

# AGENDA

## Emory Exposome Summer Course - Monday

June 13, 2017

8:30AM – 8:00PM All sessions will be held on the campus of Emory University.

8:30 – 9:00	Coffee, tea, and other stimulants
9:00 – 9:45	Welcome, logistics, and purpose of course Gary W. Miller, Emory University
9:45 – 10:30	Keynote: The exposome: from conception to age 11 Steve Rappaport, University of California, Berkeley
10:30 – 11:00	Coffee break
11:00 – 11:30	How does the exposome fit into NIH? David Balshaw, National Institute of Environmental Health Sciences
11:30 – 12:15	Invited trainee talks
12:15 – 1:30	Lunch
1:30 – 2:00	An introduction to Amazon Web Services Sri Elaprolu, Amazon Web Services
2:00 – 3:30	Playing in the cloud (live interactive demos) Gari Clifford, Emory University
3:30 – 5:00	Poster session/happy hour Odd numbered posters presented
5:00 – 8:00	Dinner

# AGENDA

## Emory Exposome Summer Course - Tuesday

June 14, 2017

8:30AM – 9:00PM

8:30 – 9:00	Coffee, tea, and other stimulants
9:00 – 10:00	<b>Keynote: Title TBD</b> Michael Jerrett, University of California, Los Angeles
10:00 – 10:45	<b>Exposome thinking at EPA</b> Cecilia Tan, Environmental Protection Agency
10:45 – 11:15	Coffee break
11:15 – 12:00	<b>Multiplexed analyte analysis</b> Kurt Pennell, Tufts University
12:00 – 1:30	Lunch
1:30 – 2:30	<b>Playing with data at EPA—ToxCast</b> John Wambaugh, Environmental Protection Agency
2:30 – 4:00	<b>The Comparative Toxicogenomics Database</b> Allan Peter Davis, North Carolina State University/CTD
4:00 – 4:15	Load buses/depart for Georgia Aquarium
5:00 – 6:30	Self-guided tour of Georgia Aquarium
6:30 – 9:00	<b>Dinner with Fishes</b> Aquarium Ballroom
9:00	Return to Emory

# AGENDA

## Emory Exposome Summer Course - Wednesday

June 15, 2017

8:30AM – 9:00PM

8:30 – 9:00	Coffee, tea, and other stimulants
9:00 – 9:45	<b>Analytical tools for the exposome</b>  Anthony Macherone, Agilent Technologies and Johns Hopkins School of Medicine
9:45 – 10:30	<b>High resolution metabolomics to sequence the exposome</b>  Dean P. Jones, Emory University
10:30 – 11:00	Coffee break
11:00 – 11:45	Invited trainee talks
11:45 – 1:00	Lunch
1:00 – 1:30	<b>Measuring chemicals with metabolomics</b>  Overview of Emory's platform—Doug Walker
1:30 – 4:00	<b>Using the Emory metabolomics toolkit</b>  <b>Basic</b> —Karan Uppal <b>Advanced</b> (you are comfortable with R)—Shuzhao Li
4:00 – 5:00	<b>Poster session/happy hour</b>  Even numbered posters presented
5:00 – 6:00	<b>Free time (exercise, relax, converse)</b>
6:00 – 9:00	<b>Dinner at the Carlos Museum</b>  Registrants will have access to the museum galleries

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## Emory Exposome Summer Course -Thursday

June 16, 2017

8:30AM – 7:30PM

8:30 – 9:00	Coffee, tea, and other stimulants
9:00 – 9:45	<b>Making big sense of big data on little chemicals</b> Thomas Hartung, Johns Hopkins University
10:00 – 10:45	<b>The exposome in Europe</b> Denis Sarigiannis, Aristotle University of Thessaloniki
10:45– 11:15	Coffee break
11:15 – 12:00	Invited trainee talks
12:00 – 1:30	Lunch
1:30 – 3:00	Human Toxome Project demo/data analysis
3:00 – 4:30	<b>Environmental-Wide Association Studies: a how-to guide and demo</b> Chirag Patel, Harvard University
4:30 – 5:30	<b>Free time (exercise, relax, converse)/happy hour</b>
5:30 – 7:30	<b>Dinner- casual outdoor event with traditional Southern fare</b>

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## Emory Exposome Summer Course - Friday

June 17, 2017

8:30AM – 1:30PM

8:30 – 9:00	Breakfast
9:00 – 9:30	<b>A very brief introduction to systems biology</b> Eberhard Voit, Georgia Institute of Technology
9:30 – 10:15	<b>Genetic and environmental determinants of aging in <i>C. elegans</i></b> Nick Stroustrup, Harvard University
10:15– 10:45	Coffee break
10:45 – 11:30	<b>Lessons from big biology</b> Christopher Austin, National Center for Advancing Translational Sciences
11:30 – 12:30	<b>Future directions for the exposome</b>
12:30 – 1:30	Lunch and departure