

PRESENTER BIO-SKETCHES



Randi I. Hagerman, M.D., is a developmental and behavioral pediatrician who is the Tsakopoulos-Vismara Chair in Pediatrics at the University of California at Davis, Medical Center. She is also the medical director of the Medical Investigation of Neurodevelopmental Disorders (M.I.N.D.) Institute. She is an internationally recognized clinician and researcher in developmental and behavioral pediatrics and her area of expertise is fragile X syndrome. She has spent over 20 years doing clinical work and research regarding this syndrome, particularly in molecular clinical correlations and treatment endeavors. She has written several books on fragile X syndrome, including a third edition of *Fragile X Syndrome: Diagnosis, Treatment and Research*, which was published in 2002 by Johns Hopkins University Press. She also wrote *Neurodevelopmental Disorders: Diagnosis and Treatment* (1999, Oxford University Press), which covers a broad array of disorders that impact cognitive development and behavior and documents multidisciplinary interventions including medical, psychopharmacological and educational treatments. Dr. Hagerman co-founded the National Fragile X Foundation in Denver, Colorado, in 1984 and presently, is on the board and the Scientific and Clinical Advisory Committee of the National Fragile X Foundation. She is also a scientific adviser to the Conquer Fragile X Foundation and is on the advisory board of both the Northern and the Southern California Fragile X Associations.



Paul J. Hagerman, M.D., Ph.D., is a professor of biological chemistry and a M.I.N.D. Institute investigator at the University of California at Davis, School of Medicine. Dr. Hagerman's research interests are in the areas of nucleic acid biochemistry and molecular genetics, with a particular emphasis on the neurodevelopmental disorders fragile X syndrome and autism. His lab has made a number of important observations related to the mechanism of gene expression of the fragile X (*FMR1*) gene, one of a growing number of neurodevelopmental or neurodegenerative disorders that involve expanded trinucleotide repeats. The lab has observed that carriers of moderately expanded alleles of the *FMR1* gene are actually expressing much more message than normal, despite lowered protein levels. This observation has established that the mechanism of clinical involvement among carriers is not simply due to gene inactivation, but is due to an impediment to translation. Recently, the Hagerman group has discovered a neurodegenerative disorder, fragile X-associated tremor/ataxia syndrome (FXTAS), among fragile X carriers. They have established that FXTAS is an inclusion disorder, with numerous intranuclear inclusions found throughout the brains of affected individuals. In addition, Dr. Hagerman is director of the NIEHS-funded Expression Microarray Core for the UC Davis Center for Children's Environmental Health. The core is part of a major effort to identify the genetic and environmental causes of autism.



Dedicated to the advancement of knowledge about human development, developmental disabilities, and neurodegenerative diseases.

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WAISMAN CENTER **CELEBRATING 30 YEARS**



SYMPOSIUM & RECEPTION

WEDNESDAY, OCTOBER 8, 2003

WAISMAN CENTER

1500 HIGHLAND AVENUE

UNIVERSITY OF WISCONSIN-MADISON

SYMPOSIUM

1:00 P.M. TO 5:30 P.M., AUDITORIUM • ROOM S107, WEST ANNEX

1:00–1:15 p.m.

Introduction to 30th Anniversary

Marsha Mallick Seltzer, Ph.D., Waisman Center Director

1:15–2:00 p.m.

“Mental Retardation/Developmental Disabilities Research: Past, Present, Future”

Presenter: Duane Alexander, M.D., Director, National Institute of Child Health and Human Development

2:00–3:00 p.m.

“Growing Up Poor in the United States: Research, Policy, Practice”

Presenter: Jeanne Brooks-Gunn, Ph.D., the Virginia and Leonard Marx Professor of Child Development and Education at Teachers College, Columbia University
Introduction: Leonard Abbeduto, Ph.D., Waisman Center Associate Director, Behavioral Sciences

3:00–3:15 p.m.

Break

3:15–4:15 p.m.

“Autism—A Disorder of the Social Brain”

Presenter: Thomas R. Insel, M.D., Director, National Institute of Mental Health
Introduction: Richard Davidson, Ph.D., Director, Keck Lab for Functional Brain Imaging and Behavior, Waisman Center

4:15–4:30 p.m.

Break

4:30–5:45 p.m.

“Neurodevelopment to Neurodegeneration: Two Faces of the Fragile X Gene”

Presenters: Randi J. Hagerman, M.D., Medical Director of the M.I.N.D. Institute, Tsakopoulos-Vismara Chair in Pediatrics, University of California, Davis; and Paul Hagerman, M.D., Ph.D., Professor of Biological Chemistry and a M.I.N.D. Institute Investigator at the University of California, Davis, School of Medicine
Introduction: Albee Messing, V.M.D., Ph.D., Waisman Center Associate Director, Biological Sciences

5:45–6:00 p.m.

Break

CEREMONY

6:00 P.M., AUDITORIUM • ROOM S107, WEST ANNEX

Ceremony Speakers

Marsha Mallick Seltzer, Ph.D., Waisman Center Director

John D. Wiley, Ph.D., Chancellor

Duane Alexander, M.D., Director, National Institute of Child Health and Human Development

Roberta Gassman, Secretary, Wisconsin Department of Workforce Development

Martin Cadwallader, Ph.D., Dean of the Graduate School

RECEPTION

6:30 P.M., MAIN LOBBY

PRESENTER BIO-SKETCHES



Duane Alexander, M.D., is director of the National Institute of Child Health and Human Development at the National Institutes of Health in Bethesda, Maryland. As director of the institute, he oversees programs relating to the reproductive, developmental, rehabilitative, and behavioral processes that determine the health of children, adults, families, and populations. He earned his B.S. degree at Pennsylvania State University in 1962 and his M.D. at the Johns Hopkins University School of Medicine in 1966, where he also did his residency in pediatrics and a fellowship in developmental disabilities at the John F. Kennedy Institute. Dr. Alexander has also served as medical officer in the Office of the Assistant Secretary for Health in what is now the Department of Health and Human Services and as staff physician for the National Commission for the Protection of Human Subjects of Biomedical & Behavioral Research. He is a diplomate of the American Board of Pediatrics (1973) and a member of the American Academy of Pediatrics, the American Pediatric Society, the Society for Developmental Pediatrics, and the Association for Retarded Citizens. He has authored numerous papers and book chapters, most relating to his research in developmental disabilities.



Jeanne Brooks-Gunn, Ph.D., is the Virginia and Leonard Marx Professor of Child Development and Education at Teachers College, and the College for Physicians and Surgeons, Columbia University. She directs the National Center for Children and Families at Columbia University's Teachers College and the Columbia University Institute for Child and Family Policy. Specializing in policy-oriented research that focuses on family and community influences on the development of young children, her research centers on designing and evaluating interventions and policies aimed at enhancing the well-being of children living in poverty and associated conditions. She is conducting the national evaluation of the Early Head Start program, and the middle childhood and adolescent follow-up of the Infant Health and Development Program. She is a scientific director of the Project on Human Development in Chicago Neighborhoods and is a co-principal investigator of the Fragile Families and Child Well-Being Study. She is the recipient of numerous awards, including the Urie Bronfenbrenner Award for lifetime contribution to developmental psychology in the areas of science and society from the American Psychological Association, the Nicholas Hobbs Award from the American Psychological Association, and the Jon B. Hill Award from the Society for Research in Child Development. She has authored 17 books and more than 400 articles.



Thomas Insel, M.D. is director of the National Institute of Mental Health (NIMH), the component of the National Institutes of Health charged with generating the knowledge needed to understand, treat, and prevent mental disorders. Dr. Insel sees as priorities for NIMH the discovery of susceptibility genes and diagnostic biomarkers for the major mental disorders; research that will lead to a reduction in suicide; enhanced behavioral strategies for reducing HIV/AIDS transmission; and the elucidation of causal risk processes that will enable prevention of mental disorders. Immediately prior to his appointment as director, Dr. Insel was professor of psychiatry at Emory University where he was founding director of the Center for Behavioral Neuroscience and concurrently, director of an NIH-funded Center for Autism Research. From 1994 to 1999, he was director of the Yerkes Regional Primate Research Center in Atlanta. This work established his place on the ISI's list of the 200 most frequently cited neuroscientists in the 1990s. Dr. Insel serves on numerous academic, scientific, and professional committees, including 10 editorial boards, and is a fellow of the American College of Neuropsychopharmacology. Dr. Insel graduated from the combined B.A.-M.D. program at Boston University in 1974. He did his internship at Berkshire Medical Center, Pittsfield, Massachusetts, and his residency at the Langley Porter Neuropsychiatric Institute at the University of California, San Francisco.

(BIO-SKETCHES CONTINUED ON BACK)