

CURRICULUM VITAE

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Place of Birth: Sheffield, Alabama

Education:

1967 B.A. Duke University (Psychology) Summa Cum Laude
1974 Ph.D. Harvard University (Developmental Psychology)

Postdoctoral Training:

1974-1977 NICHD Post-doctoral Research Fellow
Department of Child Psychiatry, Boston University School of Medicine
1975-1977 Post-Doctoral Fellow in Clinical Psychology
University Health Service, Harvard University

Faculty Academic Appointments:

1970-1974 Teaching Fellow and Tutor, Department of Psychology and Social Relations,
Harvard University
1972-1973 Clinical Intern in Psychology, Harvard medical School Department of Psychiatry
at McLean Hospital
1973-1974 Clinical Fellow in Psychology, Harvard Medical School Department of Psychiatry
at McLean Hospital
1974-1977 Postdoctoral Fellow in Psychiatry (Psychology), Department of Child Psychiatry,
Boston University Medical School
1975-1977 Clinical Fellow in Psychology, University Health Service, Harvard University
1977-1988 Instructor in Psychology, Harvard Medical School Department of Psychiatry at
the Cambridge Hospital

- 1988-1989 Herman Dunlop Smith Fellow, Mary Ingraham Bunting Institute, Radcliffe College, Harvard University.
- 1989-1990 Affiliate Scholar, Henry A. Murray Research Institute, Radcliffe College, Harvard University
- 1988-1993 Assistant Professor of Psychology in the Department of Psychiatry, Harvard Medical School Department of Psychiatry at the Cambridge Hospital
- 1994- Associate Professor of Psychology in the Department of Psychiatry, Harvard Medical School Department of Psychiatry at the Cambridge Hospital

Appointments at Hospitals/Affiliated Institutions:

- 1977- Staff Psychologist and Supervising Psychologist, Allied Health Professional Staff, Department of Psychiatry, Cambridge Health Alliance

Other Professional Positions:

- 1987-1989 Scientific Member, Advisory Panel on Family Support Programs, National Resource Center for Children in Poverty, Columbia University, Judith Jones PhD, Director
- 1989 Invited Participant, Protecting the Next Generation Faculty Seminars, Florence Heller Graduate School for Advanced Studies in Social Welfare, Brandeis University
- 2000 Consultation on AMBIANCE Coding to the Lab of Diane Benoit, M.D., Hospital for Sick Children, University of Toronto, Toronto, Ontario
- 2002 Consultation on AMBIANCE Coding to the Lab of Arietta Slade, Ph.D., Professor, Department of Psychology, City College of New York, NYC
- 2005 Consultation on AMBIANCE Coding to the Lab of Judit Gervai, Ph.D., Professor, Hungarian Academy of Sciences, Budapest, Hungary.
- 2005- Scientific Board Member, Scuola di Psicoterapia Cognitiva dell'Infanzia e dell'Adolescenza, Turin, Italy, G. Liotti, M.D., Scientific Director
- 2005- International Scientific Consultant, Mind, Brain, and Behavior Interdisciplinary Doctoral Program in the Life Sciences, University of Vienna, P. Giampieri, Professor, Chair.
- 2006 Consultation on AMBIANCE Coding to the Lab of Martha Cox, Ph.D., Professor and Director, Center for Developmental Science, University of North Carolina, Chapel Hill, NC
- 2007 Consultation on AMBIANCE Coding to the Lab of George Tarabulsky, Ph.D., Professor, Department of Psychology, Université Laval, Quebec, Canada
- 2008 Consultation on AMBIANCE Coding to the Lab of Antoine Guedeney, M.D., Professor, Department of Child & Adolescent Psychiatry, Hopital Bichat - Claude Bernard, Université Paris Diderot, Paris, France.
- 2008 Consultation on AMBIANCE Coding to the Lab of Isabel Soares, Ph.D., Professor, University of Minho, Braga, Portugal.
- 2008 Consultation to the Center for Developmental Science, University of North Carolina, Chapel Hill, NC, Martha Cox, Ph.D., Director.
- 2009 Consultation on AMBIANCE Coding to the Lab of Michelle Sled, Ph.D., Senior Researcher, Anna Freud Centre, University College, London

2009 Consultation on AMBIANCE Coding to the Lab of Lars Smith, Ph.D., Professor, Institute of Psychology, University of Oslo, Norway

Major Administrative Leadership Positions:

1978-1980 Director, Parenting Support Program, Neighborhood Health Centers. Cambridge Hospital
1980-1985 Director, Family Support Project
1993-2000 Co-director of Child Training in Psychology, Psychology Division, Cambridge Hospital

Committee Service:

Harvard Consolidated Department of Psychiatry

1993-1995 Member, Research Committee, Harvard Consolidated Department of Psychiatry, R. McCarley, M.D., S. Hauser, M.D. Co-Chairs
1994-1997 Member, Developmental Psychiatry Research Committee, Harvard Consolidated Department of Psychiatry, S. Hauser, M.D. Chair.

Cambridge Hospital Department of Psychiatry

1995-2001 Member, Research Committee, Cambridge Hospital Department of Psychiatry, R. Dorwart, M.D., Chair

National Organizations

2002-present Member, Research Education Committee, American Psychoanalytic Association, R. Emde, M.D., S. Hauser, M.D., Co-Chairs.
2005-2009 Member, Policy and Communications Committee, Society for Research in Child Development, M. Hyson, Ph.D., M. Zaslow, Ph.D., CoChairs

Professional Societies:

1974-present American Psychological Association, member
1974-present Society for Research in Child Development, member
1974-present Massachusetts Psychological Association, member
1983-present International Society for Infant Studies, member
1985-present Society for Life History Research in Psychopathology, member
1995-present World Association for Infant Mental Health, member
1998-present Association for Psychological Science, member
2001-present Society for Research in Adolescence, member

Grant Review Activities:

Ad-hoc Reviewer: 1988 – present

National Institute of Child Health and Human Development
NIMH Special Emphasis Panel: Translational Research in Borderline Personality Disorder
National Science Foundation
March of Dimes Foundation

William T. Grant Foundation
Israeli National Science Foundation
Better Homes Foundation

Editorial Activities:

Editorial Board Member

1988-89 Child Development
1999-2005 Developmental Psychology
1998-present Infant Mental Health Journal

Editorial Reviewer

1978-present Developmental Psychology
1979-present Child Development
1979-present Merrill-Palmer Quarterly
1987-present Infant Mental Health Journal
1989-present Developmental and Psychopathology
1990-present Psychoanalytic Psychology
1995-present Journal of Consulting and Clinical Psychology
1996-present Journal of Abnormal Child Psychology
1996-present Social Development
2005-present Archives of General Psychiatry
2008-present Psychiatric Genetics

Honors and Prizes:

1966, 1967 Phi Beta Kappa, Duke University
1967 Summa Cum Laude, General Motors Scholar, Duke University
1968 Graduate Prize Fellowship, Harvard University
1969-1974 National Institute of Mental Health Predoctoral Fellowships, Harvard University, Cambridge, MA
1974-1976 National Institute of Child Health and Human Development Postdoctoral Fellowship, Department of Child Psychiatry, Boston University School of Medicine
1981-1985 National Institute of Child Health and Human Development New Investigator Award, Department of Psychiatry, Harvard Medical School
1988-1989 Hermon Dunlap Smith Fellowship, Mary Ingraham Bunting Institute, Radcliffe College
1989-1990 Affiliate Scholar, Henry A. Murray Research Institute, Radcliffe College
1998- Fellow, American Psychological Association
2005 Teaching Award, MGH/McLean Child Psychiatry Division
2007-2010 Honorary Professorship, Department of Developmental Psychology, Heriot-Watt University, Edinburgh, Scotland
2009- Honorary member, American Psychoanalytic Association

Report of Funded and Unfunded Projects

Funding Information

Past Funding

- 1977-1978 NIMH #R03 MH 30434, Principal Investigator, Social Judgments of Preschool Children, \$5,000.
- 1978-1979 Polaroid Foundation, Principal Investigator, Pilot Project on Parent Education Groups for Low-Income Families with Young Children, \$1,200.
- 1979-1980 Loretto Literary and Benevolent Fund, Principal Investigator, Pilot Project on Parent Education Groups for Low-Income Families with Young Children, \$500.
- 1980-1981 Cambridge Foundation, Principal Investigator, Pilot Project on Parent Education Groups for Low-Income Families with Young Children, \$500.
- 1980-1984 NIMH #R01 MH 35122, Principal Investigator, Program Impact on Children of Mentally Ill Mothers, \$453,942.
- 1981-1985 NICHD #R01 HD15328 New Investigator Award, Principal Investigator, Social Problem Solving Skills of Preschool Children, \$89,130.
- 1986-1987 A.L. Mailman Foundation, Principal Investigator, Assessment of Disorganized/Disoriented Attachment Behavior Among Infants at Social Risk, \$19,498.
- 1988-1989 A.L. Mailman Foundation, Principal Investigator, From Birth to Five: Developmental Pathways of the Child at Social Risk, \$8,163.
- 1990-1991 Smith-Richardson Foundation, Principal Investigator. Assessing the Long-term Impact of a Home-visiting Program on Families with Infants, \$5,000.
- 1997-1999 Milton Fund, Harvard Medical School, Principal Investigator. An Adolescent Follow-up Study of Socially At-risk Infants with Disorganized Attachment Patterns, \$5,000.
- 1998-2000 Fund for Psychoanalytic Research, Principal Investigator. Parent-Child Problem-Solving and Attachment among Socially At-risk Adolescents: A Longitudinal Follow-up from Infancy, \$40,000.
- 2001-2006 NIMH #R01 MH062030, Principal Investigator. Psychopathology and Controlling Behavior in Adolescence, \$532,198.
- 2001-2006 NIMH #R01 MH59670, Co-Investigator, with R. Kobak, University of Delaware. Attachment and Risk in Early Adolescence, \$750,000.
- 2003-2006 NIH #R03 TW06014, Principal Investigator. Genetic and Caregiving Effects on Disordered Attachment, \$96,000.

2004-2005 Borderline Personality Disorder Research Foundation, Principal Investigator, Pilot Study of Genetic and Attachment Correlates of Adolescent Borderline Personality Disorder, \$5,000.

Current Funding

2007-2009 CIHR\2005\PP\22, Co-Investigator, Centre for Integrated Healthcare Research, Heriot-Watt University, UK. Early Detection of Mother/Infants at Risk of Developing Severe Attachment Problems: Developing a Cost-and-Time Effective Measure to Support the Work of NHS Health Visitors, £15,000.

2007-2010 NIH# R03 TW007656-01A1, Co-Investigator, with M. Sasvari-Szekely, Semmelweis University, Hungary. The Serotonergic System and Self- or Other-Damaging Behavior, \$100,000.

2008-2010 NIH# R21 MH078979-01A1, Co-Investigator, with D. Pizzagalli, Harvard University. Translational Measures of Anhedonia in Humans and Rats, \$430,276

2009 Chief Scientists Office (CSO) Research Grant, Health Department, Scottish Government, Co-Investigator. Predicting risk for mother/infant bonding problems from self-report measures delivered in the antennal phase, £45,615.

Report of Local Teaching and Training

Teaching of Students in Courses:

Department of Psychology, Faculty of Arts and Sciences, Harvard University

1970-1974 Weekly year-long sophomore Social Science Tutorial for psychology majors. Develop and teach. 3 hours weekly, 8-10 participants.

Formal Teaching of Residents, Clinical Fellows, and Research Fellows (post-docs):

Cambridge Health Alliance

1985-1987 Psychology Interns: Required Weekly Adult Psychotherapy Seminar, 9 trainees, 1.5 hours weekly, year-long.

1986- Third-year Psychiatry Residents: Child Development Course: Infancy and Toddlerhood, 3 Sessions, 1 hour each, 5-8 Residents.

1990-1993 First-year Child Psychiatry Fellows: Fundamentals of Child Psychiatry Course, Assessment of Infants and Preschoolers, 3 Hour Session, 5 Fellows.

1991-2000 First Year Psychiatry Residents: Clinical Theory Seminar, Developmental Theories of Bowlby and Mahler, 2 Sessions, 1 hour, 5-8 Residents.

- 1991-2001 Child Psychology Interns and Fellows: Required Weekly Child Psychopathology and Psychotherapy Seminar (with R. Siegel), 7-15 Trainees, 1 hour weekly, year-long.
- 1991- Psychology Interns: Core Psychology Seminar, Representation of Attachment Relationships in Infancy and Adulthood, 3 Sessions, 1 hour, 10 Interns.

Consolidated Department of Psychiatry, Harvard Medical School

- 1995- First-year Child Psychiatry Fellows (Cambridge Hospital/Massachusetts General Hospital/ Children's Hospital): Required Weekly Seminar Processes of Normal Development, 18 Fellows, 1 1/2 hrs weekly, Sept.-January, 18 weeks. See Teaching Awards Received.

Clinical Supervisory and Training Responsibilities:

- 1977- Cambridge Hospital Department of Psychiatry training programs. Individual supervision of psychotherapy conducted with child and adult inpatients and outpatients by adult psychiatry residents, child psychiatry fellows, and psychology interns. Individual supervision of psychological testing of children and adults by psychology interns. 3 hours per week.

Laboratory and Other Research Supervisory and Training Responsibilities:

Formally Supervised Trainees

Doctoral Dissertations Supervisees (Research conducted in my lab)

- 1984 Zoll D. Antecedents of parenting: Mother-infant interaction as a function of mother's childhood experience. Department of Psychology, Boston University.
- 1986 Spencer J. Infants at Social Risk: Mother-infant interaction at seven months and its relation to later attachment behavior. Department of Psychology, New York University.
- 1987 Alpern L. Preschool children at social risk: The relationships among maternal depression, child I.Q. and child behavior at school and at home. Department of Psychology, Boston University.
- 1988 McLeod S. Transgenerational aspects of social risk: Relations between maternal family history and disorganized infant attachment behavior. Department of Counseling Psychology, Boston College.
- 1989 Silva E. Mother-infant interaction at home and its relation to disorganized infant attachment behavior at one year. Department of Psychology, Boston University.
- 1990 Defieux E. Disorganized infant attachment and family risk factors: A validation study. Department of Psychology, University of Texas at Austin.

- 1991 Parsons E. Maternal behavior and disorganized attachment: Relational sequelae of traumatic experience. Massachusetts School of Professional Psychology.
- 1992 Block D. The relationship between childhood abuse and adult psychiatric functioning in a sample of low income women. Department of Psychology, Pennsylvania State University.
- 1993 Davidson C. The intergenerational transmission of resilience and risk: Maternal depression, maternal adult attachment status and the behavior of school-aged children. Department of Child Study, Tufts University.
- 1993 Bronfman E. The relation between maternal behavior ratings and disorganized attachment status in eighteen month old at-risk infants. Department of Counseling Psychology, Boston College.
- 1995 Atwood, G. Predicting disorganized infant attachment behavior from mothers' representations of their own early relationships. Harvard Graduate School of Education.
- 1997 Griffin, M.E. Disrupted maternal communication at home as a predictor of disorganized infant attachment strategies. Department of Psychology, Northwestern University.
- 2001 Yellin, C. Hostile/helpless states of mind on the adult attachment interview as predictors of disorganized attachment patterns in the next generation. Department of Psychology, Boston University.
- 2004 DiPalma, L. Portraits of attachment. Harvard Graduate School of Education, Harvard University.
- 2007 Dutra, L. Quality of early care and childhood trauma: Developmental pathways to dissociation. Department of Psychology, Boston University.
- 2007 Greene, J. G. Contributions of peer, romantic partner, and non-parental adult relationships to adolescent adaptive functioning. Department of Psychology, Boston University.

Post-Doctoral Research Mentoring

- 1998-1999 Mentor, Dupont-Warren and Livingston Fellow John DiLallo, M.D., Cambridge Hospital. Supervision of Dr. DiLallo's full-time research training fellowship supported by the Consolidated Department of Psychiatry, Harvard Medical School.
- 1998-2000 Mentor, CRTP Post-doctoral Fellow Amy Lyubchik, Ph.D., Provision of Dr. Lyubchik's full-time research training in conjunction with the Clinical Research Training Program and Dr. Stuart Hauser's lab at Judge Baker Guidance Center.
- 1999-2000 Mentor, Livingston Fellow Sharon Melnick, Ph.D. Design and supervision of Dr. Melnick's 1/5 time research conducted in collaboration with Peter Hobson, M.D., Ph.D., University College London, U.K.

- 2000-2005 Mentor, Career Development Award (K23), Prenatal predictors of risk for child maltreatment and the role of disorganized attachment patterns. Karen Steinberg, Ph.D., University of Connecticut Medical Center, Hartford, Conn.
- 2003-2008 Mentor, Career Development Award (K23), Maternal PTSD and Interactive Behavior with Young Children. Daniel Schechter, M.D., New York State Psychiatric Institute, Columbia University.
- 2003-2005 Mentor, Post-Doctoral Research Fellow, Bjarne Holmes, Ph.D. Supervision of Dr. Holmes full-time research activities in my lab.
- 2005-2007 Mentor, Canadian National Research Service Postdoctoral Fellowship, Jean-Francois Bureau, Ph.D. Supervision of Dr. Bureau's full-time research activities in my lab.
- 2006-2008 Mentor, Post-Doctoral Rostozsy Foundation Fellow, Stress Responses and Controlling Behaviors Among Adolescents with and without Borderline Traits. Ezster Bertha, M.D., Supervision of Dr. Bertha's fulltime research activities in my lab.
- 2006-2008 Mentor, James Barrett, Ph.D., Postdoctoral Fellow, Child Assessment Unit, Cambridge Hospital, Research Project: Diurnal Cycles of Cortisol Release Among Child Psychiatric Inpatients. 25 hours/year.
- 2007-2008 Mentor, Post-Doctoral Research Fellow, Lydia Ellertsdottir, M.D. Supervision of Dr. Ellertsdottir's full-time research training in my lab.
- 2007-2008 Mentor, Chie Yumoto, Ph.D., Postdoctoral Fellow, Child Assessment Unit, Cambridge Hospital, Research Project: The Short Serotonin Transporter and Infant Distress to Separation. 25 hours/year.
- 2007-2008 Mentor, Marc Walter, M.D., Postdoctoral Research Fellow, McLean Hospital, Research Project: Cortisol Response Among Borderline Adolescents. 20 hours/year.
- 2007-2008 Mentor, Lois Choi-Kain, M.D., Postdoctoral Fellow, McLean Hospital Research Project: Attachment and Cortisol Response Among Borderline Patients. 40 hours/year.
- 2008-2009 Mentor, Zhenyu Shi, M.D., Tongji University, Shanghai, China. Chinese Scholars Fellowship, Full-time advanced doctoral student, 50 hours/year.
- 2008-2009 Mentor, Peter Buonaccorsi, M.D., Child Psychiatry Fellow, Cambridge Health Alliance. Directed Summer Study and Research Project: Attachment State of Mind and Therapeutic Alliance, 8 hours/year.

Master's Thesis Advisor

1988 Karl, D. Maternal Responsiveness of Socially High Risk Mothers to the Elicitation Cues of Their Seven-Month-Old Infants. Boston College.

Undergraduate Honors Thesis Advisor

1978 Landry, M. Recursive Structure in Cognitive Perspective Taking. Department of Psychology, Harvard University. Summa cum laude.

2005 Riley, C. Indiscriminate attachment behavior in infancy as risk factor for preschool behavior problems. Department of Psychology, Harvard University. Awarded a Departmental Gordon Allport Prize for Excellence.

2005 Atlas-Corbett, A. Indiscriminate attachment behavior in infancy and quality of maternal infant interaction. Department of Psychology, Brandeis University.

Undergraduate Research Supervisor

2005 Riley, C. Indiscriminate infant attachment behavior and maternal borderline personality disorder. Supervision of undergraduate research award, Harvard Department of Psychology, to apply coding instrument developed during thesis research to a case-control sample of mothers with psychopathology and their infants, in collaboration with P. Hobson, MD, PhD, University College, London.

2008-2009 Fredell, J. Harvard Undergraduate Research Award: Assessing Reactive Attachment Disorder Among Young Children in Romanian Orphanages, senior, 25 hours/year.

2008-2009 Hung, E. Wellesley Undergraduate Research Tutorial: Assessing Reactive Attachment Disorder, junior, 25 hours/year.

Formal Teaching of Peers (e.g., CME and other continuing education courses):

Harvard Medical School Continuing Medical Education Courses

Conferences Organized

2005 Attachment and Related Disorders, Harvard Medical School, Cambridge, MA. Conference organizer, co-chair, and speaker. [Lyons-Ruth, K. Disorganized Attachment Relationships: Contributions to Psychopathology from Infancy to Young Adulthood.]

2007 Attachment and Related Disorders, Harvard Medical School, Boston, MA. Conference organizer, co-chair, and speaker. [Lyons-Ruth, K. The clinical implications of attachment: From infancy to adulthood.]

Conference Participation

1984 Lyons-Ruth K. Secure, resistant, and avoidant attachment behavior in infancy: Case studies, videotapes, and research findings. Presented as part of a conference entitled, The Child in Our Times, Harvard Medical School, Boston, MA.

1994 Lyons-Ruth K. Infant psychiatry. Annual Board Review Course, American Academy of Child and Adolescent Psychiatry, Harvard Medical School, Boston, MA.

1996 Lyons-Ruth, K. Attachment relationships and behavioral problems. *Developmental Child Psychology and Psychiatry*, Harvard Medical School, Boston, MA.

Cambridge Health Alliance Academic Conferences Organized

2006 Shared Subjectivities in Mind, Brain, and Psychopathology. Full day Public Academic Symposium of the Cambridge Health Alliance, in collaboration with the Tavistock Clinic, London. Conference organizer and speaker.

Local Invited Presentations:

1985 Attachment responses of maltreated infants. Cambridge Hospital Out-Patient Case Conference, Cambridge May.

1986 Neighborhood support systems for infants: evaluation results. Seminar Series of the Harvard Family Research Project: Issues in the Implementation of and Evaluation of Home Visit Programs. Harvard University School of Education, October.

1989 Cambridge-Somerville children at psychiatric risk: Disorganized infant attachment behavior as a precursor of aggressive behavior disorders at age five. Grand Rounds, Department of Psychiatry, Cambridge Hospital, Cambridge, January.

1989 From birth to five: Developmental pathways of the child at social risk. Bunting Institute Colloquium Series, Radcliffe College, Cambridge, February.

1989 Early predictors of childhood behavior disorders. Clinical Conference, Cambridge Guidance Center, Cambridge, February.

1989 From birth to five: Developmental pathways of the child at social risk. Brown Bag Lunch Series, Henry A Murray Research Center, Radcliffe College, Cambridge, March.

1989 Interrelations between trauma and attachment behavior in infancy. Maltreatment Clinic Rounds, Children's Hospital, Boston, May.

1989 Rapprochement or approchement: Object relations theory reconsidered in light of recent research on early attachment relationships. Grand Rounds, Department of Psychiatry, Cambridge Hospital, Cambridge, May.

1990 Rapprochement or approchement: Object relations theory reconsidered. Mental Health Service, Harvard University Health Service Rounds, Cambridge, September.

1990 Attachment behaviors of infants at risk for abuse. Massachusetts Mental Health Center, Trauma Conference, Cambridge, November.

1991 From birth to five: Developmental pathways of the infant at social risk. Developmental Psychology Colloquium Series, Departments of Psychology, Harvard University, February.

- 1995 Preventive Interventions in Child Psychiatry. Consolidated Harvard Department of Psychiatry Symposium, with W. Beardslee. Harvard Medical School, February.
- 1999 The Enigma of Change in Psychodynamic Therapy: Observing the Microprocess of Interaction in Development and Treatment. Massachusetts Mental Health Center, Boston, MA, April.
- 2000 Attachment disorders: Neuroendocrine correlates, family context, and longitudinal course. Child Psychiatry Grand Rounds, MGH/Charlestown Health Center, Charlestown, MA, January.
- 2000 Disorganized attachment relationships: Parent-infant relational patterns and longitudinal outcomes. Harvard Medical School, Harvard (Longwood) Department of Psychiatry Grand Rounds, Peter Bent Brigham Hospital, Boston, MA, February.
- 2001 Fear, dissociation, and the early caregiving relationship. Department of Psychiatry Grand Rounds, Cambridge, Hospital, Cambridge, MA, October.
- 2004 Training Workshop: Coding mother-infant disrupted affective communication, Department of Psychiatry, Harvard Medical School, Cambridge, MA.
- 2005 Genetic and early caregiving predictors of borderline and conduct symptoms in late adolescence: Prospective longitudinal data. Department of Psychiatry Grand Rounds, Longwood Program, Harvard Medical School, Boston MA, January.
- 2005 Genetic and early caregiving predictors of borderline and conduct symptoms in late adolescence: Prospective longitudinal data. Research colloquium, Department of Psychology, Harvard University, Cambridge, MA, April.
- 2008 Genetic and developmental contributors to borderline personality features. Grand Rounds, Department of Psychiatry, Cambridge Health Alliance, September.

Regional, National, and International Invited Teaching and Presentations

- 1981 Donnellan G, Lyons-Ruth K, Connell D, Botein S, Bumagin S. Prevention research in the real world. Presented at the meeting of the Seminar for the Development of Infants and Parents, Boston.
- 1987 Lyons-Ruth K. Cognitive and social consequences of family support services on infants at social risk. Symposium of the AL Mailman Family Foundation, White Plains, NY.
- 1988 Goldberg S, Lyons-Ruth K. Observing infant attachment behaviors: the continuum from security to disorganization. Presented at the Boston Institute for the Development of Infants and Parents, Boston.
- 1988 Lyons-Ruth K. Developmental effects of home-visiting services for infants at social risk. Ground Rounds, Department of Psychiatry, Bradley Hospital, Providence.

- 1990 Lyons-Ruth K. Invited Speaker, Rochester Symposium on Developmental Psychopathology, University of Rochester, NY, Dante Cicchetti, Ph.D., Chair.
- 1990 Lyons-Ruth K. From birth to five: Developmental pathways of infants at social risk. Invited talk, Psychology Department Colloquium, Boston University.
- 1990 Lyons-Ruth K. Infants at social risk: Effects of family support services on infant outcomes. Psychology Department Colloquium, Tufts University.
- 1990 Lyons-Ruth K. Infant attachment behavior and the spectrum of social risk. Presented at the Annual Conference of the Boston Institute for the Development of Infants and Parents, Boston, MA.
- 1998 Lyons-Ruth, K. Effects of home-based intervention services for high-risk infants and their families. Presented as part of a conference on The Early Development of Children at Risk, Department of Child Health, City of Rome, (Assessorato alle Politiche per la Citta delle Bambine e dei Bambini, Commune di Roma), Rome, Italy.
- 1998 Lyons-Ruth, K. Caregiving contributions to infant disorganized attachment: Helpless and hostile stances in parent-infant affective communication. Keynote speaker at the annual spring retreat of the Developmental Psychobiology Research Group. University of Colorado Health Sciences Center, Estes Park, CO, R. Ende, Chair.
- 1998 Lyons-Ruth, K. Hostile and helpless stances in parent-infant affective communication. Second International Conference on Attachment and Psychopathology, Hincks Institute, Toronto, Ontario, Canada.
- 1998 Lyons-Ruth, K. Family correlates and longitudinal outcomes of disorganized attachment relationships in infancy. Colloquium presented to the Department of Psychology, University of Toronto, Toronto, Canada.
- 1999 Lyons-Ruth, K. Understanding the mother-infant attachment relationship. Workshop presented to the Parent-Infant Psychotherapy Training Program, Boston Institute for Psychotherapy, Boston, MA.
- 1999 Lyons-Ruth, K. Longitudinal relations between attachment strategies in infancy and adolescence: Infancy. Colloquium presented to University Counseling Services, Boston College, Chestnut Hill, MA.
- 1999 Lyons-Ruth, K. Elaborating the concept of unresolved states of mind: Identifying hostile and helpless stances on the adult attachment interview. Visiting Scholar, Research Workshop presented to the Menninger Clinic, Topeka, Kansas.
- 1999 Lyons-Ruth, K. Longitudinal relations between attachment strategies in infancy and adolescence: Adolescence. Colloquium presented to University Counseling Services, Boston College, Chestnut Hill, MA.

- 1999 Lyons-Ruth, K. Disorganized attachment relationships: Hostile and helpless stances in parent-infant affective communication. Grand Rounds presented to the Menninger Clinic, Topeka, Kansas.
- 1999 Lyons-Ruth, K. The relational diathesis in disorganized attachments: Hostile and helpless stances in mother-infant affective communication. Colloquium presented to the Department of Psychology, University of Quebec at Montreal, Montreal, Canada.
- 1999 Lyons-Ruth, K. Assessing mother-infant interactions among infants with disorganized attachment status. Workshop on Research in Psychoanalysis, the American Psychoanalytic Association, New York, NY.
- 1999 Lyons-Ruth, K. Disorganized attachment: Its relevance to adult analysis. Workshop on Explaining Therapeutic Change, American Psychoanalytic Association, New York, NY.
- 2000 Lyons-Ruth, K. Hostile and helpless relationship patterns within the disorganized attachment category: Convergence of representational and interaction measures. International Conference on Attachment from Infancy to Adulthood, German Research Council and the Children's Hospital of the University of Munich, Munich, Germany.
- 2000 Lyons-Ruth, K. The two-person construction of defenses: Disorganized attachment strategies, unintegrated mental states, and hostile/helpless relational processes. Conference on Attachment: Current Developments in Research, Theory, and Application. Morris Eagle, Chair, New York: Adelphi University.
- 2000 Lyons-Ruth, K. and Melnick, S. Adaptations to disruptions in attachment. Grand Rounds, Trauma Service, Human Resource Institute, Boston, MA.
- 2002 Lyons-Ruth, K. The relational context of dissociation. Grand Rounds, Boston Institute for Psychotherapy, Boston, MA.
- 2003 Lyons-Ruth, K. B. Ruth Esser Memorial Lecture, Biennial Academic Day, Department of Psychiatry, Mt. Sinai Hospital, University of Toronto, Toronto, Canada
- 2003 Lyons-Ruth, K. Keynote Speaker, Italian National Conference of Academic Psychologists, Bari, Italy
- 2003 Lyons-Ruth, K. Invited Participant, Attachment and bonding: A new synthesis. Dahlem Conference of the Max Planck Institute, Berlin, Germany.
- 2004 Lyons-Ruth, K. The relational context of trauma: Fear, dissociation, and the early caregiving environment. Attachment Conference, University of California at Los Angeles.
- 2004 Lyons-Ruth, K., & Melnick, S. Training Workshop: Coding hostile-helpless states of mind on the adult attachment interview, Department of Psychology, Università LaSapienza, Rome, Italy.

- 2004 Lyons-Ruth, K. Change processes in implicit relational representations in development and psychotherapy. Department of Psychology, Universita Cattolica di Milano, Milan, Italy.
- 2004 Lyons-Ruth, K. The interface between attachment and intersubjectivity: Perspective from the longitudinal study of disorganized attachment, Elizabeth Fivaz Fostschratt, Department of Psychiatry, University of Lausanne, Lausanne, Switzerland.
- 2004 Lyons-Ruth, K., Dutra, L., Bianchi, I. The early developmental context of dissociation. Invited presentation to the International Society for the Study of Dissociation, New Orleans, LA.
- 2004 Lyons-Ruth, K., Dutra, L., Bianchi, I., Blizard, R., Gold, S. & Waters, F. The parent-infant dialogue as a precursor to dissociation: An attachment theory approach to understanding dissociation. International Society for the Study of Dissociation, New Orleans, LA.
- 2004 Lyons-Ruth, K. Invited Senior Clinician Workshop: Attachment research and clinical treatment, Psychoanalytic Institute for the Study of Intersubjectivity, New York, NY
- 2005 Lyons-Ruth, K. The development of conflict and defense in implicit relational processes. Talk presented as part of a conference entitled Process of Change in Psychotherapeutic Treatment, UCLA, Los Angeles, CA.
- 2005 Lyons-Ruth, K. Conflict and defense in early development. Invited Plenary Address to the annual meeting of Division 39 of the American Psychological Association, New York, NY.
- 2005 Lyons-Ruth, K. Influence of genetic vulnerability and quality of early care on borderline and conduct symptomatology in adulthood: Prospective longitudinal findings. Colloquium to the Departments of Psychology and Genetics, Institute of Medicine, Budapest, Hungary.
- 2005 Lyons-Ruth, K. Dialogue and dissociation: Longitudinal research and its clinical implications. Invited plenary talk to the International Society for the Study of Dissociation, Toronto, CA.
- 2005 Lyons-Ruth, K. Trauma, genetic vulnerability, and early care: Contributions to dissociative and borderline symptoms. Conference on Psychological Trauma: Maturation Processes and Therapeutic Interventions, Trauma Center, Boston University School of Medicine, Boston, MA.
- 2006 Lyons-Ruth, K. Trauma and attachment: Implications of new longitudinal research. Invited talk to the Brainwave Trust and Doctors Against Sexual Abuse, Auckland, Christchurch, and Wellington, New Zealand.

- 2006 Lyons-Ruth, K. Disorganized attachment relationships: Contributions to psychopathology from infancy to young adulthood. Bruce A. Gibbard Memorial Lecture, Department of Psychiatry, University of Vermont Medical School, Burlington, VT.
- 2006 Lyons-Ruth, K. Contributions of the quality of early care to dissociative, borderline, and conduct symptoms in young adulthood. Invited Plenary Address, International Congress of the World Association for Infant Mental Health, Paris, France.
- 2008 Lyons-Ruth, K. Trauma and Quality of Early Care as Contributors to Dissociation: Prospective Longitudinal Findings. Invited Plenary Address, European Congress for the Study of Dissociation, Amsterdam, Netherlands

Other Regional Courses

- 1992-2002 Required Weekly Seminar, Research on Infant Development: Implications for Psychoanalytic Theory, Massachusetts Institute for Psychoanalysis, Spring Term (with J. Nahum). Develop and teach, 1 ½ hours weekly, 13 weeks, 5-10 participants.

Report of Clinical Activities and Innovations

Current Licensure and Certification:

- 1975 Massachusetts Psychologist's License

Practice Activities:

- 1975- Private practice, Cambridge and Newton, MA I maintain a small clinical practice, providing individual adult and child psychotherapy, specialized consultation around complex cases of adoption and reactive attachment disorder, and private supervision of joint parent–infant treatment cases.
- 1987-1999 General Medical Associates, Weston, MA One of five clinicians providing mental health coverage for an internal medicine and pediatric practice. Emergency call, adult and child psychotherapy, child psychological testing. One day per week.

Cambridge Hospital

- 1977-1981 Staff Psychologist and Team Preceptor, Adult Outpatient Clinic. Conduct psychological evaluations and psychotherapy with adult psychiatry outpatients; teach evaluation skills to multidisciplinary trainees; serve as preceptor for psychology interns on team.
- 1985-1987 Psychiatry Consultant, Pediatric Service, East Cambridge Health Center. Consult to pediatric nurse practitioners concerning psychiatric problems presenting in their pediatric practice and supervise student evaluations and psychotherapy with children conducted at the Neighborhood Health Center.

1985-1988 Psychology Preceptor, Outpatient Clinic Evaluation Team. Supervise mental health trainees of all disciplines in evaluation procedures for psychiatric outpatient adults. Contribute to discussion at weekly clinical case conferences.

Report of Technological and Other Scientific Innovations

Atypical Maternal Behavior Instrument for Assessment and Classification (AMBIANCE)

The Atypical Maternal Behavior Instrument for Assessment and Classification (AMBIANCE) was developed in our lab from 1991-1999 to fill a need in the field for a coding instrument for the atypical maternal behaviors seen among high-risk and clinical cohorts. Training workshops are held on request from other researchers for training to reliability in use of the coding system. The coding system is now in use in labs internationally (see other professional activities for listing).

Rating for Infant Stranger Engagement (RISE).

The RISE was also developed and validated in our lab in 2004-2008 as the first observationally-based assessment of the indiscriminate attachment behaviors that constitute the criterion for the diagnosis of Reactive Attachment Disorder: Disinhibited Type. In 2009 we will train the first external lab in the use of this measure (Lab of Dr. Isabel Soares, University of Minho, Braga, Portugal).

Report of Education of Patients and Service to the Community

Activities:

- 1998 Invited Speaker, Conference on the Early Development of Children at Risk, Department of Child Health, City of Rome, (Assessorato alle Politiche per la Citta delle Bambine e dei Bambini, Comune di Roma), Rome, Italy.
- 2001 Member, Expert Working Group on Perinatal Health, Bureau of Family and Community Health, Public Health Department, Commonwealth of Massachusetts, Sally Fogerty, Asst. Comm.
- 2006 Consultation to Minister for Social Development, Government of New Zealand, Deborah Malcolm and staff, regarding services to violent families with infants and young children
- 2006 Advisory Board Member, Infant-Parent Training Institute, Waltham, MA. A. Epstein, M.D., P. Kaufman, M.A. Chairs.
- 2007-2008 Advisory Board Member, NIH-Funded Grant, Symptoms of Trauma Scale (SOTS) Validation Study, PANSS Initiative, Garden City, NY.
- 2007-present Founding Member and Board of Directors, Massachusetts Association for Infant Mental Health (MassAIMH)

Media Presentations

- 2003 Boston Sunday Globe, June 29, 2003, quoted in article on “Fierce Attachments” by Joshua Kendall.
- 2003 “Nite Beat” with Barry Nolan, Channel 8, Comcast TV, July 10, 2003, program on Parenting and Attachment.
- 2006 New Zealand Public Radio, February 22, 2006, “The Afternoon Show” with Paul Brennan, interview discussing new findings on gene-environment interaction and its implications for public policy regarding children and families.
- 2006 Boston Globe, September, 2006, quoted in article on early support for new parents.

Recognition:

- 1985 Marquis’ Who’s Who in Frontier Science and Technology
1986 Marquis’ Who’s Who in Frontier Science and Technology

Report of Scholarship

Publications

Peer Reviewed Publications in print or other media:

Research investigations

1. **Lyons-Ruth, K.** Bimodal perception in infancy: Response to auditory-visual incongruity, *Child Development* 1977; 48:820-827.
2. **Lyons-Ruth, K.** Moral and personal value judgments of preschool children, *Child Development* 1978; 49:1197-1207.
3. Landry, M., **Lyons-Ruth, K.** Recursive structure in cognitive perspective-taking, *Child Development* 1980; 51:386-394.
4. **Lyons-Ruth, K.** Developing a language of human action: Subjective goal as semantic component of the verb *give*, *Child Development* 1981; 52:866-872.
5. **Lyons-Ruth, K.**, Connell, D., Grunebaum, H., Botein, S., Zoll, D. Maternal family history, maternal caretaking and infant attachment in multi-problem families, *Journal of Preventive Psychiatry* 1984; 2:403-425.
6. **Lyons-Ruth, K.**, Connell, D., Zoll, D., Stahl, J. Infants at social risk: Relationships among infant maltreatment, maternal behavior, and infant attachment behavior, *Developmental*

Psychology 1987; 23:223-232.

7. **Lyons-Ruth, K.**, Connell, D., Grunebaum, H. Family deviance and family disruption in childhood: Associations with maternal behavior and infant maltreatment during the first two years of life, *Development and Psychopathology* 1989; 1:219-236.
8. **Lyons-Ruth, K.**, Connell, D., Grunebaum, H., Botein, D. Infants at social risk: Maternal depression and family support services as mediators of infant development and security of attachment, *Child Development* 1990; 61:85-98. Abstracted in *Pediatrics Digest* 1990; 8: 26-27.
9. **Lyons-Ruth, K.**, Repacholi, B., McLeod, S., Silva, E. Disorganized attachment behavior in infancy: Short-term stability, maternal and infant correlates and risk-related subtypes, *Development and Psychopathology* 1991; 3:377-396.
10. **Lyons-Ruth, K.**, Alpern, L., Repacholi, B. Disorganized infant attachment classification and maternal psychosocial problems as predictors of hostile-aggressive behavior in the preschool classroom, *Child Development* 1993; 64: 572-585.
11. Alpern, L., **Lyons-Ruth, K.** Preschool children at social risk: Chronicity and timing of maternal depressive symptoms and child behavior problems at school and at home, *Development and Psychopathology* 1993; 5:369-385. Abstracted in *Clinician's Research Digest* 1993; 11:6.
12. **Lyons-Ruth, K.**, Block D. The disturbed caregiving system: The disturbed caregiving system: Relations among childhood trauma, maternal caregiving, and infant affect and attachment. *Infant Mental Health Journal* 1996; 17:157-275. Abstracted in the *Brown University Child Development Newsletter*, Fall 1996.
13. **Lyons-Ruth, K.**, Easterbrooks, M., Cibelli, C. Disorganized attachment strategies and mental lag in infancy: Prediction of externalizing problems at age seven. *Developmental Psychology*, 1997; 33:681-692.
14. **Lyons-Ruth, K.** From birth to school-age: Influence of maternal factors, infant attachment, and preventive intervention on outcomes of the infant at social risk. *Prospettive Psicoanalitiche nel Lavoro Istituzionale* 1999; 2.
15. **Lyons-Ruth, K.**, Bronfman, E., Parsons, E. Frightened, frightening, and atypical maternal behavior and disorganized infant attachment strategies. In J. Vondra and D. Barnett (Eds.) *Atypical Attachment in Infancy and Early Childhood Among Children at Developmental Risk*. *Monographs of the Society for Research in Child Development* 1999, 64(3, Serial No. 258):67-96.
16. Easterbrooks, M.A, Biesecker, G., **Lyons-Ruth, K.** Infancy predictors of emotional availability in middle childhood: The roles of attachment security and maternal depressive symptomatology. *Attachment and Human Development* 2000; 2:170-187.
17. **Lyons-Ruth, K.**, Lyubchik, A., & DiLallo, J. The impact of early home-visiting services on

behavior problems and social competence in kindergarten: A three and a half year followup. Congress Abstracts, 7th World Conference of the World Association for Infant Mental Health, *Infant Mental Health Journal* 2000; 21, (4-5), 292.

18. **Lyons-Ruth, K.**, Yellin, C., Melnick, S., Atwood, G. Childhood experiences of trauma and loss have different relations to maternal unresolved and hostile-helpless states of mind on the AAI. *Attachment and Human Development* 2003; 5:330-352.
19. **Lyons-Ruth, K.**, Melnick, S. Dose-response effect of mother-infant clinical home-visiting on aggressive behavior problems in Kindergarten. *Journal of the American Academy of Child and Adolescent Psychiatry* 2004; 43(6):699-707.
20. David, D., **Lyons-Ruth, K.** Differential Attachment Responses of Male and Female Infants to Frightening Maternal Behavior: Tend or Befriend vs. Fight or Flight? *Infant Mental Health Journal* 2005; 26(1):1-18.
21. **Lyons-Ruth, K.**, Yellin, C., Melnick, S., Atwood, G. Expanding the concept of unresolved mental states: Hostile/Helpless states of mind on the adult attachment interview are associated with atypical maternal behavior and infant disorganization. *Development and Psychopathology* 2005; 17:1-23.
22. Holmes, B. M., **Lyons-Ruth, K.** The RQ-clinical version: Introducing a profoundly-distrustful attachment orientation with validation. *Infant Mental Health Journal* 2006; 27:310-325.
23. **Lyons-Ruth, K.**, Easterbrooks, MA. Assessing Mediated Models of Family Change in Response to Infant Home-Visiting: A Two-Phase Longitudinal Analysis. *Infant Mental Health Journal* 2006; 27:55-69.
24. **Lyons-Ruth, K.**, Melnick, S., Patrick, M., Hobson, P. A controlled study of hostile-helpless states of mind among borderline and dysthymic women. *Attachment and Human Development* 2007; 9(1):1-16.
25. **Lyons-Ruth, K.**, Holmes, B., Sasvari-Szekely, M., Ronai, Z., Nemoda, Z., Pauls D. Serotonin transporter polymorphism associated with borderline and antisocial features. *Psychiatric Genetics* 2007; 17:339-343.
26. Gervai, J., Novak, A., Lakatos, K., Toth, I., Danis, I., Ronai, Z., Nemoda, Z., Sasvari-Szekely, M., Bureau, J. F., Bronfman, E., & **Lyons-Ruth, K.** Infant genotype may moderate sensitivity to maternal affective communications: Attachment disorganization, quality of care, and the DRD4 polymorphism. *Social Neuroscience* 2007; 2:1-13.
27. Walter, M., Bureau, J-F., Holmes, B. M., Bertha, E. A., Hollander, M., Wheelis, Brooks, N. H., & **Lyons-Ruth, K.** Cortisol response to interpersonal stress in young adults with borderline personality disorder: a pilot study. *European Psychiatry* 2007; 23:201–204.
28. Gunderson, J. & **Lyons-Ruth, K.** BPD's interpersonal hypersensitivity phenotype: A gene-environment transactional model. *Journal of Personality Disorder* 2008; 22(1):22-41.

29. **Lyons-Ruth, K.**, Bureau J., Riley, C., Atlas-Corbett, A. F. Socially indiscriminate attachment behavior in the Strange Situation: Convergent and discriminant validity in relation to caregiving risk, later behavior problems, and attachment insecurity. *Development and Psychopathology*, 2009; 21(2): 355-372.
30. Dutra, L., Bureau, J., Holmes, B., Lyubchik, A., **Lyons-Ruth, K.** Quality of early care and childhood trauma: A prospective study of developmental pathways to dissociation. *J. Nerv. Ment. Disease*. In press.
31. Bureau, J., Easterbrooks, A., **Lyons-Ruth, K.** Attachment disorganization and role-reversal in middle childhood: Maternal and child precursors and correlates. *Attachment and Human Development*. In press.
32. Bureau, J., Easterbrooks, A., **Lyons-Ruth, K.** Maternal depressive symptoms in infancy: Unique contribution to children's depressive symptoms in childhood and adolescence? *Development and Psychopathology*, 2009; 21(2): 519-537.
33. Dillon D., Holmes, A., Birk, J., Brooks N. H., **Lyons-Ruth K.**, Pizzagalli D. Early adversity is associated with left basal ganglia dysfunction during reward anticipation in adulthood. *Biological Psychiatry*. In press.

Other peer-reviewed publications

1. **Lyons-Ruth, K.**, Kaufman, P., Masters, N., Wu, J. Issues in the identification and long-term management of Munchausen by proxy syndrome within a clinical infant service, *Infant Mental Health Journal* 1991; 12:309-320.
2. **Lyons-Ruth K.** Rapprochement or approchement: Mahler's theory reconsidered from the vantage point of recent research on early attachment relationships, *Psychoanalytic Psychology* 1991; 8:1-23.
3. **Lyons-Ruth, K.** Broadening our conceptual frameworks: Can we reintroduce relational strategies and implicit representational systems to the study of psychopathology? Invited commentary on the special section on Parental depression and distress: Implications for the development of offspring, *Developmental Psychology* 1995; 31:432-436.
4. **Lyons-Ruth, K.** Attachment relationships among children with aggressive behavior problems: The role of disorganized early attachment patterns. *Journal of Consulting and Clinical Psychology* 1996; 64:64-73.
5. **Lyons-Ruth, K.** Implicit relational knowing: Its role in development and psychoanalytic treatment. *Infant Mental Health Journal* 1998; 19:282-289.
6. Stern, D. N., Sander, L. W., Nahum, J. P., Harrison, A. M., **Lyons-Ruth, K.**, Morgan, A.C., Bruschiweiler-Stern, N., Tronick, E.Z. Non interpretive mechanisms in psychoanalytic therapy: The "something more" than interpretation. *International Journal of Psychoanalysis*

1998; 79:903-921.

7. **Lyons-Ruth, K.** The two-person unconscious: Intersubjective dialogue, enactive relational representation, and the emergence of new forms of relational organization. *Psychoanalytic Inquiry* 1999; 19:576-617.
8. **Lyons-Ruth, K.** I sense that you sense that I sense...: Sander's recognition process and implicit relational moves in the psychotherapeutic setting. *Infant Mental Health Journal* 2000; 21:85-98.
9. **Lyons-Ruth, K., Wolfe, R., Lyubchik, A.** Depression and the parenting of young children: Making the case for early preventive mental health services. *Harvard Rev Psychiatry* 2000; 8: 148-153.
10. **Lyons-Ruth, K.** El inconsciente bipersonal: el diálogo intersubjetivo, la representación relacional actuada y la emergencia de nuevas formas de organización relacional. *Aperturas Psicoanalíticas*, 4.
11. Boston Change Process Study Group*. Explicating the Implicit: The Local Level and the Microprocess of Change in the Analytic Situation. *International Journal of Psychoanalysis* 2002; 83:1051-1062. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.).
12. **Lyons-Ruth, K.** The Two-Person Construction of Defenses: Disorganized Attachment Strategies, Unintegrated Mental States, and Hostile-Helpless Relational Processes. *Journal of Infant, Child, and Adolescent Psychotherapy* 2003;2:105-11.
13. **Lyons-Ruth, K.** Dissociation and the Parent- Infant Dialogue: A Longitudinal Perspective from Attachment Research. *Journal of the American Psychoanalytic Association* 2003; 51:883-911.
14. **Lyons-Ruth, K., Spielman, E.** Disorganized Infant Attachment Strategies and Helpless-Fearful Profiles of Parenting: Integrating Attachment Research with Clinical Intervention. *Infant Mental health Journal* 2004; 25:318-335.
15. Agrawal, H. R., Gunderson, J., Holmes, B. M., **Lyons-Ruth, K.** Attachment studies with borderline patients: A review. *Harvard Review of Psychiatry* 2004; 12:94-104.
16. **Lyons-Ruth, K.** L'Interface entre attachment et intersubjectivite: Perspectives issues de l'etude longitudinale de l'attachment desorganise. *Psychotherapies* 2005; 25:223-234.
17. Boston Change Process Study Group*. The 'something more' than interpretation revisited: Sloppiness and cocreativity in the psychoanalytic encounter. *Journal of the American Psychoanalytic Association* 2005; 53:693-729. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.).

18. **Lyons-Ruth, K.**, Dutra, L., Schuder, M., Bianchi, I. From Infant Attachment Disorganization to Adult Dissociation: Relational Adaptations or Traumatic Experiences? In R. Chevetz, Ed. Dissociative Disorders. Psychiatric Clinics of North America 2006; 29:63-86.
19. **Lyons-Ruth, K.** The interface between attachment and intersubjectivity: Perspective from the longitudinal study of disorganized attachment. Psychoanalytic Inquiry 2006; 26:595-616.
20. **Lyons-Ruth, K.** Play, precariousness, and the negotiation of shared meaning: A developmental research perspective on child psychotherapy. Journal of Infant, Child, and Adolescent Psychotherapy, 2006; 5:142-159
21. Boston Change Process Study Group*. The foundational level of psychodynamic meaning: Implicit process in relation to conflict, defense, and the dynamic unconscious. International Journal of Psychoanalysis, 2007; 88:1-16. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.).
22. **Lyons-Ruth, K.** Contributions of the mother-infant relationship to dissociative, borderline, and conduct symptoms in young adulthood. Infant Mental Health Journal, 2008; 29(3), 203-218.

Non-peer reviewed scientific or medical publications/materials in print or other media:

Reviews, chapters, monographs and editorials

1. **Lyons-Ruth K.**, Botein, S., Grunebaum, H. Reaching the hard to reach: Serving multi-risk families with infants in the community. In: Cohler B, Musick J, editors. Intervention with psychiatrically disabled parents and their young children. San Francisco: Jossey-Bass; 1984; p. 95-122.
2. **Lyons-Ruth, K.**, Zoll, D., Connell, D., Grunebaum, H. The depressed mother and her one-year-old infant: Environmental context, mother-infant interaction and attachment and infant development. In: Tronick E, Field T, editors. Maternal depression and infant disturbance. San Francisco: Jossey-Bass, 1986; p. 61-82.
3. Cohn, J., Tronick, E., Matias, R., **Lyons-Ruth, K.** Face-to-face interactions of depressed mothers with their infants. In: Tronick E, Field T, editors. Maternal depression and infant disturbance. San Francisco: Jossey-Bass, 1986; p. 31-44.
4. **Lyons-Ruth, K.**, Connell, D., Zoll, D. Patterns of maternal behavior among infants at risk for abuse: Relations with infant attachment behavior and infant development at 12 months of age. In: Cicchetti D, Carlson V, editors. Child maltreatment: theory and research on the causes and consequences of child abuse and neglect. New York: Cambridge University Press; 1989; p. 464-493.
5. **Lyons-Ruth, K.** Maternal depressive symptoms, disorganized infant-mother attachment relationships and hostile-aggressive behavior in the preschool classroom: A prospective longitudinal view from infancy to age five. In: Cicchetti D, Toth S, editors. Rochester

symposium on developmental psychopathology, Vol. 4: A developmental approach to affective disorders. Hillsdale, NJ: Erlbaum; 1992; p.131-171.

6. **Lyons-Ruth K.**, Zeanah C. The family context of infant mental health Part I: Affective development in the primary caregiving relationship. In: Zeanah C, editor. Handbook of infant mental health. New York: Guilford; 1993; p. 14-37.
7. Crockenberg S, **Lyons-Ruth K**, Dickstein S. The family context of infant mental health Part II: Infant development in multiple family relationships. In: Zeanah C, editor. Handbook of infant mental health. New York: Guilford; 1993; p. 38-55.
8. **Lyons-Ruth, K.**, Bronfman, E., Atwood, G. A relational diathesis model of hostile-helpless states of mind: Expressions in mother-infant interaction. In: Solomon J, George C, editors. Attachment disorganization. New York: Guilford, 1999; p. 33-69.
9. **Lyons-Ruth K**, Jacobvitz D. Attachment disorganization: Unresolved loss, relational violence, and lapses in behavioral and attentional strategies. In: Cassidy J, Shaver P, editors. Handbook of Attachment: Theory, Research, and Clinical Applications. New York: Guilford; 1999; p. 520-554.
10. **Lyons, K.**, Lyubchik, A., Wolfe, R., Bronfman, E. Parental depression and child attachment: Hostile and helpless profiles of parent and child behavior among families at risk. In: Goodman S, Gotlib I editors. Children of depressed parents: Alternative pathways to risk for psychopathology. Washington, D. C.: American Psychological Association Press; 2002; p. 89-121.
11. **Lyons-Ruth, K.**, Wolfe, R., Lyubchik, A., Grogan, T., Steingard, R. Prevalance and correlates of depressive symptoms in parents of children under three: Results of the Commonwealth Survey. In: Halfon N, McLearn K, Schuster M. editors. Child rearing in America: Challenges facing parents with young children. Cambridge, UK: Cambridge University Press; 2002; p.217-259.
12. **Lyons-Ruth, K.**, Melnick S., & Bronfman, E. Hostile-helpless relational models and interaction patterns between disorganized infants and their mothers. In Brisch, K-H., Grossmann, K., Grossmann K.E., & Kohler, L., editors. Bindungen und seelische Entwicklungswege: Vorbeugung, Intervention und klinische Praxis. Stuttgart: Klett-Cotta. 2002; p. 249-276.
13. **Lyons-Ruth K**, Zeanah C, Benoit D. Disorder and risk for disorder during infancy and toddlerhood. In: Mash E, Barkley R, editors. Child psychopathology. New York: Guilford; 1996; p. 457-491; Second edition, 2003.
14. **Lyons-Ruth, K.**, Melnick, S.,Bronfman,E., Sherry, S., Llanas, L. Hostile-helpless relational models and disorganized attachment patterns between parents and their young children: Review of research and implications for clinical work. In Atkinson, L., Goldberg, S., editors. Attachment Issues in Psychopathology and Intervention. Mahwah, N.J: Lawrence Erlbaum; 2004; p. 65-94.

15. Schuder, M., & **Lyons-Ruth, K.** “Hidden Trauma” in Infancy: Attachment, Fearful Arousal, and Early Dysfunction of the Stress Response System. In Osofsky, J. (Ed.). *Trauma in Infancy and Early Childhood*. NY: Guilford Press; 2004; p. 69-104.
16. **Lyons-Ruth, K.** The two-person unconscious: Intersubjective dialogue, enactive relational representation, and the emergence of new forms of relational organization. In L. Aron & A. Harris (Editors). *Relational Psychoanalysis, Volume II*. Hillsdale, NJ: Analytic Press; 2005; p. 311-349.
17. Henninghausen, K. & **Lyons-Ruth, K.** Disorganization of Behavioral and Attentional Strategies Toward Primary Attachment Figures: From Biologic to Dialogic Processes. In Carter, S., Ahnert, L. et al., editors. *Attachment and Bonding: A New Synthesis*. Dahlem Workshop Report 92. Cambridge, MA: The MIT Press, 2005; p. 269-301.
18. Henninghausen, K. & **Lyons-Ruth, K.** “Disorganization of attachment strategies in infancy and childhood.” In *Encyclopedia on Early Childhood Development*. Centre of Excellence for Early Childhood Development Website, 2005. http://www.excellence-earlychildhood.ca/liste_theme.asp?lang=EN&act=32
19. Kobak, R., Cassidy, J., **Lyons-Ruth, K.**, & Ziv, Y. Attachment, stress, and psychopathology: A developmental pathways model. In Cicchetti, D. and Cohen, D. *Developmental Psychopathology, Second Edition*, New York: Wiley; 2006; p. 333-369.
20. **Lyons-Ruth, K.**, Jacobvitz, D. Disorganized Attachment: Genetic factors, parenting contexts, and developmental transformation from infancy to adulthood. In: Cassidy J, Shaver P, editors. *Handbook of Attachment: Theory, Research, and Clinical Applications*. 2nd Edition. New York: Guilford; 2008; p. 666-697.
21. Melnick, S., Finger, B., Hans, S., Patrick, M., **Lyons-Ruth, K.** Hostile-helpless states of mind in the AAI: A proposed additional AAI category with implications for identifying disorganized infant attachment in high-risk samples. In: Steele H, Steele M, editors. *Clinical Applications of the Adult Attachment Interview*. New York: Guilford, 2008; p. 399-423.
21. Dutra, L., Bianchi, I., Siegel, D. **Lyons-Ruth, K.** (2009). The relational context of dissociative phenomena. In P. Dell & J. O’Neil (Eds.), *Dissociation and the Dissociative Disorders: DSM-V and Beyond*. (pp. 83-92). Routledge: Routledge, NY.
22. Bureau, J., Martin, J., **Lyons-Ruth, K.** (in press). Attachment and trauma. In R. Lanius & E. Vermetten (Eds.), *The Hidden Epidemic: The Impact of Early Life Trauma on Health and Disease*. Cambridge University Press: Cambridge, UK.
23. Hennighausen, K., Bureau, J., David, D.H., **Lyons-Ruth K.** (in press). Disorganized Attachment in Adolescence. Solomon J. and George C. (Eds.), *Attachment Disorganization* (2nd Ed.) New York: Guilford.

[Invited Commentary/Newsletters/Book Reviews](#)

1. **Lyons-Ruth K**, Bruner JS, May A. One, two, many: Early object handling. Film 35mm, John Wiley & Sons, 1972.
2. **Lyons-Ruth, K.** Lexicons, eyes, and videotape: Invited commentary on Steele, H. & Steele, M. Bowlby and psychoanalysis: Time for a reunion. *Social Development* 1998; 7:127-131.
3. **Lyons-Ruth, K.** Disorganized, controlling, and unresolved/unclassifiable states of mind regarding attachment: Relational correlates of psychopathology? Book review of Atkinson L, Zucker K, editors. *Attachment and psychopathology*. New York: The Guilford Press, 1997. In *Infant Mental Health Journal* 1998; 19:420-421.
4. **Lyons-Ruth, K.** The two-person construction of defenses: Disorganized attachment strategies, unintegrated mental states, and hostile/helpless relational processes. *Psychologist-Psychoanalyst*, Spring 2001; p. 14-17.
5. **Lyons-Ruth, K., & the Boston Change Process Study Group***. The emergence of new experiences: Relational improvisation, recognition process, and non-linear change in psychoanalytic therapy. *Newsletter of the Division of Psychoanalytic Psychology of the American Psychological Association*, Fall 2001, 21; 13-17. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.)
6. **Lyons-Ruth, K.** and the Boston Change Process Study Group. The emergence of new experiences: Relational improvisation, recognition process, and non-linear change in psychoanalytic therapy. *Psychologist-Psychoanalyst*, Vol. XXI, No. 4, Fall 2001, 13-17. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.)
7. Boston Change Process Study Group*. Response to Commentaries. *Journal of the American Psychoanalytic Association* 2005: 53; 761-769. (*Study Group members in alphabetical order: Bruschiweiler-Stern, N., Harrison, A., **Lyons-Ruth, K.**, Morgan, A., Nahum, J., Sander, L., Stern, D., Tronick, E.)

Unpublished Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings (past three years):

Scientific Presentations

1. Meyer, J, Hobson, P, Beck E, Lyons-Ruth, K. (July, 2006) Infant-caregiver triadic relatedness and disorganized attachment. Paper presented to the International Conference on Infant Studies, Kyoto, Japan.
2. Bianchi, I., Lyons-Ruth, K. (March, 2007) Negotiation strategies in preschool pretend play and theory of mind ability. Poster presented to the biennial meeting of the Society for Research in Child Development, Boston, MA.

3. Lyons-Ruth, K. (October, 2007) Mother-infant disrupted communication: Longitudinal relations to controlling attachment and psychopathology. Paper presented as part of a symposium entitled Parenting young children in high-risk families: New clinically relevant research. D. Schechter, Chair, at the annual meeting of the American Academy of Child & Adolescent Psychiatry, Boston, MA.
4. Dillon, A., Holmes, B., Lyons-Ruth, K., & Pizzagalli, D. (November, 2007). Effects of chronic stress on incentive processing in humans. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.
5. Bureau, J-F., Hennighausen, K., Holmes, B.M., Dutra, L., & Lyons-Ruth, K. (March, 2008). Borderline personality features, adolescent suicidality, & disorganized adolescent parent interaction during a conflict task. Poster presented at the biennial meeting of the Society for Research on Adolescence, Chicago, IL, USA.
6. Lyons-Ruth, K. (May, 2008) A prospective longitudinal view of genetic vulnerability and quality of early care as contributors to borderline features. Paper presented as part of a symposium entitled The Scientific Basis of Interpersonal Dysfunction in Borderline Personality Disorder. L. W. Choi-Kain, Chair, at the annual meeting of the American Psychiatric Association, Washington, D.C.
7. Yumoto, C., Bureau, J-F, Nemoda, Z., Sasvari-Szekely, M., Lyons-Ruth, K. (June, 2008) The short serotonin transporter polymorphism and proneness to distress in infancy. Poster presented at the annual meeting of the Social & Affective Neuroscience Society, Boston, MA.
8. Holmes, B.M., Lyons-Ruth, K., & Hill, J. (July, 2008). Quality of friendships and well-being: Links across three generations. Paper presented as part of a symposium entitled Cross-Sectional, Dyadic, and Longitudinal Perspectives on Social Relations across the Adult Lifespan: Implications for Adaptive Outcomes. K. Fiori & E-M Mertz, Chairs, at the biennial meeting of the International Society for the Study of Behavioral Development, Würzburg, Germany.
9. Holmes, B.M., Gunning, M.D., Murray, L., Kelly, K.M., & Lyons-Ruth, K. (April, 2009). Emotional intelligence is related to mother-infant bonding problems. Paper presented as part of a symposium entitled Emotional Intelligence and the Parent-Child Relationship. B.M. Holmes & F.C. Jellesma, Chairs, at the biennial meeting of the Society for Research in Child Development, Denver, CO.
10. Lyons-Ruth, K., Bureau, J-F, Holmes, B.M., Sasvari-Szekely, M., Ronai, Z., & Nemoda, Z. (April, 2009). Gene-environment interaction in the serotonin system and adolescent impulsive, self-damaging behavior . Paper presented as part of a symposium entitled Gene Expression and the Early Caregiving Environment: A New Interdisciplinary Frontier. K. Lyons-Ruth & J-F Bureau, Chairs, at the biennial meeting of the Society for Research in Child Development, Denver, CO.
11. Lyons-Ruth, K., Bureau, J-F, Hennighausen, K.H., Holmes, B.M., & Easterbrooks. (April, 2009). Parental helplessness and adolescent role-reversal as correlates of borderline features

and self-injury. Paper presented as part of a symposium entitled Relational Predictors of Self-Damaging Behavior in Adolescence: Multiwave Longitudinal Analyses. J-F Bureau & K. Lyons-Ruth, Chairs, at the biennial meeting of the Society for Research in Child Development, Denver, CO.

12. O'Connor, E.E., Bureau, J-F, McCartney, K.A., & Lyons-Ruth, K. (April, 2009). Maternal and child correlates of controlling and disorganized patterns of attachment at age three. Paper presented as part of a symposium entitled Disorganized and Controlling Attachment Behaviors in Childhood: Child and Family Correlates in Low- and High-risk Samples. J-F Bureau & E.E. O'Connor, Chairs, at the biennial meeting of the Society for Research in Child Development, Denver, CO.
13. Bureau, J-F, Easterbrooks, A., & Lyons-Ruth, K. (April, 2009). The association between middle childhood controlling and disorganized attachment and family correlates in young adulthood Paper presented as part of a symposium entitled Disorganized and Controlling Attachment Behaviors in Childhood: Child and Family Correlates in Low- and High-risk Samples. J-F Bureau & E.E. O'Connor, Chairs, at the biennial meeting of the Society for Research in Child Development, Denver, CO.
14. Meier, M., Bureau, J-F, & Lyons-Ruth, K. (April, 2009). Attachment styles and dimensions as predictors of conduct disordered symptoms in adolescence. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
15. Lyubchik, A.C., Yumoto, C., Bureau, J-F, Nemoda, Z., Sasvari-Szekely, M., & Lyons-Ruth, K. (April, 2009). The short serotonin transporter polymorphism and proneness to distress in infancy. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
16. Ellertsdottir, L., Bertha, E.A., Bureau, J-F, & Lyons-Ruth, K. (April, 2009). Parental self-reported helplessness is related to observed young adult role-reversal: Further validation of the CHQ. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
17. Martin, J., Tupper, R.J., Bureau, J-F, Easterbrooks, A., & Lyons-Ruth, K. (April, 2009). The role of disorganized attachment in middle childhood as a potential mediator between family risk and behavioural problems. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
18. Tupper, R.J., Martin, J., Bureau, J-F, Easterbrooks, A., & Lyons-Ruth, K. (April, 2009). Longitudinal associations between disorganized attachment in middle childhood and clinical-, mother-, and child reported abuse. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Narrative Report

I am a developmental researcher and clinical psychologist. My major academic role at the medical school is as a developmental psychopathology researcher. As I began my research career, the prevailing understanding was that we could not identify in infancy those who would

develop psychopathology later in childhood or adulthood. Given the potential importance of such early identification, I began a prospective longitudinal study of children from adverse environments in infancy. The study has examined whether predictors of child and adult psychopathology can be identified during the first years of life. I also teach developmental theory and research to the HMS child psychiatry fellows, and disseminate new research in developmental psychopathology to practicing clinicians through national and international clinical speaking and writing. Approximately two-thirds of my time has been devoted to research, with one-third devoted to teaching, supervision, and clinical activities.

The initial focus of our longitudinal study was on the long-term risks potentially associated with maternal depression and disorganized parent-infant attachment relationships. Publications from the study were among the first to demonstrate the deleterious effects of maternal depression on infant development, in a series of publications from 1986 to 1993. . These reports, in concert with those from other labs, produced an explosion of interest in the influence of maternal depression on infant development that continues to the present. In addition, our early publications documented for the first time the increased risk for psychopathology associated with disorganization of the attachment relationship in infancy. These findings, along with associated findings from other labs, led NIMH to convene an expert panel in 1992, for which I was a contributing member, on Attachment and Psychopathology, aimed at examining the implications of this body of work for research priorities at NIMH. Subsequently, our lab has developed and validated an assessment tool for atypical forms of maternal behavior associated with disorganization of the infant's attachment behavior (AMBIANCE assessment). We have subsequently found that these early maternal behaviors make unique contributions to the prediction of psychopathology in childhood and young adulthood. The AMBIANCE assessment is now used both nationally and internationally. More recently, we are collaborating with neuroscience and genetics colleagues to examine the influence of early maltreatment and genetic vulnerability on later brain function.

My teaching activities include mentoring graduate students and post-doctoral fellows in my lab and training other laboratories in the use of the AMBIANCE assessment. I have also been teaching the fall semester of the required Processes of Normal Development course for the 18 first - year Child Psychiatry Fellows from Mass. General/McLean, Children's Hospital, and Cambridge Hospital. In 2005, I received a teaching award from the MGH/McLean Child Psychiatry Division for this course.

In summary, my teaching, research and clinical contributions have been oriented to bringing new developmental research to bear on understanding the emergence of clinical disorder. This work has contributed to the growing recognition that many child and adult psychiatric conditions have developmental precursors that are evident long before a disorder can be diagnosed.