

Program Outline: US DOHaD Society, 3rd Annual Meeting, 2018

Day 1 Monday October 1st

7.00-7.10 AM: Welcome to the Junior Faculty by the Mentor Team

Mentors: B Alexander, PhD; M Desai, Msc, PhD; R Lane, MD MS; M Ross, MD, MPH; C Salafia, MD, MS; R Waterland, PhD; S Wesolowski, PhD.

7.10-7.25 AM: Specific Aims Craftsmanship: Robert H. Lane, MD

7.25-8.15 AM: Specific Aim Review of Mentee's Specific Aims* (Mentor Team)

*Mentees participating will be asked to bring a draft of their aims

8.15-8.30 AM: Coffee Break

9.00-9.30 AM: Welcome Address

Introduction by Dr. Ross (President of DOHaD) and Representative from **NIEHS**.

9.30-11.30 AM: Theme 1: Environmental Exposures/Toxicants

9.30-10.00 AM: Keynote Speaker 1: Dr. Robert O. Wright, MD MPH. Ethel H. Wise Professor and Chair, Department of Environmental Medicine & Public Health, Director, Lautenberg Laboratory for Environmental Health, Icahn School of Medicine at Mount Sinai
Title of Talk: Epigenomics: A Transformational Paradigm for Discoveries of Novel Therapies

10.00-11.30 AM: Six oral presentations (selected from abstracts; 10 min + 5 min questions)

11.30-1.30 AM: Buffet lunch with poster session

1.30-3.15 PM: Theme 2: Updates on Microbiome and Developmental Origins of Health and Disease

1.30-1.45PM: Keynote Speaker 2: Kjersti Aagaard MD PhD. Professor and Vice Chair of Research at Baylor College of Medicine, Henry and Emma Meyer Chair of Obstetrics and Gynecology.

Title of Talk: The Perinatal Microbiome Microbial Programming for Future Health

1:45-2.00 PM: Keynote Speaker 3: Nita Salzman MD PhD, Professor of Pediatrics, Microbiology and Immunology, Associate Director of the Medical Scientist Training Program, Medical College of Wisconsin.

Title of Talk: Genetics, environment and the microbiome: Implications for Human Health and Disease

2.00-3:15 PM: Five oral presentations (selected from abstracts; 10 min + 5 min questions)

3.15-3.30 PM: Coffee break

3.30-5.00 PM: Theme 3: Metabolomics and Programming

3.30-3.45 PM: Keynote Speaker 4: Laura D. Brown MD, Associate Professor of Pediatrics, Department of Pediatrics, Section of Neonatology, University of Colorado School of Medicine.

Title of Talk: Reduced Fetal Skeletal Muscle Growth in IUGR: A Metabolomics Approach to Understanding Mechanism

3.45-4.00 PM: Keynote Speaker 5: Lisa Joss-Moore PhD, Associate Professor of

Pediatrics, Department of Pediatrics, University of Utah

Title of Talk: Perinatal Lipids and the Programming of Lung Disease

4.00-5.00 PM: Five oral presentations (selected from abstracts; 10 min + 5 min questions)

5.00-6.00 PM: ECHO Presentations

6.00 PM: Dinner

Day 2: Tuesday October 2nd

7.00-8.00 AM: Specific Aims Craftmanship Workshop: Continue with review of mentee's specific aims with mentees and mentors (B Alexander PhD, M Desai PhD, R Lane MD MS, M Ross C Salafia MD MSR Waterland PhD, S Wesolowski PhD)

8.00-8.15 AM: Coffee Break

8.15-10.15 AM: Theme 4: Environmental Epigenomics and Cellular Models of Developmental Origins of Health and Disease

8.15-8.45 AM: **Keynote Speaker 6: John Greally DMed**, PhD FACMG, Professor of Genetics, Medicine and Pediatrics, Director of the Albert Einstein Center for Epigenomics, Albert Einstein College of Medicine.

Title of Talk: Testing the cellular models of developmental origins of health and disease.

8.45-9.00 AM: **Keynote Speaker 7: Raul Urrutia MD**, Professor of Surgery and Biochemistry, Warren P. Knowles Endowed Chair of Genomics and Precision Medicine, Director, Genomics Sciences and Precision Medicine Center, Director, Development Therapeutics Program, Cancer Center, Chief-Scientific-Officer, Cancer Epigenetics Society (CES), Medical College of Wisconsin.

Title of Talk: Epigenomics: A Transformational Paradigm for Discoveries of Novel Therapies

9.00-10.15 AM: Five oral presentations (selected from abstracts; 10 min + 5 min questions)

10.15-10.45 AM: Business Meeting

- Elections
- Bylaws
- Council Updates
- Future meetings

10.45-11.00 AM: Coffee Break

11.00 AM-12.00 PM: Theme 5: Environment – Genome Interactions

11.00 AM-11.30 PM: **Keynote Speaker 8: Kari Nadeau MD PhD**, Professor of Pediatrics (Allergy and Clinical Immunology), Stanford University School of Medicine, Naddisy Family Foundation Chair, Director of the Sean N. Parker Center for Allergy and Asthma Research.

Title of Talk: Knowledge of Pathways causing Allergies lead to Roads to Prevention

11.30 AM-12.00 PM: **Keynote Speaker 9: Lubo Zhang PhD**, Professor of Physiology and

Pharmacology, Director of the Lawrence D. Longo, MD Center for Perinatal Biology, Loma Linda University School of Medicine.

Title of Talk: The Environment-Genome Interplay and the Emergence of Neuro-Epigenetics

12.00-1.00PM: Buffet lunch and Mentee / Mentor tables discussing ('Making Contacts / Networking' or 'Career Strategy' - giving mentees the opportunity to switch tables, so to speak)

1.00-2.30 PM Six oral presentations selected from abstracts on topics selected to provoke thought

2.30-4.30 PM: Theme 6: Environment, Programming and Disparities

2.30-3.00 PM: Keynote Speaker 10: Chandra L. Jackson, Ph.D., M.S, Earl Stadtman Investigator, Epidemiology Branch, Social and Environmental Determinants of Health Equity, National Institute of Environmental Health Sciences, National Institutes of Health.

Title of Talk: Social and Environmental Determinants of Health Equity

3.00-3.30 PM: Keynote Speaker 11: Catherine Hoyo, PhD MPH, Professor of Biological Sciences, Director of Epidemiology and Environmental Epigenomics Laboratory, Center for Human Health and the Environment, North Carolina State University.

Title of Talk: Using Epigenetics to Predict the Epidemiology of Obesity Related Chronic Diseases of Adulthood

3.30-4.30 PM: Four oral presentations (selected from abstracts; 10 min + 5 min questions)

4:30-4.45 Closing remarks, Awards

Travel to airport