

# AGENDA

## Emory Exposome Summer Course - Monday

June 13, 2017

8:30AM – 8:00PM All sessions will be held on the campus of Emory University in the Claudia Nance Rollins Building.

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

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# AGENDA

## Emory Exposome Summer Course - Tuesday

June 14, 2017

8:30AM – 9:00PM

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<b>8:30 – 9:00</b>	<b>Coffee, tea, and other stimulants</b>	Rollins Auditorium
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<b>9:00 – 10:00</b>	<b>Keynote: Sensing the Exposome: Tales from the Tails of Distributions</b>	
	Michael Jerrett, University of California, Los Angeles	

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<b>10:00 – 10:45</b>	<b>Exposome thinking at EPA</b>	
	Cecilia Tan, Environmental Protection Agency	

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<b>10:45 – 11:15</b>	<b>Coffee break</b>	
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<b>11:15 – 12:00</b>	<b>Invited trainee talks</b>	
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<b>12:00 – 1:30</b>	<b>Lunch</b>	Klamon Room, 8 <sup>th</sup> floor
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<b>1:30 – 2:30</b>	<b>Playing with data at EPA—ToxCast</b>	Rollins Auditorium
	John Wambaugh, Environmental Protection Agency	

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<b>2:30 – 4:00</b>	<b>The Comparative Toxicogenomics Database</b>	
	Allan Peter Davis, North Carolina State University/CTD	

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<b>4:00 – 4:15</b>	<b>Load buses/depart for Georgia Aquarium</b>	
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<b>5:00 – 6:30</b>	<b>Self-guided tour of Georgia Aquarium</b>	
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<b>6:30 – 9:00</b>	<b>Dinner with Fishes</b>	
	Aquarium Ballroom- Happy Hour begins at 5:30PM; Dinner at 7:00PM	

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<b>9:00</b>	<b>Return to Emory</b>	
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# AGENDA

## Emory Exposome Summer Course - Wednesday

June 15, 2017

8:30AM – 9:00PM

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<b>8:30 – 9:00</b>	<b>Coffee, tea, and other stimulants</b>	Rollins Auditorium
<b>9:00 – 9:45</b>	<b>Analytical tools for the exposome</b> Anthony Macherone, Agilent Technologies and Johns Hopkins School of Medicine	
<b>9:45 – 10:30</b>	<b>High resolution metabolomics to sequence the exposome</b> Dean P. Jones, Emory University	
<b>10:30 – 11:00</b>	<b>Coffee break</b>	
<b>11:00 – 11:45</b>	<b>Invited trainee talks</b>	
<b>11:45 – 1:00</b>	<b>Lunch</b>	Klamon Room, 8 <sup>th</sup> floor
<b>1:00 – 1:45</b>	<b>Chemical measurement by high-resolution metabolomics: practical considerations</b> Doug Walker, Emory University	Rollins Auditorium
<b>1:45 – 2:30</b>	<b>Tools for high-resolution metabolomics</b> Karan Uppal, Emory University	
<b>2:30 – 3:00</b>	<b>Pathway analysis and network integration</b> Shuzhao Li, Emory University	
<b>3:00 – 4:00</b>	<b>Breakout Sessions (30 minutes each)</b>	Auditorium/CNR1000
<b>4:00 – 5:30</b>	<b>Poster session/happy hour</b> Even numbered posters presented	Bridge, 1 <sup>st</sup> Floor
<b>6:00 – 9:00</b>	<b>Dinner at the Carlos Museum</b> Registrants will have access to the museum galleries	

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# AGENDA

## Emory Exposome Summer Course -Thursday

June 16, 2017

8:30AM – 7:30PM

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<b>8:30 – 9:00</b>	<b>Coffee, tea, and other stimulants</b>	Rollins Auditorium
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<b>9:00 – 9:45</b>	<b>Making big sense of big data on little chemicals</b>	
	Thomas Hartung, Johns Hopkins University	

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<b>10:00 – 10:45</b>	<b>The exposome in Europe</b>	
	Denis Sarigiannis, Aristotle University of Thessaloniki	

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<b>10:45– 11:15</b>	<b>Coffee break</b>	
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<b>11:15 – 12:00</b>	<b>Multiplexed analyte analysis</b>	
	Kurt Pennell, Tufts University	

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<b>12:00 – 1:30</b>	<b>Lunch</b>	Klamon Room, 8 <sup>th</sup> floor
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<b>1:30 – 3:00</b>	<b>Human Toxome Project demo/data analysis</b>	
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<b>3:00 – 4:30</b>	<b>Environmental-Wide Association Studies: a how-to guide and demo</b>	
	Chirag Patel, Harvard University	

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<b>4:30 – 5:30</b>	<b>Free time (exercise, relax, converse)</b>	
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<b>5:30 – 7:30</b>	<b>Dinner - casual outdoor event with traditional Southern fare</b>	Plaza Level
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# AGENDA

## Emory Exposome Summer Course - Friday

June 17, 2017

8:30AM – 1:30PM

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<b>8:30 – 9:00</b>	<b>Breakfast</b>	Rollins Auditorium
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<b>9:00 – 9:30</b>	<b>A very brief introduction to systems biology</b>	
	Eberhard Voit, Georgia Institute of Technology	

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<b>9:30 – 10:15</b>	<b>Genetic and environmental determinants of aging in <i>C. elegans</i></b>	
	Nick Stroustrup, Harvard University	

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<b>10:15– 10:45</b>	<b>Coffee break</b>	
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<b>10:45 – 11:30</b>	<b>Lessons from big biology</b>	
	Christopher Austin, National Center for Advancing Translational Sciences	

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<b>11:30 – 12:30</b>	<b>Future directions for the exposome</b>	
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<b>12:30 – 1:30</b>	<b>Lunch and departure</b>	
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