

7TH WORLD CONGRESS ON RETT SYNDROME

BASIC RESEARCH SYMPOSIUM

JUNE 24 – 26, 2012

SUNDAY, JUNE 24, 2012	
5:30 – 6:00pm	COCKTAIL RECEPTION – <i>La Salle Ballroom B & C</i>
6:00 – 7:25pm	WELCOME RECEPTION DINNER – <i>La Salle Ballroom A</i>
7:25 – 7:30pm	Opening Remarks / Meeting & Session Overview – Huda Y. Zoghbi, MD, Baylor College of Medicine & Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University
KEYNOTE ADDRESS: <i>12 YEARS SINCE MECP2 DISCOVERY: PAST, PRESENT, FUTURE</i> Keynote Speaker: Huda Y. Zoghbi, MD, Baylor College of Medicine & Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University	
7:30 – 8:30pm – <i>La Salle Ballroom A</i>	
8:30pm	Close Sunday Program & Cocktail Invitation – Huda Y. Zoghbi, MD, Baylor College of Medicine & Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University
9:00 – 10:00pm	Cocktail Reception – <i>La Salle Ballroom B & C</i>

MONDAY, JUNE 25, 2012	
7:30 – 8:30am	BREAKFAST – <i>Pan Am Conference Center Auditorium Reception Area</i>
I. BACKGROUND OF MECP2 AND NEUROGLIAL BIOLOGY Chair: Nathaniel Heintz, PhD, The Rockefeller University 8:30 – 11:55am Pan Am Conference Center Auditorium	
8:30 – 8:35am	Session Overview
8:35 – 9:00am	<i>The molecular basis of Rett Syndrome</i> Adrian Bird, PhD, University of Edinburgh
9:00 – 9:25am	<i>Activity-Dependent Phosphorylation of MeCP2 T308 Regulates Interaction with NCoR-HDAC3 Co-Repressor Complex</i> Daniel Ebert, MD, PhD, Harvard Medical School
9:25 – 9:50am	<i>When and why must the brain have MeCP2?</i> Nurit Ballas, PhD, Stony Brook University
9:50 – 10:15am	<i>MeCP2 Interacting Partners in Development and Rett Syndrome</i> Mary Donohoe, PhD, Burke Medical Research Institute/Weill Cornell Medical College
10:15 – 10:35am	MORNING BREAK – <i>Pan Am Conference Center Auditorium Reception Area</i>
10:35 – 11:00am	<i>Circuit tuning during developmental critical periods</i> Carla J. Shatz, PhD, Stanford University
11:00 – 11:25am	<i>Development of a Sensory Circuit in Mecp2 Null Mice</i> Chinfai Chen, MD, PhD, Children's Hospital Boston
11:25am – 11:55am	Discussion – Chair: Nathaniel Heintz, PhD, The Rockefeller University
12:00 – 1:30pm	LUNCH – <i>Vieux Carre</i>

II. NEUROBIOLOGY OF RETT SYNDROME

Co-Chairs: Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University and Carla J. Shatz, PhD, Stanford University

1:30 – 4:50pm Pan Am Conference Center Auditorium

1:30 – 1:35pm	Session Overview
1:35 – 2:00pm	<i>Modeling Rett Syndrome with Genetically Modified Mice</i> Zhaolan (Joe) Zhou, PhD, University of Pennsylvania, School of Medicine
2:00 – 2:25pm	<i>Functions of Stimulus-Induced MeCP2 Phosphorylation</i> Qiang Chang, PhD, University of Wisconsin – Madison
2:25 – 2:50pm	<i>The Functions of 5-hydroxymethylcytosine in the Nervous System</i> Nathaniel Heintz, PhD, Rockefeller University
2:50 – 3:15pm	<i>Neuronal activity-induced changes of DNA methylome in neurons</i> Hongjun Song, PhD, The Johns Hopkins University School of Medicine
3:15 – 3:30pm	AFTERNOON BREAK – Pan Am Conference Center Auditorium Reception Area
3:30 – 3:55pm	<i>A Large-Scale RNA Interference Screen Reveals an Ordered Pathway that Directs Mammalian X Chromosome Inactivation</i> Michael Green, MD, PhD, University of Massachusetts Medical School
3:55 – 4:20pm	<i>MeCP2 regulates maturation of GABAergic circuitry in the primary visual cortex</i> Keerthi Krishnan, PhD, Cold Spring Harbor Laboratory
4:20 – 4:50pm	Discussion –Co-Chairs: Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University and Carla J. Shatz, PhD, Stanford University
4:50pm	Close Monday Program & Cocktail Invitation – Huda Y. Zoghbi, MD, Baylor College of Medicine & Gail Mandel, PhD, Vollum Institute, Oregon Health & Science University
5:00 – 6:30pm	Cocktail Reception – <i>Le Salon</i>
6:30 – 8:00pm	Banquet Dinner – <i>La Salle Ballroom A</i>
8:00 – 10:00pm	Dessert & Poster Session – <i>La Salle Ballroom B & C</i>

TUESDAY, JUNE 26, 2012

7:00 – 8:00am	BREAKFAST – <i>Pan Am Conference Center Auditorium Reception Area</i>
III. <i>NEW DISCOVERIES IN RETT SYNDROME RESEARCH</i> Co-Chairs: Nurit Ballas, PhD , Stony Brook University and Jeffrey Neul, MD, PhD , Baylor College of Medicine and Jan and Dan Duncan Neurological Research Institute at Texas Children’s Hospital	
8:00 – 11:20am Pan Am Conference Center Auditorium	
8:00 – 8:05am	Session Overview
8:05 – 8:30pm	<i>Rescuing respiratory arrhythmias in a mouse model of Rett Syndrome</i>
	Ana Abdala, MSc, PhD, Bristol University
8:30 – 8:55pm	<i>Immune alterations may underlie Rett pathology</i>
	Johnathan Kipnis, PhD, University of Virginia
8:55 – 9:20pm	<i>Phenotypic reversal in models of Rett Syndrome</i>
	Stuart Cobb, PhD, University of Glasgow
9:20 – 9:40am	MORNING BREAK – <i>Pan Am Conference Center Auditorium Reception Area</i>
9:40 – 10:05am	<i>Readthrough of Nonsense-Mutations in Rett Syndrome: an update</i>
	Peter Huppke, MD, University of Göttingen
10:05 – 10:30am	<i>A role for astrocytes in memory consolidation</i>
	Christina Alberini, PhD, Center for Neural Science, New York University
10:30 – 10:55am	<i>Genetic suppressors of mouse Mecp2 identify pathways in disease pathogenesis</i>
	Monica J. Justice, PhD, Baylor College of Medicine
10:55 – 11:20am	Discussion – Co-Chairs: Nurit Ballas, PhD , Stony Brook University and Jeffrey Neul, MD, PhD , Baylor College of Medicine and Jan and Dan Duncan Neurological Research Institute at Texas Children’s Hospital
11:20am – 12:25pm	Wrap-Up - Huda Y. Zoghbi, MD , Baylor College of Medicine & Gail Mandel , Vollum Institute, Oregon Health & Science University, Steve Kaminsky, PhD , International Rett Syndrome Foundation
12:30pm	Close Tuesday Program
12:30pm	BOXED LUNCH – <i>Vieux Carre</i>