

10TH ANNUAL IRSF SCIENTIFIC SYMPOSIUM

SUNDAY, JUNE 28, 2009

5:00 – 6:00pm	WELCOME RECEPTION – Our Presenting Sponsor: Optronics
6:00 – 7:15pm	DINNER & OPENING REMARKS - Antony Horton, PhD, Chief Scientific Officer, International Rett Syndrome Foundation
7:25 – 7:30pm	Meeting & Session Overview – David M. Katz, PhD, Case Western School of Medicine & Monica J. Justice, PhD, Baylor College of Medicine
I. KEYNOTE ADDRESS: NATURE, NURTURE AND TUNING UP BRAIN CIRCUITS Keynote Speaker: Carla Shatz, PhD, Stanford University	
7:30 – 8:30pm	
8:30 – 8:40pm	Close Sunday Program - David M. Katz, PhD, Case Western School of Medicine & Monica J. Justice, PhD, Baylor College of Medicine
8:40 – 9:40pm	Cocktail Reception

MONDAY, JUNE 29, 2009

8:00 – 9:00am	BREAKFAST – BURNHAM DINING ROOM
I. IDENTIFYING MeCP2 FUNCTION(S) Co-Chairs: Huda Y. Zoghbi, MD, Baylor College of Medicine & Yi Sun, PhD, University of California – Los Angeles Our Presenting Sponsor: Optronics	
9:00 – 9:05pm	Session Overview – Huda Y. Zoghbi, MD, Baylor College of Medicine & Yi Sun, PhD, University of California – Los Angeles
9:05 – 9:30am	Gene Regulation by MeCP2 Yi Sun, PhD, University of California – Los Angeles
9:30 – 9:55am	Investigating the Role of MeCP2 in Neurons Pete Skene, PhD, University of Edinburgh
9:55 – 10:10am	MORNING BREAK
10:10 – 10:25am	The Interaction Between MeCP2 with the Nucleosome Karolin Luger, PhD, Colorado State University
10:25 – 10:50am	Cell Type-Specific Dysregulation of Cell Adhesion Genes in a Mouse Model of Rett Syndrome Ken Sugino, PhD, Brandeis University
10:50 – 11:30am	Discussion - Co-Chairs: Huda Y. Zoghbi, MD, Baylor College of Medicine & Yi Sun, PhD, University of California – Los Angeles
11:30am – 12:30pm	LUNCH
II. PATHOPHYSIOLOGY OF RETT SYNDROME Chair: David M. Katz, PhD, Case Western School of Medicine	
12:30 – 12:35pm	Session Overview – David M. Katz, PhD, Case Western School of Medicine
12:35 – 1:00pm	Using Embryonic Stem Cells to Study Neuronal Function and Dysfunction Yves-Alain Barde, PhD, University of Basel
1:00 – 1:25pm	Identification of new MeCP2 Target Genes / Candidates in Developing Cerebral Cortex Interhemispheric Projection Neurons Jeffrey D. Macklis, PhD, Massachusetts General Hospital
1:25 – 1:50pm	Norepinephrine and Respiratory Dysfunction in Mouse Models of RTT Jan-Marino Ramirez, PhD, Seattle Children's Hospital

1:50 – 2:15pm	The Role of MeCP2 and HDACs in Regulating Synapse Function Lisa Monteggia, PhD, University of Texas Southwestern Medical Center - Dallas
2:15 – 2:30pm	AFTERNOON BREAK
III. PHENOTYPIC VARIABILITY AND GENETIC MODIFIERS OF DISEASE Chair: Monica J. Justice, PhD, Baylor College of Medicine Our Presenting Sponsor: PsychoGenics, Inc.	
2:30 – 2:35pm	Session Overview – Monica J. Justice, PhD, Baylor College of Medicine
2:35 – 3:00pm	A Screen for Genetic Suppressors of Rett Syndrome in the Mouse Monica J. Justice, PhD, Baylor College of Medicine
3:00 – 3:25pm	Transgenerational Epistasis: Interacting Genes in Different Generations in Mouse Models of Human Disease Joseph Nadeau, PhD, Case Western School of Medicine
3:25 – 3:50pm	Using Behavioral Phenotyping to Analyze Mouse Models of Human Disease Richard Paylor, PhD, Baylor College of Medicine
3:50 – 4:20pm	Discussion - Panelists: Monica J. Justice, PhD, Baylor College of Medicine, Joseph Nadeau, PhD, Case Western School of Medicine & Richard Paylor, PhD, Baylor College of Medicine
5:00pm	Close Monday Program
5:00 – 6:00pm	Cocktail Reception & Poster Session
6:00pm – 7:30pm	Banquet Dinner /Family Address – Chris Kolendrianos
7:30pm –	Cocktail Reception

TUESDAY, JUNE 30, 2009	
8:00 – 9:00am	BREAKFAST – BURNHAM DINING ROOM
IV. TREATMENT STRATEGIES Co-Chairs: John McCall, PhD, PharMac, LLC & Alan P. Kozikowski, PhD, University of Illinois, Chicago Our Presenting Sponsor: Optronics	
9:00 – 9:05am	Session Overview – John McCall, PhD, PharMac, LLC
9:05 – 9:30am	Deficits in Synapse Maturation and their Therapeutic Reversal in a Mouse Model of Rett Syndrome Mriganka Sur, PhD, Massachusetts Institute of Technology
9:30 – 10:00am	The Role of Brain-Derived Neurotrophic Factor in HD Chiara Zuccato, PhD, University of Milan
10:00 – 10:25am	Suppression of Nonsense Mutations in Rett Syndrome by Aminoglycoside Antibiotics in an In Vitro System Peter Huppke, MD, University of Göttingen
10:25 – 10:40am	MORNING BREAK
10:40am – 11:05pm	EOS Lentivector Selection of Mouse and Human Rett Syndrome iPS Cells James Ellis, PhD, University of Toronto
11:05 – 11:30pm	Global Delivery of Adeno-Associated Virus (AAV) to the CNS: Implications for Rett Syndrome Gene Therapy Steven Gray, PhD, University of North Carolina – Chapel Hill
11:30 – 12:00pm	Discussion - Co-Chairs: John McCall, PhD, PharMac, LLC & Alan P. Kozikowski, PhD, University of Illinois – Chicago
12:00 – 12:05pm	Closing Remarks: Antony Horton, PhD, Chief Scientific Officer, International Rett Syndrome Foundation
12:05pm	End of Tuesday Program