

*Cohorts for Heart and Aging Research in Genomic Epidemiology Investigator Meeting
New York City, NY (Hosting cohort: SOL)
March 22-24, 2017*

CHARGE INVESTIGATOR MEETING

Meeting Location:

Grand Hyatt New York
109 East 42nd Street at Grand Central Terminal
New York, New York, USA, 10017
Tel: +1 212 883 1234

Official Meeting: March 23-24, 2017

**Select Working Groups will meet on March 22nd.*

Note on Meals:

Lunch will be served on Thursday and Friday, along with morning and afternoon coffee and light refreshments. Conference guests should make their own arrangements for breakfast and dinner.

Wednesday, March 22nd (Pre-Meeting)

1:00 – 5:00 Registration *Mezzanine*

Individual Working Group Meetings
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8:00 – 5:00	U34 Workshop (Murabito) <i>Open invitation</i>	<i>Alvin / Carnegie (Conference Level)</i>
1:30 – 5:00	Adiposity (Liu) <i>Open invitation</i>	<i>Gallery on Lex I (Lobby Level)</i>
2:00 – 3:00	OPEN	<i>Park Ave (Mezzanine Level)</i>
	OPEN	<i>Chrysler (Mezzanine Level)</i>
3:00 – 4:00	Neurology Cognition (Seshadri)	<i>Park Ave (Mezzanine Level)</i>
	Hearing (Goedegebure)	<i>Chrysler (Mezzanine Level)</i>
4:00 – 5:00	Neurology Stroke (Seshadri)	<i>Park Ave (Mezzanine Level)</i>
4:30 – 5:30	Musculoskeletal (Kiel)	<i>Chrysler (Mezzanine Level)</i>

Evening Activities

7:15 **RSC Dinner Meeting** *Regency (Mezzanine Level)*
**By invitation only*

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Thursday, March 23rd

7:30 – 5:00 Registration *Mezzanine*

Session A: Individual Working Group Meetings
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8:00 – 12:00

8:00 – 9:00	Renal/Kidney (Kottgen)	<i>Park Ave (Mezzanine Level)</i>
	Hemostasis (N Smith)	<i>Chrysler (Mezzanine Level)</i>
	Stroke MRI (Seshadri)	<i>Regency (Mezzanine Level)</i>

9:00 – 10:00	Gene-Life (Rao)	<i>Park Ave (Mezzanine Level)</i>
	Echo / Heart Failure (N Smith/V Ramachandran)	<i>Chrysler (Mezzanine Level)</i>
	EKG (Sotoodehnia)	<i>Regency (Mezzanine Level)</i>

10:00 – 10:30 *Morning Break* *Mezzanine*

10:00 – 11:00	PHG (Psaty)	<i>Park Ave (Mezzanine Level)</i>
	Diabetes (Meigs)	<i>Chrysler (Mezzanine Level)</i>
	CHARGEmtDNA+ (Kraja)	<i>Regency (Mezzanine Level)</i>

11:00 – 12:00	Subclinical / CHD (Bis)	<i>Park Ave (Mezzanine Level)</i>
	AFib (Ellinor)	<i>Chrysler (Mezzanine Level)</i>
	Nutrition (C Smith)	<i>Regency (Mezzanine Level)</i>

Lunch Buffet <i>(Mezzanine and Lobby Level)</i>
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12:00 – 1:00

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Thursday continued:

Session B:	Congress Opening	<i>Manhattan Ballroom (Lobby Level)</i>
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1:00 – 1:05 **Welcome**
Robert C. Kaplan, PhD (Albert Einstein College of Medicine)

1:05 – 1:20 **State of CHARGE**
Christopher J. O’Donnell, MD, MPH (Center for Population Genomics, Boston VA Healthcare System)

Keynote:	Mendelian Randomization in Epigenetic Studies	
1:20 – 1:50	George Davey Smith, DSc (University of Bristol)	

Session B1:	Genome Sequencing from Cohorts to Clinics	<i>Manhattan Ballroom (Lobby Level)</i>
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1:50 – 3:05 *Moderator: George J. Papanicolaou, PhD, MS and Qibin Qi, PhD*

1:50 – 2:10 **All of Us Research Program (Precision Medicine Initiative) -- A Potential Resource for Genetics/Genomics Research in Minority Populations**
Martha L. Daviglus, MD, PhD (University of Illinois at Chicago)

2:10 – 2:30 **New Approaches for Complex Trait Genetic Mapping in Ancestrally Diverse Populations**
Timothy A. Thornton, PhD (University of Washington)

2:30 – 2:50 **Using Big Data to Interpret Genomes to Accelerate Drug Discovery**
Rong Chen, PhD (Director of Clinical Genome Informatics, Icahn School of Medicine at Mount Sinai)

2:50 – 3:05 **Trans-ethnic Association Analysis of Hemoglobin A1c (A1C) using TOPMed Whole Genome Sequence (WGS) Data [Oral Abstract]**
Chloé Sarnowski, Ph.D. (Boston University School of Public Health)

Session B2:	Aging and the Brain	<i>Manhattan Ballroom (Lobby Level)</i>
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3:05 – 3:30 *Moderator: Cornelia van Duijn, PhD and Myriam Fornage, PhD*

3:05 – 3:25 **Seeking Genetic Clues to Accelerate Dementia Prevention and Treatment: Rare Variants, Omics and Systems Biology**
The Alzheimer Disease Sequencing and Accelerated Medicines Partnership
Sudha Seshadri, MD (Boston University School of Medicine)

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3:25 – 3:40 **Genetic Determinants of MRI Subcortical Brain Structures: 20 novel loci identified through GWAS in 30,000 individuals** [Oral Abstract]
Claudia L. Satizabal, Ph.D. (Boston University School of Medicine)

3:40 – 4:05 *Afternoon Break* *Manhattan Ballroom Foyer (Lobby Level)*

Session B3: The Future of Publishing in Genomics	<i>Manhattan Ballroom (Lobby Level)</i>
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4:05 – 5:00 *Moderator: Vasan Ramachandran, MD and James G. Wilson, MD*

Panelists:

Orli Bahcall, PhD, MSc (Senior Editor of Nature)

W. Gregory Feero, MD, PhD (Associate Editor of the Journal of the American Medical Association)

Christopher H. Newton-Cheh, MD, MPH (Editorial board, Circulation: Cardiovascular Genetics; Associate Editor: Journal of the American College of Cardiology)

Poster Session / Reception	<i>Mezzanine</i>
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5:15 – 7:00 Hors d'oeuvres and cash bar

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Friday, March 24th

8:00 – 12:00 Registration *Manhattan Ballroom Foyer (Lobby Level)*

8:00 – 9:00 Commons WG meeting (Boerwinkle) *Executive Boardroom 11
(14th Floor)*

Session C1:	Functional Characterization of Genetic Epidemiology Findings	<i>Manhattan Ballroom (Lobby Level)</i>
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9:00 – 10:20 *Moderator: Stephen S. Rich, PhD and Andrew Johnson, PhD*

9:00 – 9:20 **GWAS & Functional Biology Reveal Novel Regulators of VWF and Thrombosis**
Charles J. Lowenstein, MD (University of Rochester School of Medicine and Dentistry)

9:20 – 9:40 **A Novel Genetic Determinant of Human Aortic Atherosclerotic Disease and Regulator of Vascular Smooth Muscle Cell Phenotype**
Rajeev Malhotra, MD, MS (Harvard Medical School)

9:40 – 10:00 **Translating the Genetics of AF: From Associations to Mechanisms**
Patrick Ellinor, MD, PhD (Massachusetts General Hospital; Broad Institute)

10:00 – 10:20 **Enhancer Mechanism of Aging and Aging-Related Disease**
Yousin Suh, PhD (Albert Einstein College of Medicine)

Keynote:	Implementing Pharmacogenomics into Clinical Practice
10:20 – 10:50	Munir Pirmohamed, MB ChB (Hons), PhD, FRCP, FRCP(E), FBPhS, FMedSci (University of Liverpool)

10:50 – 11:15 *Morning Break* *Manhattan Ballroom Foyer*

Session C2:	Working Group Presentations	<i>Manhattan Ballroom (Lobby Level)</i>
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11:15 – 12:00 *Moderator: Alanna Morrison, PhD and Jerome Rotter, MD*

11:15 – 11:30 **A Genome-Wide Interaction Analysis of Tri/Tetracyclic Antidepressants and RR and QT Intervals [Oral Abstract]**
Raymond Noordam, Ph.D. (Leiden University Medical Center)

11:30 – 11:45 **Discovery and Fine-Mapping of Type 2 Diabetes Susceptibility Loci Across Diverse Populations [Oral Abstract]**
Andrew Morris, Ph.D. (University of Liverpool)

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11:45 – 12:00 **Novel Genetic Loci for Blood Pressure Regulation Identified by the Analysis of DNA Methylation** [Oral Abstract]
Melissa Richard, Ph.D. (The University of Texas Health Science Center at Houston)

Awards Ceremony	<i>Manhattan Ballroom (Lobby Level)</i>
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12:00 – 12:15 Josh Bis, PhD (University of Washington)

Closing Remarks	<i>Manhattan Ballroom (Lobby Level)</i>
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12:15 – 12:20 Robert C. Kaplan, Ph.D. (Albert Einstein College of Medicine)

Lunch Buffet	<i>(Mezzanine and Lobby Level)</i>
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12:20 – 1:30

Session D: Individual Working Group Meetings	
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1:30 – 2:30	Diabetes (Meigs)	<i>Park Ave (Mezzanine Level)</i>
	Microbiome (Kraaij)	<i>Chrysler (Mezzanine Level)</i>
	Lipids (Peloso)	<i>Regency (Mezzanine Level)</i>

2:30 – 3:30	Diabetes (Meigs)	<i>Park Ave (Mezzanine Level)</i>
	Analysis (Brody)	<i>Chrysler (Mezzanine Level)</i>
	Dementia (Seshadri)	<i>Regency (Mezzanine Level)</i>

3:00 – 3:30 *Afternoon Break* *Manhattan Ballroom Foyer (Lobby Level)*

3:30 – 4:30	Pulmonary (London)	<i>Park Ave (Mezzanine Level)</i>
	OPEN	<i>Chrysler (Mezzanine Level)</i>
	OPEN	<i>Regency (Mezzanine Level)</i>