2007 PARENTAL BRAIN CONFERENCE

Back Bay Hilton Hotel – Boston, Massachusetts

"Program at a Glance"

Thursday, June 7, 2007

2:00 – 7:00 PM	Registration
7:00 - 7:15	Opening Welcome (Dr. Bridges & Dean Kochevar)
7:15 - 8:15	Keynote Lecture – David R. Rubinow, MD, "Postpartum Depression: Context-Dependent Effects of Reproductive Steroids" (Sponsor: Tufts University, Vice-Provost Office for Research)
8:15 - 10:00	Reception – Music by the Arneis Ensemble
<u>Friday, June 8, 2007</u>	
7:30 – 8:00 AM	Continental Breakfast
8:00 - 8:15	Welcome
8:15 - 10:00	Symposium 1 - Neural Systems & Maternal Behavior – I (Chair: Bob Bridges; Sponsor: Boston College)
	Michael Numan, "Hypothalamic Interaction with the Mesolimbic Dopamine System and the Regulation of Maternal Responsiveness"
	Joan I. Morrell, "Maternal Motivation During the Postpartum Period"
	Craig Ferris, "Imaging Brain Activity Associated with Pup Suckling"
10:00 - 10:20	Coffee Break
10:20 – 12:40	Symposium 2 – Neural Systems & Maternal Behavior – II (Chair: Phyllis Mann; Sponsor: NIDA)
	Luciano Felicio, "Maternal Choices: Neural Mediation - Caring for Young or Hunting?"

Frédéric Lévy, "Neural Networks Involved in the Onset of Maternal Behavior in Sheep"

Dario Maestripieri, "The Role of the Brain Serotonergic System in the Origin and Transmission of Adaptive and Maladaptive Variations in Maternal Behavior in Rhesus Macaques"

Jeffrey P. Lorberbaum, "Regional Brain Activity in Parents Listening to Infant Cries"

Lunch & Poster Session

Symposium 3 - Maternal Aggression, Stress & Anxiety/Depression – I

(Chair: Inga Neumann; Sponsor: The Heinz Family Philanthropies)

Oliver J. Bosch, "Brain Oxytocin and Vasopressin Regulate Maternal Behavior and Aggression: Link to Mom's Anxiety"

Stephen C. Gammie, "Maternal Aggression Links to Anxiety and Depression: Possible Common Roles for CRF and Related Peptides"

Haruhiro Higashida, "CD38-Dependent Oxytocin Release on Social ...

3:55 - 4:10

12:40 - 2:10 PM

2:10 - 3:55

4:10 - 5:55

6:00 – late

Coffee Break

Symposium 4 - Maternal Aggression, Stress & Anxiety/Depression – II (Chair: Judith Stern; Sponsor: NIMH)

Joseph Lonstein, "Infant Cues, Neurochemistry, and Postpartum Anxiety"

Inga D. Neumann, "Brain Oxytocin and Prolactin: Anxiolytic and Anti-Stress Effects during Pregnancy and Lactation"

Eydie L. Moses-Kolko, "Measurement of Striatal Dopamine-2 Receptor Binding in Postpartum Depression Using Positron Emission Tomography"

Boston at Night

Saturday, June 9, 2007

7:00 – 8:00 AM

8:00 - 10:20

Continental Breakfast

Symposium 5 – Neuropeptide Regulation and Actions during Pregnancy and Lactation (Chair: Dave Grattan; Sponsor: NICHD)

Marc Freeman, "Biological and Mathematical Modeling Approaches to Defining the Role of Oxytocin and Dopamine in the Control of Mating-Induced Prolactin Secretion"

Gloria Hoffman, "Transmitter Changes in the Neuroendocrine Regulation of Prolactin During Lactation"

Luz Torner, "Role of Prolactin in the Behavioral and Neuroendocrine Stress Adaptations During Lactation"

Symposium 6 - The Energetics of Motherhood

Alison J. Douglas, "Switching on Oxytocin Neurons Perinatally"

Coffee Break

During Pregnancy"

10:35 – 12:55 PM

10:20 - 10:35

12:55 - 2:15

2:15 - 4:00

ASN -

Montreal, Canada) David R. Grattan, "Mechanisms of Hypothalamic Leptin Resistance

(Chair: John Russell; Sponsor: The "Mother-Infant Conference"

Barbara Woodside, "Interactions between Prolactin and the Neural Pathways Controlling Energy Balance"

Claire-Dominique Walker, "Perinatal High Fat Feeding of the Mother Induces Long-Term Changes in the Mesocorticolimbic Dopamine System of the Offspring"

John D. Buntin, "Energetics of Parenting in an Avian Model: Hormones and Neuropeptides Regulating Parental Provisioning in Doves."

Lunch and Poster Session

Symposium 7 - Individual Variations in Maternal Behavior: from Genes to Experience - I

(Chair: Joe Lonstein; Sponsor: British Society for Neuroendocrinology)

James P. Curley, "Behavioral and Neuroendocrine Consequences of Parent-of-Origin Effects"

Larry Young, "Oxytocin, Vasopressin, and Individual Variation in Parental Care in Prairie Voles"

Symposium 8 – Individual Variations in Maternal Behavior:

Cort A. Pedersen, "Oxytocin and Mothers' Developmental Effects on

Naomi Popeski, "Neural Activation as a Function of Adversity in

Jenae M. Neiderhiser, "Genetic and Environmental Influences on Mothering: The Role of Mother's Genes and Child's Genes"

Banquet & Talk "Bringing Forth the Next Generation, and the Next" Professor John Russell, PhD, University of Edinburgh, Edinburgh, Scotland. (Sponsor: Tufts University, Cummings

from Genes to Experience - II

Francis A. Champagne, "Epigenetic Mechanisms and the Transmission of Maternal Care Across Generations"

(Chair: Larry Young; Sponsor: NIMH)

4:00 - 4:15

4:15 - 6:00

7:00 PM

School of Veterinary Medicine)

Coffee Break

Their Daughters"

Human Mothers"

Sunday, June 10, 2007

7:00 - 8:00 AM

8:00 - 8:45

8:45 - 10::30

Continental Breakfast

Plenary Lecture – Sarah Blaffer Hrdy, "Cooperative Breeding and the Paradox of Facultative Fathering in the Human Species" (Sponsor: Center for Behavioral Neuroscience, Georgia State University)

Symposium 9 – Alternate Patterns of Parental Care (Chair: Jay Rosenblatt; Sponsor: Tufts University, Cummings School of Veterinary Medicine)

Jeffrey A. French, "Family Life in Marmosets: Causes and Consequences of Variation in Care Giving"

Sue Carter, "The Making of a Monogamous Mammal: Early Experience and the Developmental Programming of Oxytocin and Vasopressin" Kelly G. Lambert, "The Adaptive Nature of Parental-Induced Neurobiological Modifications: Consideration of Enhanced Resilience in Maternal and Paternal Rodent Models"

10:30 - 10:45

Coffee Break

10:45 – 1:05 PM

Symposium 10 – Biparental Care: Neural and Physiological Mechanisms

(Chair: Geert DeVries; Sponsor: NIMH)

Catherine A. Marler, "The Effects of Paternal Behavior on Offspring Aggression and Hormones in the Biparental California Mouse"

Jon Levine, "Fathers Behaving Badly: Role of Progesterone Receptors"

Katherine A Wynne-Edwards "From Dwarf Hamster to Daddy: Neuroendocrine Substrates for Paternal Behavior"

Zuoxin X. Wang, "The Monogamous Male Brain"

Lunch

1:50 - 4:10

1:05 - 1:50

Symposium 11 – Neuroplasticity and Reproductive Experience (Chair: Craig Kinsley; Sponsor: University of Richmond)

Dionysia T. Theodosis, "Neuronal-Glial Plasticity and Reproduction"

Elizabeth M. Byrnes, "Neuroendocrine and Behavioral Adaptations Following Reproductive Experience in the Female Rat"

Liisa A. Galea, "Reproductive Experience Affects Hippocampal Function and Morphology"

Alison Fleming, "Plasticity in the Maternal Circuit: Experience, Dopamine, and Mothering"

4:10-4:20

Closing Remarks