>

Venue • **Medical Sciences Building (MSB)** | Enter via CARE/Crawley Building, 3230 Eden Av or at 231 Albert Sabin Way

Parking • **Eden Garage** | 3223 Eden Av, Cincinnati, OH 45267 | Visitor Parking on Levels 7 & 8 | Pay station: Level 5 (\$10)

Thursday, October 26

8:00 am	Check-in/Registration Coffee & Pastries		MSB E-Level Kresge Lobby
9:00 am	Chair's Welcome Bryan Mackenzie		MSB E-Level Room E261
9:05 am	Roundtable Discussion 1: Iron absorption, cellular uptake and efflux	Facilitator: Bryan Mackenzie	
9:30 am	Roundtable Discussion 2: Intracellular iron trafficking	Facilitator: Caroline Philpott	
9:55 am	Roundtable Discussion 3: Iron and the mitochondrion	Facilitator: Michael Garrick	
10:20 am	Coffee Break		MSB E-Level Kresge Lobby
10:40 am	Roundtable Discussion 4: Iron overload: Beyond phlebotomy	Facilitator: Rob Fleming	MSB E-Level Room E261
11:15 am	Roundtable Discussion 5: Iron and infection	Facilitator: Tomas Ganz	
12:00 pm	Lunch and Posters		MSB E-Level Kresge Lobby
1:30 pm	Roundtable Discussion 6: Iron, erythropoiesis, and inflammation	Facilitator: Yelena Ginzburg & Stefano Rivella	MSB E-Level Room E261
2:10 pm	Roundtable Discussion 7: Maternofetal iron metabolism	Facilitator: Ella Nemeth	
2:50 – 3:00 pm	Business Meeting and Trainee Awards		

Acknowledgment

EWIC 2017 has benefited from administrative assistance provided by the Department of Pharmacology & Systems Physiology, University of Cincinnati.

Sponsorship

We gratefully acknowledge the financial support of our sponsors:
 University of Cincinnati | Office of Research
 University of Cincinnati | Department of Pharmacology & Systems Physiology
 Keryx Biopharmaceuticals, Inc

Posters

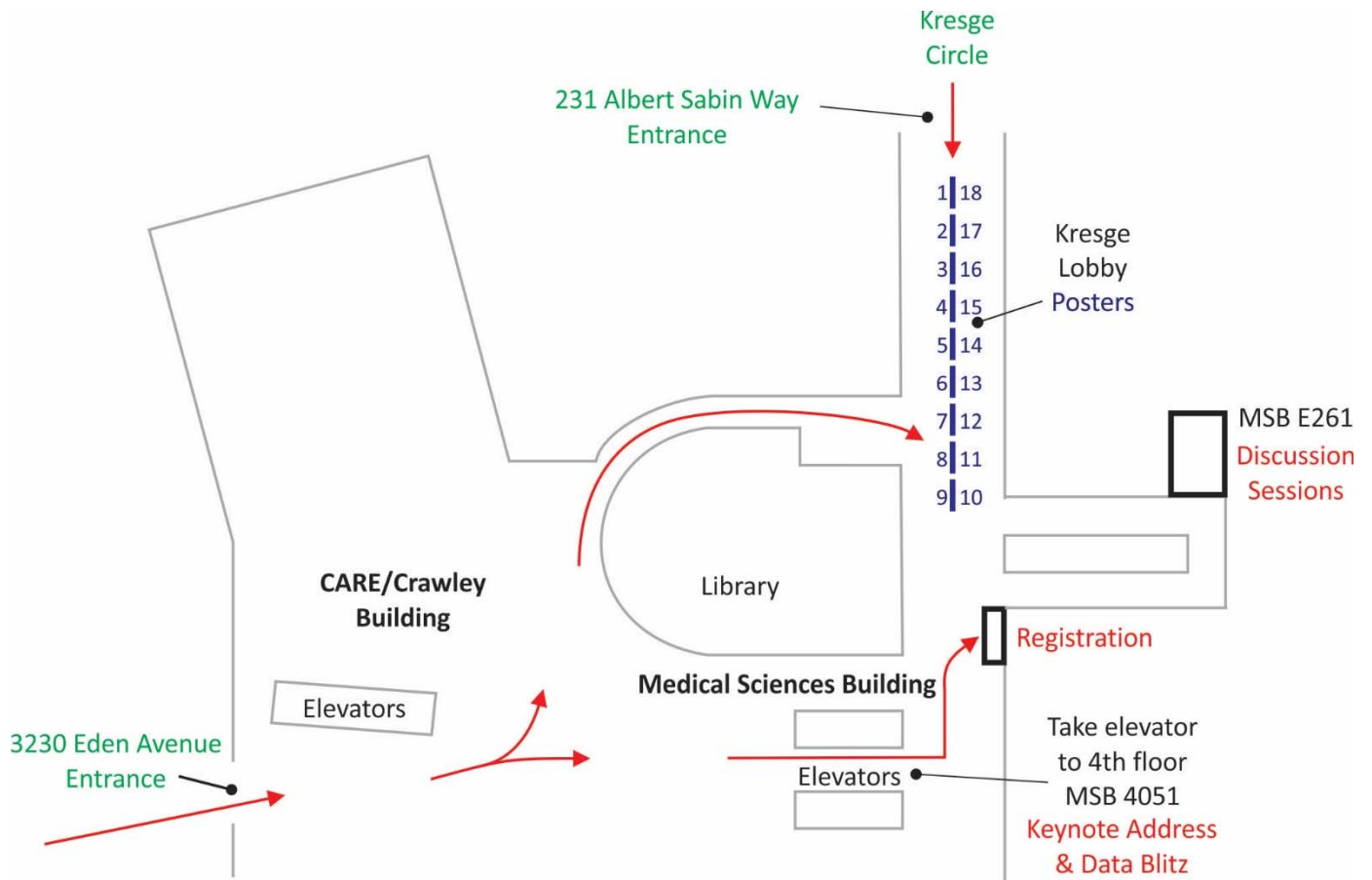
MSB E-Level, Kresge Lobby
 Wednesday 5:30 – 6:45 pm • Thursday 12:00 – 1:30 pm

Board #	Presenter	First Author (if different)	Poster Title
1	Cindy Roy		NIDDK Hematology Program Overview
2	Michael Ortman		No critical role for gastric acid in iron absorption
3	Bryan Mackenzie	Ali Shawki	Intestinal brush-border Na ⁺ /H ⁺ exchanger-3 drives H ⁺ -coupled iron absorption in the mouse
4	Justin Dunham		Role of <i>N</i> -glycosylation in the iron transport activity of divalent metal-ion transporter-1
5	Michael Garrick		Entry of iron and other metal ions into mitochondria
6	Corbin Azucenas		Metal-ion transport activity of the copper transporter family members Ctr1 and Ctr2
7	Xiaoya Ma		Smad3 signaling specifies iron absorptive gene activation by HIF-2 α
8	Ethan Baratz		Dysregulated iron and lipid metabolism in mice with liver-specific knockout of iron chaperone Pcbp1
9	Vaibhav Sidarala		Iron contributes to aggravated cytokine-induced toxicity in pancreatic beta cells with impaired mitophagy
10	Alex Ruwe		Calcium activates ferroportin-mediated cellular iron efflux
11	John Bonamer		Oligomerization of ferroportin protein and the mechanism of autosomal dominance in ferroportin disease
12	Kyle Vieth		Hepcidin interaction with ferroportin in the <i>Xenopus</i> oocyte expression system
13	Andrew Schwartz		Loss of local hepcidin decreases tumorigenesis in colorectal cancer
14	Caihong Wang	Kyle Bauckman	Reduction of dietary iron intake limits uropathogenic <i>E. coli</i> infection of the bladder
15	Luke Mammen		Effects of the abrogation of the interaction between HFE and Tfr1 on iron homeostasis
16	Amanda Sankar		Metabolomic characterization of red blood cell differentiation
17	Stefano Rivella	Ritama Gupta	Elucidation of the role of IL6 and ROS in erythroid bone marrow cells during the development of anemia of inflammation
18	Stefano Rivella	Carla Casu	Modulation of EPO and iron metabolism correct anemia and splenomegaly in beta-thalassemia

Map of MSB

Venue • Medical Sciences Building (MSB) | Enter via CARE/Crawley Building, 3230 Eden Av or at 231 Albert Sabin Way

Parking • Eden Garage | 3223 Eden Av, Cincinnati, OH 45267 | Visitor Parking on Levels 7 & 8 | Pay station: Level 5 (\$10)



EWIC 2017 Attendees

Name	Institution	Email	Position
Nisha Ajit George	Saint Louis University	nisha.ajitgeorge@health.slu.edu	Other professional
David Askew	University of Cincinnati	david.askew@uc.edu	Faculty
Corbin Azucenas	University of Cincinnati	azucencr@mail.uc.edu	Student
Ethan Baratz	NIH-NIDDK	ethan.baratz@nih.gov	Student
Kyle Bauckman	Nova Southeastern University	kbauckman@nova.edu	Faculty
Chelsea Beuter	University of Cincinnati	bueterca@ucmail.uc.edu	Postdoctoral or clinical fellow
John Bonamer	University of Cincinnati	bonamejp@mail.uc.edu	Student
Alex Boucher	Cincinnati Children's Hospital	alexander.boucher@cchmc.org	Postdoctoral or clinical fellow
Jen Corless	Keryx Biopharmaceuticals	jennifer.corless@keryx.com	Other professional
Nupur K Das	University of Michigan	nkdas@umich.edu	Postdoctoral or clinical fellow
George Deepe	University of Cincinnati	george.deepe@uc.edu	Faculty
Justin Dunham	University of Cincinnati	dunhamjl@mail.uc.edu	Student
Diana Ronai Dunshee	Celgene Corporation	ddunshee@celgene.com	Other professional
Robert Fleming	Saint Louis University	robert.fleming@health.slu.edu	Faculty
Ethan Fuqua	University of Cincinnati	fuquae@mail.uc.edu	Student
Tomas Ganz	UCLA	tganz@mednet.ucla.edu	Faculty
Michael Garrick	University at Buffalo	mgarrick@buffalo.edu	Faculty
Yelena Ginzburg	Icahn School of Medicine at Mount Sinai	yelena.ginzburg@mssm.edu	Faculty
Alex Hertlein	University of Cincinnati	hertleaj@mail.uc.edu	Student
Chetananchandra Joshi	Washington University–St Louis	chetjosh@gmail.com	Postdoctoral or clinical fellow
Theodosia Kalfa	Cincinnati Children's Hospital	theodosia.kalfa@cchmc.org	Faculty
Zachary Kiser	University of Minnesota	zkiser@umn.edu	Postdoctoral or clinical fellow
TJ Lee	University of Cincinnati	lee2t7@mail.uc.edu	Student
Marianne Ligon	Washington University–St Louis	ligonm@wustl.edu	Student
Xiaoya Ma	University of Michigan	xiaoyama@umich.edu	Postdoctoral or clinical fellow
Bryan Mackenzie	University of Cincinnati	bryan.mackenzie@uc.edu	Faculty
Luke A Mammen	Saint Louis University	luke.mammen@health.slu.edu	Student
Patrick McGann	Cincinnati Children's Hospital	patrick.mcgann@cchmc.org	Faculty
Elizabetha Nemeth	UCLA	enemeth@mednet.ucla.edu	Faculty
Eric Niespodzany	University of Cincinnati	niespoec@ucmail.uc.edu	Postdoctoral or clinical fellow
Michael Ortman	University of Cincinnati	ortmanmm@mail.uc.edu	Student
Nermi Parrow	Saint Louis University	nermi.parrow@health.slu.edu	Postdoctoral or clinical fellow
Caroline Philpott	NIH-NIDDK	carolinep@mail.nih.gov	Intramural investigator
Olga Protchenko	NIH-NIDDK	olgap@nih.gov	Other professional
Eliezer Rachmilewitz	Edith Wolfson Medical Center, Israel	rachmilewi@yahoo.com	Other professional
Patrick Redman	Keryx Biopharmaceuticals	patrick.redman@keryx.com	Other professional
Stefano Rivella	University of Pennsylvania	rivellas@email.chop.edu	Faculty
Cindy Roy	NIH-NIDDK	cindy.roy@nih.gov	Other professional
Alex Ruwe	University of Cincinnati	ruweta@mail.uc.edu	Student
Amanda Sankar	University of Michigan	sankara@umich.edu	Postdoctoral or clinical fellow
Andrew Schwartz	University of Michigan	andrschw@umich.edu	Student
Martin Schwickart	Celgene Corporation	mschwickart@celgene.com	Other professional
Vaibhav Sidarala	University of Michigan	sidarala@med.umich.edu	Postdoctoral or clinical fellow
Kavitha Subramanian Vignesh	University of Cincinnati	kavitha.subramanian@uc.edu	Faculty
Abitha Sukumaran	Cincinnati Children's Hospital	abitha.sukumaran@cchmc.org	Postdoctoral or clinical fellow
Jamie Tweedle	University of Cincinnati	tweedljl@mail.uc.edu	Student
Kyle Vieth	University of Cincinnati	kyle.vieth@uc.edu	Other professional
Caihong Wang	Washington University–St Louis	cwang23@wustl.edu	Postdoctoral or clinical fellow
Martin Weichert	University of Cincinnati	weichemn@ucmail.uc.edu	Postdoctoral or clinical fellow
Darren Wolfe	Sidero Bioscience	dwolfe@siderobio.com	Other professional
Roger T. Worrell	University of Cincinnati	roger.worrell@uc.edu	Faculty
Dorinja Zapf	Univ Cincinnati / Univ Lübeck	dorinja.zapf@uksh.de	Student