

2018 Face-to-Face Executive Committee and Final Consortium Meeting

Neuroscience Center – Conference Room D/E 6001 Executive Blvd., Rockville, MD 20852

MEETING DAY 1: April 18, 2018 (Wednesday)

9:00 AM to 9:05 AM **WELCOME**

Speaker: Art Castle, Ph.D.

National Institute of Diabetes and Digestive and Kidney Diseases

RCMRC/DRCC - ACCOMPLISHMENTS

(25 min presentation followed by 10 min discussion)

9:05 AM to 9:40 AM **NIH Eastern Regional Metabolomics Resource Core (ERCMRC)**

Speaker: Susan Sumner, Ph.D.

Professor, Department of Nutrition, UNC Gillings School of Global Public Health

9:40 AM to 10:15 AM **Metabolomics Core at Mayo Clinic (Mayo RCMRC)**

Speaker: K. Sreekumaran Nair, M.D., Ph.D.

Professor, Department of Internal Medicine, Division of Endocrinology, Diabetes, Metabolism, Nutrition, Mayo Clinic

10:15 AM to 10:35 AM BREAK (20 min)

10:35 AM to 11:10 AM **Michigan Regional Comprehensive Metabolomics Resource Core (MRC2)**

Speaker: Charles Burant, M.D., Ph.D.

Professor, Departments of Internal Medicine and Molecular and Integrative Physiology, University of Michigan Medical School

11:10 AM to 11:45 AM **Resource Center for Stable Isotope-Resolved Metabolomics (RC-SIRM)**

Speaker: Richard Higashi, Ph.D.

Professor, Department of Toxicology and Cancer Biology, University of Kentucky College of Medicine

11:45 AM to 1:00 PM BREAK (75 min) - LUNCH ON YOUR OWN

1:00 PM to 1:35 PM **Southeast Center for Integrated Metabolomics (SECIM)**

Speaker: Richard Yost, Ph.D.

Professor, Department of Chemistry, University of Florida

1:35 PM to 2:10 PM **NIH West Coast Metabolomics Resource Core (WCMC)**

Speaker: Oliver Fiehn, Ph.D.

Professor, Department of Molecular and Cellular Biology, UC Davis Genome Center

2:10 PM to 2:45 PM **Data Repository and Coordination Center (DRCC)**

Speaker: Eoin Fahy, Ph.D.

Metabolomics WorkBench: Bioinformatics Project Manager, UC San Diego

2:45 PM to 3:00 PM BREAK (15 min)

NIH PROGRAMS - METABOLOMICS: SYNERGY & OPPORTUNITIES

Session Leader: Leslie Derr, Ph.D.

National Institute of Health, Office of the Director

3:00 PM to 3:10 PM **Undiagnosed Diseases Network (UDN)**

Speaker: Anastasia Wise, Ph.D.

National Human Genome Research Institute

3:10 PM to 3:20 PM **Tissue Chip**

Speaker: Lucie Low, Ph.D.

National Center for Advancing Translational Sciences

2018 Face-to-Face Executive Committee and Final Consortium Meeting

Neuroscience Center – Conference Room D/E 6001 Executive Blvd., Rockville, MD 20852

MEETING DAY 1: April 18, 2018 (Wednesday)

3:20 PM to 3:30 PM ***illuminating the Druggable Genome (IDG) and Library of Integrated Network-Based Cellular Signatures (LINCS)***

Speaker: Ajay Pillai, Ph.D.

National Human Genome Research Institute

3:30 PM to 3:40 PM ***Molecular Transducers of Physical Activity in Humans (MoTRPAC)***

Speaker: Maren Laughlin, Ph.D.

National Institute of Diabetes and Digestive and Kidney Diseases

3:40 PM to 3:50 PM ***Children's Health Exposure Analysis Resource (CHEAR)***

Speaker: David Balshaw, Ph.D.

National Institute of Environmental Health

3:50 PM to 4:00 PM ***Environmental influences on Child Health Outcomes (ECHO)***

Speaker: Tania Lombo, Ph.D.

National Institute of Health, Office of the Director

4:00 PM to 5:00 PM **RECEPTION**

Opportunity for RCMRCs/DRCC to talk 1:1 with representatives from various programs

5:00 PM to 6:00 PM **METADATA DISCUSSION**

Discussion Leader: Charles Burant, M.D., Ph.D.

Michigan Regional Comprehensive Metabolomics Resource Core (MRC2)

7:00 PM **GROUP DINNER @ MOSAIC CUISINE**

186 Halpine Road, Rockville, MD 20852

t: 301.468.0682

<http://mosaiccuisine.com/>

National Institutes of Health (NIH) Common Fund Metabolomics Program
2018 Face-to-Face Executive Committee and Final Consortium Meeting
Neuroscience Center – Conference Room D/E 6001 Executive Blvd., Rockville, MD 20852
MEETING DAY 2: April 19, 2018 (Thursday)

METABOLOMICS - INTEGRATION WITH OTHER OMICS AND THE FUTURE

Introduction of Speaker by Dr. Shankar Subramaniam

8:30 AM to 9:00 AM **"Integration of -omics Resources: Challenges and Possibilities."**

Speaker: Claire O'Donovan

Head of Metabolomics at The European Bioinformatics Institute (EMBL-EBI), University College Cork

9:00 AM to 9:30 AM **DATA INTEGRATION**

Use Case Scenarios

Speaker: Shankar Subramaniam, Ph.D.

Distinguished Professor, Departments of Bioengineering, Computer Science & Engineering, Cellular & Molecular Medicine and Nanoengineering

9:30 AM to 9:55 AM **DATA COMMONS**

Speaker: Valentina di Francesco, M.S.

National Human Genome Research Institute

9:55 AM to 10:15 AM BREAK (20 mins)

Introduction of Speaker by Dr. Oliver Fiehn

10:15 AM to 10:45 AM **"Experience from International Metabolomics Efforts, Including Larger Population Cohorts."**

Speaker: Karsten Suhre, Ph.D.

Director of Bioinformatics & Virtual Metabolomics Core at Weill Cornell Medicine-Qatar, Department of Biophysics & Physiology, Weill Cornell Medicine, New York

METABOLOMICS TECHNOLOGIES AND APPLICATIONS - CHALLENGES & UNSOLVED PROBLEMS

Discussion Leaders: Oliver Fiehn, Ph.D.

NIH West Coast Metabolomics Resource Core (WCMC)

Padma Maruvada, Ph.D.

National Institute of Diabetes and Digestive and Kidney Diseases

Introduction of Speaker by Dr. Oliver Fiehn

10:45 AM to 11:15 AM **"Expanding the Metabolomics Universe: Challenges and Possibilities."**

Speaker: Steve M. Fischer

Marketing Director- Academia and Government, Agilent Technologies

Introduction of Speaker by Dr. Padma Maruvada

11:15 AM to 11:45 AM **"Quantifying the Compartmental Distribution of Metabolic Products in the Circulating Metabolome."**

Speaker: John Newman, Ph.D.

Obesity and Metabolism Research Unit, USDA-ARS Western Human Nutrition Research Center

11:45 AM to 12:45 PM **CONSORTIUM DISCUSSION**

"Challenges and Opportunities for the Future of Metabolomics."

Discussion Leader: David Balshaw, Ph.D.

National Institute of Environmental Health

12:45 PM END OF MEETING

2018 Face-to-Face Executive Committee and Final Consortium Meeting

Neuroscience Center – Conference Room D/E 6001 Executive Blvd., Rockville, MD 20852

April 18 & 19, 2018

Meeting Attendees:

Balshaw, David	<i>balshaw@nih.gov</i>	NIH Presenter (CHEAR), Discussion Leader
Barnes, Stephen	<i>sbarnes@uab.edu</i>	Promotion & Outreach Work Group Leader (POWG)
Barupal, Dinesh	<i>dinkumar@ucdavis.edu</i>	WCMC
Burant, Charles	<i>burantc@med.umich.edu</i>	MRC2 Presenter (PI), Discussion Leader
Caldwell, Andrew	<i>abcaldwell@ucsd.edu</i>	DRCC
Castle, Art	<i>castlea@nidk.nih.gov</i>	NIH Speaker (Welcome)
Cotter, Dawn	<i>dcotter@sdsu.edu</i>	DRCC
Dasari, Surendra	<i>dasari.surendra@mayo.edu</i>	Mayo RCMRC
Derr, Leslie	<i>derrl@mail.nih.gov</i>	NIH Programs Session Leader
di Francesco, Valentina	<i>vdifrancesco@mail.nih.gov</i>	NIH Program Presenter (Data Commons)
Evans, Charles	<i>chevans@umich.edu</i>	MRC2
Fahy, Eoin	<i>efahy@ucsd.edu</i>	DRCC Presenter
Fan, Teresa	<i>twmfan@gmail.com</i>	RC-SCIRM
Fennell, Timothy	<i>fennell@rti.org</i>	ERCMRC
Fiehn, Oliver	<i>ofiehn@ucdavis.edu</i>	WCMC Presenter (PI), Discussion Leader
Fischer, Steve	<i>sfischer@agilent.com</i>	Invited Speaker, Agilent Technologies (Virtual)
Garrett, Timothy	<i>tgarrett@ufl.edu</i>	SECIM
Higashi, Rick	<i>rick.higashi@uky.edu</i>	RC-SCIRM Presenter (PI)
Kachman, Maureen	<i>mkachman@umich.edu</i>	MRC2
Karnovsky, Alla	<i>akarnovs@med.umich.edu</i>	MRC2
Lane, Andrew	<i>andrew.lane@uky.edu</i>	RC-SCIRM
Laughlin, Maren	<i>laughlinm@mail.nih.gov</i>	NIH Program Presenter (MoTRPAC)
Lombo, Tania	<i>tania.lombo@nih.gov</i>	NIH Program Presenter (ECHO)
Low, Lucie	<i>Lucie.Low@nih.gov</i>	NIH Program Presenter (NCATS)
Maruvada, Padma	<i>padma.maruvada@nih.gov</i>	Discussion Leader (NIH)
McRitchie, Susan	<i>susan_mcritchie@unc.edu</i>	ERCMRC
Mitchell Roberts, Alisha	<i>amitch@ufl.edu</i>	SECIM
Moseley, Hunter	<i>hunter.moseley@gmail.com</i>	RC-SCIRM
Nadler, Laurie	<i>lnadler@mail.nih.gov</i>	NIH
Nair, Sree	<i>nair@mayo.edu</i>	Mayo RCMRC Presenter (PI)
Newman, John	<i>john.newman@ars.usda.gov</i>	Invited Speaker, USDA-ARS
O'Donovan, Claire	<i>odonovan@ebi.ac.uk</i>	Invited Speaker, The European Bioinformatics Institute

National Institutes of Health (NIH) Common Fund Metabolomics Program

2018 Face-to-Face Executive Committee and Final Consortium Meeting

Neuroscience Center – Conference Room D/E 6001 Executive Blvd., Rockville, MD 20852

April 18 & 19, 2018

Meeting Attendees:

Pillai, Ajay	<i>ajay.pillai3@nih.gov</i>	NIH Program Presenter (IDG & LINCS)
Smith, Phil	<i>smithp@mail.nih.gov</i>	NIH
Spalholtz, Barbara	<i>spalholb@mail.nih.gov</i>	NIH
Subramaniam, Shankar	<i>shankar@ucsd.edu</i>	DRCC Speaker (PI)
Suhre, Karsten	<i>karsten@suhre.fr</i>	Invited Speaker, Weill Cornell Medicine (Virtual)
Sumner, Susan	<i>susan_sumner@unc.edu</i>	ERCMRC Presenter (PI)
Wilder, Betsy	<i>betsywilder@nih.gov</i>	NIH
Wise, Anastasia	<i>wisea2@mail.nih.gov</i>	NIH Program Presenter (UDN)
Witkin, Keren	<i>witkinkeren@mail.nih.gov</i>	NIH
Yost, Rick	<i>ryost@ufl.edu</i>	SECIM Presenter (PI)
Zaneti, Krista	<i>zanettik@mail.nih.gov</i>	NIH