

CURRICULUM VITAE

NAME: Stephen J. Suomi

DATE AND PLACE OF BIRTH: December 16, 1945, Chicago, Illinois

CURRENT POSITION: Chief, Laboratory of Comparative Ethology, National Institute of Child Health and Human Development, National Institutes of Health, DHHS (since October, 1983)

EDUCATION:

<u>Institution</u>	<u>Field</u>	<u>Degree</u>	<u>Year</u>
Stanford University	Psychology	B.A.	1968
University of Wisconsin	Psychology	M.A.	1969
University of Wisconsin	Psychology	Ph.D.	1971

TEACHING EXPERIENCE:

University of Wisconsin: 1970 Teaching Assistant, Department of Psychology
 1971-1974 Lecturer, Department of Psychology
 1975-1978 Assistant Professor, Department of Psychology
 1979-1983 Associate Professor, Department of Psychology
 1984 Professor, Department of Psychology
 1984-1986 Adjunct Professor of Psychology

University of Virginia, 1986-present: Research Professor, Department of Psychology

Pennsylvania State University, 1987-present: Adjunct Professor, Department of Human Development

University of Maryland, College Park:, 1987-present: Research Professor, Department of Psychology

The Johns Hopkins University, 1987-present: Research Professor, Department of Mental Hygiene

University of Maryland, Baltimore County, 1990-present: Adjunct Professor, Department of Psychology

Georgetown University, 2003-present: Affiliate Professor, Department of Psychology

RESEARCH EXPERIENCE:

July, 1967 to September, 1967: NSF summer undergraduate trainee in Psychology, Stanford University

February, 1968 to February, 1970: Research Assistant, Primate Laboratory, University of Wisconsin

February, 1970 to February, 1971: NIH predoctoral fellow in Psychology, University of Wisconsin

February, 1972 to March, 1976: Co-Principal Investigator, MH-11894 and MH-18070, Primate Laboratory research grants from the National Institute of Mental Health

- June, 1974 to December 1975: Principal Investigator, G. S. Searle & Co. grant (Effects of Antidepressant Drugs on Behavior in Rhesus Monkeys)
- April, 1976 to October, 1983: Principal Investigator, MH-11894 (Comprehensive Behavioral Studies)
- September, 1976 to October, 1983: Principal Investigator, MH-28485 (Production and Alleviation of Depression)
- February, 1978 to August, 1981: Principal Investigator, BNS77-06802, Primate Laboratory research grant from National Science Foundation (Studies of Social Separation in Monkeys)
- May, 1978 to January, 1980: Principal Investigator, G. D. Searle & Co. grant (Effects of Aspartame on Learning Performance of Young Stump-tail Macaques)
- September, 1981 to August, 1984: Affiliate Scientist, Wisconsin Regional Primate Research Center
- January, 1983 to October, 1983: Principal Investigator, Center for Field Research grant (Studies of Development and Adaptation in Free-Ranging Rhesus Monkeys)
- March, 1983 to October, 1983: Principal Investigator, Wisconsin Institute of Aging grant (Effects of Social Environment on Behavior and Physiology of Post-Reproductive Age Rhesus Monkeys)
- October, 1983 to present: Chief, Laboratory of Comparative Ethology, National Institute of Child Health and Human Development (IRP), National Institutes of Health (Bethesda, Maryland)
- September, 1987 to July, 1993: Affiliate Scientist, Yerkes Primate Center
- January, 1988 to December, 1992: Member, Research Group on Temperament, John D. and Catherine T. MacArthur Foundation Network on Affect
- August, 1990 to July, 1995: Member, Research Group on Adolescent Depression, W. T. Grant Foundation
- June, 1991 to August, 1998: Member, NIMH Family Research Consortium (Advisory Board, September 1998-present)
- May, 1992 to present: Faculty Member, Touch Research Institute, University of Miami School of Medicine.
- August, 1992 to June, 2003: Senior Research Associate, Human Development Program, Canadian Institute for Advanced Research.
- December, 1993 to present: Faculty Member, Center for Developmental Science, University of North Carolina at Chapel Hill.
- October, 1999 to present: Member, NIMH Network on Early Experience and Glucocorticoids.
- November, 1999 to present: Core Member, Panel on the Cognitive, Neural, and Genetic Bases of Social Behavior, James S. McDonnell Foundation.
- January, 2004 to present: Senior Research Associate, Program on experienced-based Brain and Biological development, Canadian Institute for Advanced Research.

MEMBERSHIP IN ACADEMIC SOCIETIES:

1970 - Sigma Xi
1973 - Psychonomic Society
1974 - American Association for the Advancement of Science (Elected Fellow, 1987)
1976 - Society for Research in Child Development
1976 - American Psychological Association (Elected Fellow, Division 6, 1984, Division 1, 2003)
1976 - International Primatological Society
1976 - American Society of Primatologists
1978 - Animal Behavior Society
1982 - International Society for the Study of Behavioral Development
1983 - International Society for Developmental Psychobiology
1983 - International Academy of Sex Research
1985 - Psi Chi (Honorary Member)
1985 - International Society for Research in Emotions
1987 - Association for Clinical Psychosocial Research
1988 - Society for Research in Child and Adolescent Psychopathology
1989 - American Psychological Society (Named Fellow, 1990)
1990 - International Society for Infant Studies
1991 - Society for Research in Adolescence
1992 - Society for Prevention Research
2003 - International Society for Research in Aggression
2004 - New York Academy of Science

THESES AND DISSERTATIONS:

Undergraduate Honors: The Effect of Differential Exposure on Attraction Toward Individuals (1968).

M.A.: The Development of Sex Preferences in Rhesus Monkeys (1969).

Ph.D.: Experimental Production of Depressive Behavior in Young Monkeys (1971)

OTHER PROFESSIONAL HONORS AND ACTIVITIES: (since 2000)

Invited Plenary Lecturer, National Institute of Child Health & Human Development Consortium on Study of the Family, Bethesda, Maryland, January, 2000.

Invited Participant, Presidential Symposium on "Evolutionary perspectives in psychology," Eastern Psychological Association, Baltimore, Maryland, March, 2000.

Invited Participant, Sackler Foundation Workshop on "Developmental aspects of stress, abuse, and neglect: From animal models to clinical studies and interventions," New York City, April, 2000.

Invited Plenary Lecturer, Georgetown Family Center Conference on "Individual variation and relationships," Washington, D.C., April, 2000.

Child Development Lecturer, Montreal Children's Hospital, Montreal, Canada, April, 2000.

Co-Organizer (with M. Lewis), International Conference on "Effects of differential maternal behavior in primates," Humacao, Puerto Rico, April, 2000.

Invited Keynote Lecturer, Collaborative Center for Child Well-Being Conference on child well-being: Positive elements across the lifespan, Atlanta, Georgia, June, 2000.

Invited Plenary Luncheon Speaker, Head Start's Fifth National Research Conference, Washington, D.C., June 2000.

Invited Address, Division 50, American Psychological Association Annual Convention, Washington, D.C., August, 2000.

Invited Plenary Lecturer, International Congress on Constructivism in Cognitive Psychotherapy, Geneva, Switzerland, September, 2000.

Invited Keynote Lecturer, American Family Therapy Academy, Niagara-on-the-Lake, Canada, October, 2000.

Invited Lecturer, Robert B. Cairns Memorial Conference, Chapel Hill, North Carolina, October, 2000.

Member, National Institute of Child Health & Human Development Ad Hoc Committee on K-22 Awards, October, 2000-present.

Invited Lecturer, Center for the Development of Human Services, Inc. Great Beginnings Conference, Framingham, Massachusetts, October, 2000.

Member, National Institutes of Health Ad Hoc Committee on ILAR Handbook on Neuroscience and Behavioral Science Animal Procedures, November 2000-present.

Invited Participant, Johnson & Johnson Pediatric Round Table , Palm Beach, Florida, January, 2001.

Invited Plenary Lecturer, International Neuropsychology Society, Chicago, Illinois, February, 2001.

Invited Participant, Cold Spring Harbor Conference on Childhood Depression: A Critical Review, Cold Spring Harbor, New York, February, 2001.

Invited Keynote Lecturer, Red River Psychological Association, Moorhead, MN, March, 2001.

Invited Participant, Brown University Conference on Genetics and Behavior, Providence, RI, April, 2001.

Invited Plenary Lecturer, Stanford Alumni Conference on Developmental Psychopathology, Stanford, CA, April, 2001.

Susan J. Wise Memorial Lecturer, Boston Psychoanalytic Society, Boston, MA, April, 2001.

Thomas M. Watson Memorial Lecturer, Rutgers University, Piscataway, NJ, May, 2001.

Invited Plenary Lecturer, Society for Biological Psychiatry, New Orleans, LA, May, 2001.

Invited Participant, Georgia State University Conference on the Psychobiology of Aggression, Atlanta, GA, July ,2001.

Invited Participant, Plenary Symposium on Early Experience Effects on HPA Axis Functioning, International Society for Psychoneuroendocrinology, Quebec City, Canada, August, 2001.

Invited Plenary Lecturer, Neuro-Psychoanalysis Center of the New York Psychoanalytic Society, New York, NY, November, 2001.

Invited Lecturer, Texas Institute for Society and Health, Baker Institute for Public Policy, Houston, TX, December, 2001.

Institute for Behavioral Research Annual Family Colloquium Lecturer, University of Georgia, Athens, GA, March, 2002.

Invited Plenary Lecturer, 17th Biennial Conference on Human Development, Charlotte, NC, April, 2002.

Invited Plenary Lecturer, International Workshop on Effects of Early Life Events on Mind-Body-Brain Interactions, Sedona, AZ, April, 2002.

Invited Plenary Lecturer, Annual Meeting of the Royal College of Paediatrics and Child Health, York, England, April, 2002.

Keynote Speaker, Sigma Xi Annual Meeting, Georgetown University, Washington, DC, April, 2002.

Invited Plenary Lecturer, American Society for Eating Disorders 2002 International Conference, Boston, MA, April, 2002.

Invited Plenary Lecturer, 5th Annual International Developmental Science Institute, Pennsylvania State University, State College, PA, May, 2002.

Invited Plenary Lecturer, Canadian Institute for Advanced Research All-Programs Meeting, Banff, Canada, June, 2002.

Invited Plenary Lecturer, 2002 Meeting of the Neurobehavioral Teratology Society, Scottsdale, AZ, June, 2002.

Invited Participant, Commission on Children at Risk Working Conference, Dartmouth Medical School, Hanover, NH, June, 2002.

Invited Plenary Lecturer, International Institute of Objects Relations Therapy Summer Institute, Chevy Chase, MD, July, 2002.

Invited Plenary Lecturer, International Society for Research in Aggression, Montreal, Canada, July, 2002.

Invited Plenary Lecturer, International Society for Neuro-Psychoanalysis, Stockholm, Sweden, September, 2002.

Member, Behavioral Intramural Research Promotion Sub-Committee, National Institutes of Health, September, 2002-present.

Invited Keynote Lecturer, Washington Professional Society for Psychoanalysis, Washington, DC, October, 2002

Invited Participant, Festschrift in Honor of Professor Duane Rumbaugh, Georgia State University, Atlanta, GA, October, 2002.

Invited Participant, The John Hopkins University Department of Mental Hygiene Symposium, Baltimore, MD, November, 2002.

Invited Plenary Lecturer, Johnson & Johnson Pediatric Institute Workshop: The Science of Early child Development, Beijing & Shanghai, China, November, 2002

Invited Plenary Lecturer, Conference on Posttraumatic Stress Disorders: Biological, Cultural, and Clinical Approaches, Foundation for Psycho-cultural Research, University of California, Los Angeles, Los Angeles, CA, December, 2002

Elected Fellow, Division 1 (General), American Psychological Association

Invited plenary lecture, Facts of Life 2003 Workshop on Relations: Common Denominators in Illness and Health, Rice University/ University of Texas Health Sciences Center, Houston, TX, January, 2003

Invited participant, National Institute of Mental Health Research Roundtable: Hormones and Psychopathology in Adolescence, Rockville, MD, February, 2003.

Invited presentation, National Institutes of Health Scientific Symposium for Brain Awareness Week, Bethesda, MD, March, 2003

Invited Facilitator and Lecturer, Roots of Mental Illness in Children Conference, New York Academy of Sciences, New York, NY, March, 2003.

President's Invited Speaker, Eastern Psychological Association Annual Convention, Baltimore, MD, March, 2003.

Keynote lecturer, Maternal and Child Health Bureau Developmental and Behavioral Pediatrics Fellowship Training Program Annual Meeting, Baltimore, MD, April, 2003.

Invited plenary lecturer, Georgetown Family Center Conference on The Relationship System and Individual Variation in Functioning, Georgetown University, Washington, DC, April, 2003.

Visiting Professor, Department of Psychiatry, University of Iowa Health Sciences Center, Iowa City, Iowa, May, 2003.

Invited plenary lecturer, 20th Annual conference on Infancy, Childhood, and Adolescence, Utah State University, Logan, Utah, May, 2003.

Member, Nominations Committee, American Society of Primatologists, 2003-present.

Invited Keynote Lecturer, "Hardwired to Connect" Congressional staff briefing, Washington, DC, September, 2003.

Invited plenary lecturer, 2nd Annual Trier Summerschool of Psychobiology, Saarburg, Germany, September, 2003.

Invited plenary lecturer, Society for Research in Psychopathology, Toronto, Canada, October, 2003.

Award for Outstanding Scientific Contribution, Bowen Center for the Study of the Family, Washington, DC (awarded 11/8/03).

Invited Special Lecturer, Lipsitt-Dunhill Symposium on “Behavioral misadventures in adolescence,” Brown University, Providence, RI, November, 2003.

Inaugural Lecture in Affective Neuroscience, University of Dresden, Dresden, Germany, December, 2003.

Invited participant, Gordon Conference on Genes and Behavior, Ventura, CA, February, 2004.

Invited Lecturer, Scientific Colloquium Series, Goddard Space Flight Center, Greenbelt, MD, February, 2004.

Visiting Expert Professor, Institute for Child Development, University of Minnesota, Minneapolis, MN, March, 2004.

Invited plenary lecturer, Society for Sex Therapy and Research, Crystal City, VA, April, 2004.

Invited plenary lecturer, Body of Knowledge:Health & society, Canadian Institute for Advanced Research, Toronto, Ontario, Canada, April, 2004.

Center for Mammalian Genetics Inaugural Lecturer, University of Oregon, Eugene, OR, April, 2004.

Annual Neurosciences Lecturer, Emory University, Atlanta, GA, April, 2004.

Invited plenary lecturer, Washington Psychoanalytic Society, Washington, DC, April, 2004.

Invited participant, International Workshop on Impact of Genetics Research on Psychiatry, McGill University, Montreal, Quebec, Canada, May, 2004.

Invited participant, Novartis Foundation symposium on Molecular Mechanisms Influencing Aggressive Behaviours, London, UK, July, 2004.

Invited Master Lecturer, American Psychological Association, Honolulu, HA. July, 2004.

Invited plenary lecturer, Marcee Society, Oxford, UK, September, 2004.

Invited participant, International Conference on Children Without Attachment – Deprivation, Adoption, and Psychotherapy, Munich, Germany, October, 2004.

Invited participant, Brown University Pembroke Center Research Roundtable on Understanding sexual Differentiation: A New Paradigm for Psychology, Providence, RI, November, 2004.

Invited plenary lecturer, 19th Winter Conference on Current Issues in Developmental Psychobiology, Panama City, Panama, January, 2005.

Invited plenary lecturer, American Psychoanalytic Association, New York, NY, January, 2005.

Invited participant, NIDA Conference on Youth with Multiple Problem Behaviors: A Translational Perspective, Bethesda, MD, January, 2005.

Invited participant, NIMH conference on Neuroendocrine Signaling in Adolescence: Relevance to Mental Health, Rockville, MD, February, 2006.

Invited plenary lecturer, Foundation for Psychocultural Research – UCLA Interdisciplinary Conference on Four Dimensions of Childhood: Brain, Mind, Culture, and Time, Los Angeles, CA, February, 2005.

Invited speaker, Oxford Human Sciences Symposium 2005, Oxford, UK, February, 2005.

Invited plenary lecturer, 8th Annual Satellite Research Symposium, Anxiety Disorders of America, Seattle, WA, March, 2005.

Invited plenary lecturer, Psychoanalytic Association of New York, New York, NY, March, 2005.

Invited participant, Bowen Center for the Study of the Family Conference on The Family and the Brain: an Integrated Circuit, Arlington, VA, April, 2005.

John Kennell Lecturer for 2005, Case Western Reserve University, Cleveland, OH, May, 2005.

Invited plenary lecturer, Trauma Conference in Boston, Boston, MA, June, 2005.

Invited lecturer, NIH/Cornell Veterinary Student Leadership Program, Bethesda, MD, June, 2005.

Invited Keynote Lecturer, 2nd International Theraplay Conference, July, 2005.

Invited participant, NHLBI Behavior Genetics and CVD Working Group meeting, Bethesda, MD, August, 2005.

Invited speaker, Academic Convocation on Problem Solving in the 21st Century, Michigan State University Sesquicentennial Anniversary Celebration, East Lansing, MI, September, 2005.

Invited Keynote Lecturer, Virginia Council of the AACAP Fall Symposium on Gene-Environment Interaction in Development, Richmond, VA, September, 2005.

Invited plenary lecturer, International Society for Psychoneuroendocrinology, Montreal, Canada, September, 2005

Spiker Annual Lecturer, University of Iowa, Iowa City, IA, October, 2005.

Osler Lecturer, McGill University, Montreal, Canada, November, 2005.

Member, scientific Advisory board, Washington National Primate Research Center, November, 2005-present

Invited Keynote Lecturer, All-Swedish Consortium on Alcohol Research, Karolinska Institutet, Stockholm, Sweden, February, 2006.

Invited speaker, New York Academy of Sciences/Brown Medical School meeting on Resilience in Children, Arlington, VA, February, 2006.

Invited participant, conference on Molecular Primatology: Progress and Promise, New York University, New York, NY, March, 2006.

Invited Annual Banquet Lecturer, Sigma Xi, Virginia Polytechnic Institute, Blacksburg, VA, April, 2006.

Invited participant, Risk, resilience, and Recovery Conference, Yale Child Study Center, New Haven, CT, April, 2006.

Invited Neuroscience and Behavior Annual Banquet Lecturer, University of Massachusetts, Amherst, Massachusetts, May, 2006.

Invited lecturer, NIH/Cornell Veterinary Student Leadership Program, Bethesda, MD, June, 2006.

Invited participant, International Workshop on Development of Behaviour Problems, Utrecht University, Utrecht, the Netherlands, June, 2006.

Invited plenary lecturer, NIH OBSSR 10th Aniversary Celebration, Bethesda, MD, June, 2006.

Invited participant, NIMH/NIDA Workshop on Gene X Environment Interactions and Developmental Psychopathology, Washington, DC, June, 2006.

Invited plenary lecturer, 7th International Neuro-Psychoanalysis Congress, Pasadena, CA, July, 2006.

Invited Keynote Lecturer, International Society for Human Ethology, Detroit, MI, August, 2006.

Member, Scientific Advisory Board, California National Primate Research Center, September, 2006-present.

CONSULTANT:

British Broadcasting Corporation

Canadian Broadcasting Corporation

Canadian Institute for Advanced Research

Cystic Fibrosis Foundation

Educational Commission of the States

Eli Lilly

Food and Drug Administration

Harry Frank Guggenheim Foundation

Human Frontier Science Program

International Life Sciences Institute

International Psychiatric Research Foundation

International Society for the Study of Behavioral Development

John D. And Catherine T. MacArthur Foundation

Johnson & Johnson Pediatric Institute

March of Dimes Foundation

Max Planck Society (Germany)

Medical Research Council (Great Britain)

National Geographic Society

National Institutes of Health

National Science Foundation

Primate Centre TNO (The Netherlands)

Public Broadcasting Service

R.A.I. (Italian National Television Network)

Royal Society (UK)

Smithsonian Institution

Social Science Research Council

The Leaky Foundation
 U.S. Department of Agriculture
 U.S. House of Representatives
 U.S. Office of Naval Research
 U.S. Veterans Administration
The Washington Post
 W. T. Grant Foundation

JOURNAL EDITORIAL DUTIES:

Associate Editor: Psychiatry (1986-present)

Editorial Board: Journal of Development and Psychopathology (1988-1991)
Psychological Methods (1995-present)
Parenting: Science and Practice (2000-present)
Foundations in Social Neuroscience (2000-present)

Advisory Board: Journal of Child Psychology and Psychiatry (1976-2000)
Infant Behavior and Development (1981-1985)

Consulting Editor: American Journal of Primatology
Child Development
Developmental Psychobiology
Developmental Psychology

Reviewer: Aggressive Behavior
American Journal of Primatology
American Journal of Psychiatry
American Psychologist
Animal Behaviour
Animal Learning and Behavior
Archives of General Psychiatry
Behavior Research Methods and Instrumentation
Behavioral and Brain Sciences
Behavioral and Neural Biology
Behavioral Neurosciences
Behaviour
Biological Psychiatry
Child Development
Developmental Psychobiology
Developmental Psychology
Infant Behavior and Development
International Journal of Comparative Psychology
International Journal of Primatology
Journal of Abnormal Psychology
Journal of Autism and Developmental Disorders
Journal of Child Psychology and Psychiatry
Journal of Comparative and Physiological Psychology

Journal of Comparative Psychology
Journal of Experimental Psychology: Animal Behavior Processes
Journal of Experimental Psychology: General
Journal of Medical Primatology
Journal of Nervous and Mental Disease
Life Sciences
Monographs on Infancy
Perspectives on Psychological Science
Psychiatry Research
Psychological Bulletin
Psychological Methods
Psychological Review
Psychoneuroendocrinology
Science
Society for Research in Child Development Monographs

PUBLICATIONS:

1. Suomi, S. J., & Harlow, H. F. (1969). Apparatus conceptualization for psychopathological research in monkeys. Behavior Research Methods and Instrumentation, 1, 247-250.
2. Suomi, S. J., Harlow, H. F., & Lewis, J. K. (1970). Effect of bilateral frontal lobectomy on social preferences of rhesus monkeys. Journal of Comparative and Physiological Psychology, 70, 448-453.
3. Suomi, S. J., Sackett, G. P., & Harlow, H. F. (1970). Development of sex preferences in rhesus monkeys. Developmental Psychology, 3, 326-336.
4. Harlow, H. F., & Suomi, S. J. (1970). The nature of love -- simplified. American Psychologist, 25, 161-168.
5. Suomi, S. J., Harlow, H. F., & Domeck, C. J. (1970). Effects of repetitive infant-infant separation in young monkeys. Journal of Abnormal Psychology, 76, 161-172.
6. Harlow, H. F., Suomi, S. J., & McKinney, W. T. (1970). Experimental production of depression in monkeys. Mainly Monkeys, 1, 6-12.
7. Harlow, H. F., Suomi, S. J. (1970). Induced psychopathology in monkeys. Engineering and Sciences, 33, 8-14.
8. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1971). Depression in primates. American Journal of Psychiatry, 127, 1313-1320.
9. Suomi, S. J., & Harlow, H. F. (1971). Abnormal social behavior in young monkeys. In J. Hellmuth (Ed.), The exceptional infant, Vol. II. New York: Bruner-Mazel. Pp. 483-429.
10. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1971). The sad ones: Studies in depression. Psychology Today, 4, 60-63.
11. Harlow, H. F., & Suomi, S. J. (1971). Social recovery by isolate-reared monkeys. Proceeding of the National Academy of Sciences, 67, 1534-1538.

12. Harlow, H. F., Harlow, M. K., & Suomi, S. J. (1971). From thought to therapy. American Scientist, 59, 538-549.
13. Harlow, H. F., & Suomi, S. J. (1971). Production of depressive behavior in young monkeys. Journal of Childhood Autism and Schizophrenia, 1, 246-255.
14. Suomi, S. J., Harlow, H. F., & Kimball, S. D. (1971). Behavioral effects of prolonged partial social isolation in the rhesus monkey. Psychology Reports, 29, 1171-1177.
15. McKinney, W. T., Eising, R. G., Moran, E. C., Suomi, S. J., & Harlow, H. F. (1971). Effects of reserpine on the social behavior of rhesus monkeys. Diseases of the Nervous System, 32, 735-741.
16. Suomi, S. J., & Harlow, H. F. (1971). Monkeys at play. Natural History, 80, 72-76.
17. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1972). Use of monkeys to study depression. Resident and Staff Physician, 18, 44-49.
18. Suomi, S. J., Harlow, H. F., McKinney, W. T. (1972). Monkey psychiatrists. American Journal of Psychiatry, 128, 927-932.
19. Harlow, H. F., Harlow, M. K., Hansen, E. W., & Suomi, S. J. (1972). Infantile sexuality in monkeys. Archives of Sexual Behavior, 2, 1-7.
20. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1972). Vertical chamber confinement of juvenile age rhesus monkeys: A study in experimental psychopathology. Archives of General Psychiatry, 26, 223-228.
21. Suomi, S. J., & Harlow, H. F. (1972). Social rehabilitation of isolate-reared monkeys. Developmental Psychology, 6, 487-496.
22. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1972). Repetitive peer separations of juvenile age rhesus monkeys. Archives of General Psychiatry, 27, 200-204.
23. Suomi, S. J., & Harlow, H. F. (1972). Depressive behavior in young monkeys subjected to vertical chamber confinement. Journal of Comparative and Physiological Psychology, 80, 11-18.
24. Suomi, S. J. (1972). Reversal of monkey psychopathology produced by isolation-rearing. New York State Psychological Association Newsletter, 10, 5-6.
25. Suomi, S. J. (1972). Social development of rhesus monkeys reared in an enriched laboratory environment. XXth International Congress of Psychology. Tokyo: Sasaki Co. Pp. 173-174.
26. Harlow, H. F., Suomi, S. J., & Gluck, J. P. (1972). Generalization of behavioral data between nonhuman and human animals. American Psychologist, 27, 709-716.
27. Suomi, S. J. (1973). Surrogate rehabilitation of monkeys reared in total social isolation. Journal of Child Psychology and Psychiatry, 14, 71-77.
28. Suomi, S. J. (1973). Repetitive peer separation of young monkeys: Effects of vertical chamber confinement during separations. Journal of Abnormal Psychology, 83, 1-10.

29. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1973). Methods and models in primate personality research. In J. Westman (Ed.), Individual differences in children. New York: John Wiley. Pp. 265-278.
30. Young, L. D., Suomi, S. J., Harlow, H. F., & McKinney, W. T. (1973). Early stress and later response to separation. American Journal of Psychiatry, 130, 400-405.
31. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1973). New models of separation and depression in rhesus monkeys. In J. P. Scott & E. C. Senay (Eds.), Separation and depression: Clinical and research aspects. Washington, DC: American Association for the Advancement of Science. Pp. 53-66.
32. Suomi, S. J., Eisele, C. D., Grady, S. A., & Tripp, R. L. (1973). Social preferences of monkeys reared in an enriched laboratory environment. Child Development, 44, 451-460.
33. McKinney, W. T., Young, L. D., Suomi, S. J., & Davis, J. M. (1973). Chlorpromazine treatment of disturbed monkeys. Archives of General Psychiatry, 29, 490-494.
34. McKinney, W. T., Suomi, S. J., Kliese, K. A., & Moran, E. C. (1973). Can psychopathology be reinduced in rhesus monkeys? Archives of General Psychiatry, 29, 630-634.
35. Suomi, S. J., Collins, M. L., & Harlow, H. F. (1973). Effects of permanent separation from mother on infant monkeys. Developmental Psychology, 9, 376-384.
36. Ruppenthal, G. C., Harlow, M. K., Eisele, C. D., Harlow, H. F., & Suomi, S. J. (1974). Development of peer interactions of monkeys reared in nuclear family environment. Child Development, 45, 670-682.
37. Allen, J. R., McWey, P. J., & Suomi, S. J. (1974). Pathobiological and behavioral effects of lead intoxication in the infant rhesus monkey. Environmental Health Perspectives, 7, 239-246.
38. Harlow, H. F., & Suomi, S. J. (1974). Induced depression in monkeys. Behavioral Biology, 12, 273-296.
39. Suomi, S. J., Harlow, H. G., & Novak, M. A. (1974). Reversal of social deficits produced by isolation rearing in monkeys. Journal of Human Evolution, 3, 527-534.
40. Suomi, S. J. (1974). Social interactions of monkeys reared in a nuclear family environment versus monkeys reared with mothers and peers. Primates, 15, 311-320.
41. Baldwin, D. V., & Suomi, S. J. (1974). Reactions of infant monkeys to social and nonsocial stimuli. Folia Primatologica, 22, 307-314.
42. Suomi, S. J. (1974). Modelos de depresion de los monos. Proceedings of the Second Argentine Congress of Psychopathology of Childhood and Adolescence. Buenos Aires: Paidos-Asappia. Pp. 13-25.
43. Suomi, S. J. (1974). El comportamiento de los primates. Proceedings of the Second Argentine Congress of Psychopathology of Childhood and Adolescence. Buenos Aires: Paidos-Asappia. Pp. 27-50.
44. Harlow, H. F., & Suomi, S. J. (1975). Generalization of behavior from monkey to man. In G. Lindzey, C. Hall, & R. F. Thompson (Eds.), Psychology. New York: Worth. Pp. 34-35.
45. Suomi, S. J., & Harlow, H. F. (1975). Effects of differential removal from group on social development of rhesus monkeys. Journal of Child Psychology and Psychiatry, 16, 149-164.

46. Nealis, P. M., Carpentier, A., Suomi, S. J., & Harlow, H. F. (1975). Dynamic stimulus display for the WGTA. Behavior Research Methods and Instrumentation, 7, 291-293.
47. Suomi, S. J., & Harlow, H. F. (1975). Experiencias tempranas y psicopatología inducida en monos rhesus. Revista Latinoamericana de Psicología, 7, 205-229.
48. Suomi, S. J., Eisele, C. D., Grady, S. A., & Harlow, H. F. (1975). Depressive behavior in adult monkeys following separation from family environment. Journal of Abnormal Psychology, 84, 576-578.
49. Suomi, S. J., & Harlow, H. F. (1975). The role and reason of peer friendships. In M. Lewis & L. A. Rosenblum (Eds.), Friendship and peer relations. New York: Basic Books. Pp. 310-334.
50. McKinney, W. T., Suomi, S. J., & Harlow, H. F. (1975). Experimental psychopathology in nonhuman primates. In D. A. Hamburg & H. K. Brodie (Eds.), New psychiatric frontiers: American handbook of psychiatry, 2nd ed., Vol. 6. New York: Basic Books. Pp. 310-334.
51. Cummins, M. S., & Suomi, S. J. (1976). Long-term effects of social rehabilitation in rhesus monkeys. Primates, 17, 43-51.
52. Suomi, S. J., Collins, M. L., Harlow, H. F., & Ruppenthal, G. C. (1976). Effects of maternal and peer separations on young monkeys. Journal of Child Psychology and Psychiatry, 17, 101-112.
53. Suomi, S. J. (1976). Factors affecting responses to social separation in rhesus monkeys. In G. Serban & A. Kling (Eds.), Animal models in human psychobiology. New York: Plenum Press. Pp. 9-26.
54. Ruppenthal, G. C., Arling, G. L., Harlow, H. F., Sackett, G. P., & Suomi, S. J. (1976). A 10-year perspective of motherless-mother monkey behavior. Journal of Abnormal Psychology, 85, 341-349.
55. Suomi, S. J. (1976). Mechanisms underlying social development: A reexamination of mother-infant interactions in monkeys. In A. D. Pick (Ed.), Minnesota symposia on child psychology, Vol. 10. Minneapolis: University of Minnesota Press. Pp. 201-228.
56. Suomi, S. J., & Harlow, H. F. (1976). The facts and functions of fear. In M. Zuckerman & C. D. Spielberger (Eds.), Emotions and anxiety: New concepts, methods, and applications. Hillsdale, NJ: Erlbaum. Pp. 3-34.
57. Suomi, S. J. (1976). Experience precoce et développement social du singe rhesus. Psychiatrie de l'Enfant, 19, 270-302.
58. Suomi, S. J., DeLizio, R., & Harlow, H. F. (1976). Social rehabilitation of separation-induced depressive disorders in monkeys. American Journal of Psychiatry, 133, 1279-1285.
59. Suomi, S. J. (1977). Development of attachment and other social behaviors in rhesus monkeys. In T. Alloway, P. Pliner, & L. Krames (Eds.), Advances in the study of communication and affect: Attachment behavior, Vol. 3. New York: Plenum Press. Pp. 197-224.
60. Suomi, S. J. (1977). Neglect and abuse of infants by rhesus monkey mothers. Voices, 12, 5-8.
61. Rajecki, D. W., Suomi, S. J., Scott, E. A., & Campbell, B. (1977). Effects of social isolation and social separation in domestic chicks. Developmental Psychology, 12, 143-155.

62. Suomi, S. J., Harlow, H. F. (1977). Production and alleviation of depressive behaviors in monkeys. In J. Maser & M. E. P. Seligman (Eds.), Psychopathology: Experimental models. San Francisco: W. H. Freeman. Pp. 131-173.
63. Suomi, S. J., & LeRoy, H. A. (1977). Wisconsin's Primate Laboratory: A personal perspective. Redbook (University of Wisconsin Graduate School Report to WARF Trustees).
64. Suomi, S. J. (1977). Adult male-infant interactions among monkeys living in nuclear families. Child Development, 48, 1255-1270.
65. Suomi, S. J., & Harlow, H. F. (1977). Early separation and behavioral maturation. In A. Oliverio (Ed.), Genetics, environment and intelligence. Amsterdam: Elsevier/North Holland Biomedical Press. Pp. 197-214.
66. Nealis, P. M., Harlow, H. F., & Suomi, S. J. (1977). Effects of stimulus movement on discrimination learning by rhesus monkeys. Bulletin of the Psychonomic Society, 10, 161-164.
67. Greene, S. E., Nealis, P. M., & Suomi, S. J. (1977). Novelty and familiarity in discrimination learning by rhesus monkeys. Bulletin of the Psychonomic Society, 10, 399-401.
68. Suomi, S. J., Seaman, S. T., Lewis, J. K., DeLizio, R. D., & McKinney, W. T. (1978). Effects of imipramine treatment on separation-induced social disorders in rhesus monkeys. Archives of General Psychiatry, 35, 321-325.
69. Suomi, S. J., & White, L. E. (1978). Summary of "Early Social Behaviour." In D. Chivers & J. Herbert (Eds.), Recent advances in primatology, Vol. 1. London: Academic Press. Pp. 143-145.
70. Rajecki, D. W., Lamb, M. E., & Suomi, S. J. (1978). Effects of multiple peer separation in domestic chicks. Developmental Psychology, 14, 379-387.
71. Suomi, S. J., & Harlow, H. F. (1978). Early experience and social development in rhesus monkeys. In M. E. Lamb (Ed.), Social and personality development. New York: Holt, Rinehart & Winston, Pp. 262-271.
72. White, L. E., & Suomi, S. J. (1978). Early social behaviour: An introduction. In D. Chivers & J. Herbert (Eds.), Recent advances in primatology, Vol. 1. London: Academic Press. Pp. 101-103.
73. Suomi, S. J. (1978). Maternal behavior by socially incompetent monkeys: Neglect and abuse of offspring. Journal of Pediatric Psychology, 3, 28-34.
74. Mineka, S., & Suomi, S. J. (1978). Social separation in monkeys. Psychological Bulletin, 85, 1376-1400.
75. Suomi, S. J. (1978). Is a general theory of attachment feasible? The Behavioral and Brain Sciences, 3, 459-460.
76. Lamb, M. E., Suomi, S. J., & Stephenson, G. R. (Eds.). (1979). Social interaction analysis: Methodological issues. Madison, WI: University of Wisconsin Press.
77. Suomi, S. J. (1979). Levels of analysis for interactive data collected on monkeys living in complex social groups. In M. E. Lamb, S. J. Suomi, & G. R. Stephenson (Eds.), Social interaction analysis: Methodological issues. Madison, WI: University of Wisconsin Press. Pp. 119-136.
78. Suomi, S. J. (1979). Differential development of various social relationships by rhesus monkey infants. In M. Lewis & L. A. Rosenblum (Eds.), Genesis of behavior: Vol. 2, The child and its family. New York: Plenum Press. Pp. 219-244.

79. Suomi, S. J. (1979). Peers, play, and primary prevention in primates. In M. W. Kent & J. E. Rolf (Eds.), Primary prevention in psychopathology: Volume III, Social competence in children. Hanover, NH: Press of New England. Pp. 127-149.
80. Suomi, S. J. (1980). Genetic, maternal, and environmental influences on social development in rhesus monkeys. Anthropologia Contemporanca, 3, 279.
81. Suomi, S. J. (1980). Effects of aspartame on the learning test performance of young stump-tail macaques. In Proceedings of the F.D.A. Public Board of Inquiry. Federal Register, January 29.
82. Suomi, S. J., Kraemer, G. W., Baysinger, C. M., & Delizio, R. D. (1981). Inherited and experiential factors associated with individual differences in anxious behavior displayed by rhesus monkeys. In D. G. Klein & J. Rabkin (Eds.), Anxiety: New research and changing concepts. New York: Raven Press. Pp. 179-200.
83. Mineka, S., Suomi, S., & DeLizio, R. (1981). Multiple peer separations in adolescent monkeys: An opponent-process analysis. Journal of Experimental Psychology: General, 110, 56-85.
84. Scallet, A. C., Suomi, S. J., & DeLizio, R. (1981). Sex differences in adrenocortical response to controlled agonistic encounters in rhesus monkeys. Physiology and Behavior, 26, 385-390.
85. Sackett, G. P., Sameroff, A. S., Cairns, R. B., & Suomi, S. J. (1981). Continuity in behavioral development: Theoretical and empirical issues. In K. Immelmann, G. W. Barlow, L. Petrinovich, & M. Main (Eds.), Behavioral development: The Bielefeld interdisciplinary project. New York: Cambridge University Press. Pp. 395-431.
86. Immelmann, K., & Suomi, S. J. (1981). Sensitive phases in development. In K. Immelmann, G. W. Barlow, L. Petrinovich, & M. Main (Eds.), Behavioral development: The Bielefeld interdisciplinary project. New York: Cambridge University Press. Pp. 395-431.
87. Parke, R. D., & Suomi, S. J. (1981). Adult male-infant relationships: Human and nonhuman primate evidence. In K. Immelmann, G. W. Barlow, L. Petrinovich, & M. Main (Eds.), Behavioral development: The Bielefeld interdisciplinary project. New York: Cambridge University Press. Pp. 700-725.
88. Suomi, S. J. (1981). Genetic, maternal, and environmental influences on social development in rhesus monkeys. In A. B. Chiarelli & R. S. Corruccini (Eds.), Primate behavior and sociobiology. Selected papers (Part B) of the VIIIth Congress of the International Primatological Society, 1980. New York: Springer-Verlag. Pp. 81-87.
89. Suomi, S. J. (1981). Contingency, perception, and social development. In M. E. Lamb & L. R. Sherrod (Eds.), Infant social cognition. Hillsdale, NJ: Lawrence Erlbaum Associates. Pp. 177-203.
90. Suomi, S. J. (1982). Sibling relationships in nonhuman primates. In M. E. Lamb & B. Sutton-Smith (Eds.), Sibling relationships: Their development and significance. Hillsdale, NJ: Lawrence Erlbaum. Pp. 284-309.
91. Suomi, S. J. (1982). Animal models of human psychopathology: Relevance for clinical psychology. In P. Kendall & J. Butcher (Eds.), Handbook of research methods in clinical psychology. New York: John Wiley. Pp. 249-271.
92. Suomi, S. J. (1982). Why does play matter? Behavioral and Brain Sciences, 5, 169-170.
93. Suomi, S. J., & LeRoy, H. E. L. (1982). Harry F. Harlow: A memorial. American Journal of Primatology, 2, 319-342.

94. Rush, D. K., Mineka, S., & Suomi, S. J. (1982). The effects of control and lack of control on active and passive avoidance in rhesus monkeys. Behavior Research and Therapy, 26, 135-152.
95. Suomi, S. J. (1982). Early experience and early behaviors: A review. Animal Behaviour, 30, 311-312.
96. Suomi, S. J. (1982). Biological foundations and developmental psychobiology. In C. Kopp & N. Krakow (Eds.), The child: Development in social context. Reading, MA: Addison-Wesley. Pp. 63-108.
97. Snowdon, C. T., & Suomi, S. J. (1982). Paternal behavior in primates. In H. E. Fitzgerald, J. A. Mullins, & P. Gage (Eds.), Child nurturance, Vol. 3. New York: Plenum Press. Pp. 63-108.
98. Suomi, S. J. (1982). Abnormal behavior and primate models of psychopathology. In J. L. Forbes & J. E. King (Eds.), Primate behavior. New York: Academic Press. Pp. 171-215.
99. Suomi, S. J. (1982). Baboon mothers and infants: A review. Child Development Abstracts and Bibliography, 56, 367.
100. Suomi, S. J. (1982). The development of social competence by rhesus monkeys. In P. Turillazzi, L. Rosenblum, & S. Suomi (Eds.), Normal and abnormal social development in primates. Rome: Programma di Instituto Superiore di Sanita. Pp. 193-202.
101. Turillazzi, P. G., Rosenblum, L. A., & Suomi, S. J. (Eds.). (1982). Normal and abnormal social development in primates. Rome: Programma di Instituto Superiore di Sanita.
102. Suomi, S. J., Mineka, S., & Harlow, H. F. (1983). Social separation in monkeys as viewed from several motivational perspectives. In E. Satinoff & P. Teitelbaum (Eds.), Handbook of behavioral neurobiology: Vol. 6 Motivation. New York: Plenum Press. Pp. 543-583.
103. Suomi, S. J., & Ripp, C. (1983). A history of motherless mother monkey mothering at the University of Wisconsin Primate Laboratory. In M. Reite & N. Caine (Eds.), Monographs in primatology, Vol. 1, Child abuse: The nonhuman primate data. New York: Alan R. Liss. Pp. 49-77.
104. Suomi, S. J., Mineka, S., & DeLizio, R. D. (1983). Short- and long-term effects of repetitive mother-infant separations on social development in rhesus monkeys. Developmental Psychology, 19, 770-786.
105. Suomi, S. J. (1983). Models of depression in primates. Psychological Medicine, 13, 465-468.
106. Suomi, S. J., & Immelmann, K. (1983). On the product and process of cross-species generalization. In D. W. Rajecki (Ed.), Studying man studying animals. New York: Plenum Press. Pp. 203-223.
107. Suomi, S. J. (1983). Integration of social, cognitive, and physiological aspects of development in nonhuman primates. In J. B. Calhoun (Ed.), Environment and population: Problems of adaptation. New York: Praeger Publishers. Pp. 350-352.
108. Scallet, A. C., Rush, D. K., Kalin, N. H., Suomi, S. J., & Zaas, T. (1983). Shuttlebox avoidance in rhesus monkeys: Effects on plasma cortisol and B-endorphin. Peptides, 4, 19-24.
109. Rush, D. K., Mineka, S., & Suomi, S. J. (1983). Therapy for helpless monkeys. Behavior Research and Therapy, 21, 218-225.

110. Suomi, S. J. (1983). Social development in rhesus monkeys: Consideration of individual differences. In A. Oliverio & M. Zapella (Eds.), The behavior of human infants. New York: Plenum Press. Pp. 71-92.
111. Kalin, N. H., Shelton, S. E., McKinney, W. T., Kraemer, G. W., Scanlan, J. M., & Suomi, S. J. (1983). Stress alters dexamethasone suppression test in rhesus monkeys. Psychopharmacological Bulletin, 19, 542-545.
112. Suomi, S. J. (1984). The development of affect in rhesus monkeys. In N. Fox & R. J. Davidson (Eds.), Affective development: A psychobiological perspective. Hillsdale, NJ: Lawrence Erlbaum. Pp. 119-159.
113. Suomi, S. J. (1984). Individual differences in separation anxiety and depression in rhesus monkeys: Biological correlates. Clinical Neuropharmacology, 7, 454-455.
114. Suomi, S. J. (1984). The role of touch in rhesus monkey social development. In C. C. Brown, K. Barnard, & T. B. Brazelton (Eds.), The many facets of touch. Johnson & Johnson Pediatric Round Table #10, pp. 41-50.
115. Suomi, S. J. (1984). Effects of aspartame on the learning test performance of young stump-tail macaques. In L. D. Stegink & L. J. Filer (Eds.), Aspartame: Physiology and biochemistry. New York: Marcel Dekker. Pp. 425-445.
116. Suomi, S. J. (1984). New studies of social development in rhesus monkeys (Macaca mulatta). Verhandlungen der Deutschen Zoologischen Gesellschaft, 77, 37-44.
117. Suomi, S. J. (1985). Ethological approaches to psychiatry: Animal models. In N. I. Kaplan & B. J. Saddock (Eds.), Comprehensive textbook of psychiatry/IV. New York: Williams & Wilkins. Pp. 226-236.
118. Suomi, S. J. (1985). Response styles in monkeys: Experiential effects. In H. Klar & L. Siever (Eds.), Biologic response styles: Clinical implications. Washington, DC: American Psychiatric Press. Pp. 1-18.
119. Suomi, S. J. (1986). Anxiety-like disorders in young primates. In R. Gittelman (Ed.), Anxiety disorders of childhood. New York: Guilford Press. Pp. 1-23.
120. Suomi, S. J. (1986). Behavioral aspects of successful reproduction in primates. In K. Benirschke (Ed.), Primates: The road to self-sustaining populations. New York: Springer-Verlag. Pp. 331-340.
121. Higley, J. D., & Suomi, S. J. (1986). Parental behaviour in primates. In W. Sluckin & M. Herbert (Eds.), Parental Behaviour. Oxford: Blackwell. Pp. 152-207.
122. Higley, J. D., Hopkins, W. D., Hirsch, R. M., Marra, L. M., & Suomi, S. J. (1987). Preferences of female rhesus monkeys (Macaca mulatta) for infantile coloration. Developmental Psychobiology, 20, 7-18.
123. Suomi, S. J. (1987). Genetic and maternal contributions to individual differences in rhesus monkey biobehavioral development. In N. Krasnegor, E. Blass, M. Hofer, & W. Smotherman (Eds.), Perinatal development: A psychobiological perspective. New York: Academic Press. Pp. 397-420.
124. Scanlan, J. M., Coe, C. L., Latts, A., & Suomi, S. J. (1987). Effects of age, rearing, and separation stress on immunoglobulin levels in rhesus monkeys. American Journal of Primatology, 13, 231-253.
125. DiGregorio, G., Suomi, S. J., Eisele, C. J., & Chapman, S. A. (1987). Reactions of nuclear family reared rhesus macaques to the birth of younger siblings. American Journal of Primatology, 13, 231-253.

126. Insel, T. R., Scanlan, J. M., Champoux, M., & Suomi, S. J. (1988). Rearing paradigm in a nonhuman primate affects response to B-CCE challenge. *Psychopharmacology*, *96*, 81-86.
127. Champoux, M., & Suomi, S. J. (1988). Behavioral development of nursery-reared rhesus monkey (*Macaca mulatta*) neonates. *Infant Behavior and Development*, *11*, 367-371.
128. Novak, M. A., & Suomi, S. J. (1988). Psychological well-being of primates in captivity. *American Psychologist*, *43*, 765-773.
129. Holzman, P. S., Bivens, L. W., Bower, G. H., Campos, J. J., Carpenter, P., Ekman, P., Klatzky, R. L., Suomi, S. J., Tellegen, A., & Thompson, R. F. (1988). Basic behavioral sciences: A national plan for schizophrenia research. *Schizophrenia Bulletin*, *14*, 427-438.
130. Murray, E. A., Davidson, M., Gaffon, D., Olton, D. S., & Suomi, S. J. (1989). Effects of fornix transection and cingulate cortical ablation on spatial memory in rhesus monkeys. *Experimental Brain Research*, *74*, 173-186.
131. Suomi, S. J. (1989). Social enrichment of primates. *American Association of Laboratory Animal Science Monographs*, *1*, 13-16.
132. Rosenblum, L. A., Kummer, H., Nadler, R. D., Robinson, J., & Suomi, S. J. (1989). Interface of field and laboratory-based research in primatology. *American Journal of Primatology*, *18*, 61-64.
133. Suomi, S. J. (1989). Commentary on H. F. Harlow papers. *Le Scienze Quaderni*, *48*, 78-79.
134. Higley, J. D., Lande, J. S., & Suomi, S. J. (1989). Day care and the promotion of emotional development: Lessons from a monkey laboratory. In J. S. Lande, S. Scarr, & N. Gunzenhauser (Eds.), *Caring for children*. Hillsdale, NJ: Lawrence Erlbaum. Pp. 77-92.
135. Champoux, M., Metz, B., & Suomi, S. J. (1989). Rehousing nonreproductive rhesus macaques with weanlings: I. Behavior of adults toward weanlings. *Laboratory Primate Newsletter*, *28*, 1-3.
136. Champoux, M., Higley, J. D., & Suomi, S. J. (1989). Rehousing nonreproductive rhesus macaques with weanlings. II. Attachment reformation by weanlings. *Laboratory Primate Newsletter*, *28*, 4-7.
137. Rasmussen, K. L. R., & Suomi, S. J. (1989). Heart rate and endocrine responses to stress in adolescent male rhesus monkeys on Cayo Santiago. *Puerto Rican Health Sciences Journal*, *8*, 65-71.
138. Suomi, S. J., Scanlan, J. M., Rasmussen, K. L. R., Davidson, M., Higley, J. D., & Marriott, B. (1989). Pituitary-adrenal response to capture in Cayo-derived M-troop rhesus monkeys. *Puerto Rican Health Sciences Journal*, *8*, 171-176.
139. Higley, J. D., & Suomi, S. J. (1989). Temperamental reactivity in nonhuman primates. In G. A. Kohnstamm, J. E. Bates, & M. K. Rothbard (Eds.), *Handbook of temperament in children*. New York: Wiley. Pp. 153-167.
140. Champoux, M., Coe, C. L., Schanberg, S., Kuhn, C., & Suomi, S. J. (1989). Hormonal effects of early rearing conditions in the infant rhesus monkey. *American Journal of Primatology*, *19*, 111-117.
141. Novak, M. A., & Suomi, S. J. (1989). Psychological well-being of captive primates. In H. N. Guttman, J. A. Mench, & R. C. Simmonds (Eds.), *Science and animals: Addressing contemporary issues*. Bethesda, MD: Scientists Center for Animal Welfare. Pp. 5-12.

142. Bayne, K., Suomi, S. J., & Brown, R. (1989). A new monkey swing. Laboratory Primate Newsletter, 28, 16-19.
143. Higley, J. D., Suomi, S. J., & Linnoila, M. (1990). Parallels in aggression and serotonin: Consideration of development, rearing history, and sex differences. In H. van Praag, R. Plutchik, & A. Apter (Eds.), Violence and suicidality. New York: Bruner/Mazel. Pp. 245-256.
144. Champoux, M., DiGregorio, G., Schneider, M. L., & Suomi, S. J. (1990). Inanimate environmental enrichment for group-housed rhesus macaque infants. American Journal of Primatology, 22, 61-67.
145. Higley, J. D., Suomi, S. J., & Linnoila, M. (1990). Developmental influences on the serotonergic system and timidity in the nonhuman primate. In E. M. Coccaro & D. L. Murphy (Eds.), Serotonin in major psychiatric disorders. Washington, DC: American Psychiatric Press, Inc. Pp. 27-46.
146. Suomi, S. J. (1990). Behavioral and physiological variability. In J. A. Mench & L. Krulis (Eds.), Well-being of nonhuman primates in research. Bethesda, MD: Scientists Center for Animal Welfare. Pp. 36-40.
147. Papousek, H., Papousek, M., Suomi, S. J., & Rahn, C. W. (1991). Preverbal communication and attachment: Comparative views. In J. L. Gewirtz & W. M. Krutines (Eds.), Intersections with attachment. Hillsdale, NJ: Lawrence Erlbaum Assoc. Pp. 97-122.
148. Suomi, S. J. (1991). Primate separation models of affective disorders. In J. Madden (Ed.), Neurobiology of learning, emotion, and affect. New York: Raven Press. Pp. 195-214.
149. Higley, J. D., Suomi, S. J., & Linnoila, M. (1991). CSF monoamine metabolite concentrations vary according to age, rearing, and sex, and are influenced by the stressor of social separation in rhesus monkeys. Psychopharmacology, 103, 551-556.
150. Schneider, M. L., Kraemer, G. W., & Suomi, S. J. (1991). The effects of vestibular-proprioceptive stimulation on motor maturation and response to challenge in rhesus monkey infants. The Occupational Therapy Journal of Research, 11, 135-154.
151. Byrne, G. D., & Suomi, S. J. (1991). The effects of woodchips and buried food on behavior patterns and psychological well-being of captive rhesus monkeys. American Journal of Primatology, 23, 141-151.
152. Bayne, K., Mainzer, H., Campbell, G., Yamada, F., & Suomi, S. J. (1991). The reduction of abnormal behaviors in individually housed rhesus monkeys (Macaca mulatta) with a foraging/grooming board. American Journal of Primatology, 23, 23-35.
153. Suomi, S. J., & Novak, M. A. (1991). The role of individual differences in promoting psychological well-being in rhesus monkeys. In M. A. Novak & A. Petto (Eds.), Through the looking glass: Psychological well-being in laboratory primates. Washington, DC: American Psychological Association Press. Pp. 50-56.
154. Suomi, S. J. (1991). Early stress and adult emotional reactivity in rhesus monkeys. In D. Barker (ed.), The childhood environment and adult disease (Ciba Foundation Symposium 156). Chichester: Wiley. Pp. 171-188.
155. Suomi, S. J. (1991). Adolescent depression and depressive symptoms. Journal of Youth and Adolescence, 20, 271-285.

156. Bayne, K., Dexter, S., & Suomi, S. J. (1991). Ameliorating behavioral pathology in *Cebus apella* monkeys with social housing. *Laboratory Primate Newsletter*, *30*, 9-12.
157. Novak, M. A., Suomi, S. J., Bowman, R. E., & Mohr, D. (1991). Problem solving in elderly sophisticated and naive monkeys. *Journal of Gerontology: Psychological Sciences*, *46*, 102-108.
158. O'Neill, P., Novak, M. A., & Suomi, S. J. (1991). Normalizing laboratory-reared rhesus monkey (*Macaca mulatta*) behavior with exposure to enriched outdoor enclosures. *Zoo Biology*, *10*, 237-245.
159. Higley, J. D., Hasert, M. L., Suomi, S. J., & Linnoila, M. (1991). A new nonhuman primate model of alcohol abuse: Effects of early experience, personality, and stress on alcohol consumption. *Proceedings of the National Academy of Science*, *88*, 7261-7265.
160. Suomi, S. J. (1991). Up-tight and laid-back monkeys: Individual differences in the response to social challenges. In S. Brauth, W. Hall, & R. Dooling (Eds.), *Plasticity of development*. Cambridge, MA: MIT Press. Pp. 27-56.
161. Novak, M. A., & Suomi, S. J. (1991). Social interaction in nonhuman primates: An underlying theme for primate research? *Laboratory Animal Science*, *41*, 308-314.
162. Schneider, M. L., Moore, C. F., Suomi, S. J., & Champoux, M. (1991). Laboratory assessment of temperament and environmental enrichment in rhesus monkey infants (*Macaca mulatta*). *American Journal of Primatology*, *25*, 137-155.
163. Suomi, S. J., & Higley, J. D. (1991). Rationale and methodologies for developing nonhuman primate models of prenatal drug abuse. In *Methodological issues in controlled studies on prenatal effects of drugs of abuse*. National Institute of Drug Abuse Monograph #114. Pp. 291-302.
164. Champoux, M., Metz, B., & Suomi, S. J. (1991). Behavior of nursery/peer-reared and mother-reared rhesus monkeys from birth through 2 years. *Primates*, *32*, 509-514.
165. Suomi, S. J. (1991). Statement at Hearing on Innovative Child Welfare Services Programs Designed to Strengthen and Preserve Families, Subcommitte on Human Resources, Committe on Ways and Means, U. S. House of Representative. U.S. Government Printing Office, Serial 102-21. Pp. 4-12.
166. Michejda, M., Bayne, K., Schneider, M. L., & Suomi, S. J. (1991). Functional and structural recovery of the brain in *in utero* treated hydrocephalic monkeys: Follow-up of neurobehavioral development. *Contributions to Gynecology and Obstetrics*, *18*, 157-176.
167. Bard, K. A., Platzman, K. A., Lester, B. M., & Suomi, S. J. (1992). Orientation to social and nonsocial stimuli in neonatal chimpanzees and humans. *Infant Behavior and Development*, *15*, 43-56.
168. Schneider, M. L., & Suomi, S. J. (1992). Neurobehavioral assessments in rhesus monkey neonates (*Macaca mulatta*): Developmental changes, behavioral stability, and effects of enrichment. *Infant Behavior and Development*, *15*, 155-197.
169. Bolig, R., Price, C. S., O'Neill, P. L., & Suomi, S. J. (1992). Subjective assessment of reactivity level and personality traits of rhesus monkeys. *International Journal of Primatology*, *13*, 287-306.
170. Bayne, K., Dexter, S., & Suomi, S. J. (1992). A preliminary survey of the incidence of abnormal behavior in rhesus monkeys (*Macaca mulatta*) relative to housing condition. *Lab Animal*, *21*, 38-44.

171. Champoux, M., Byrne, E., DeLizio, R., & Suomi, S. J. (1992). Motherless mothers revisited: Rhesus maternal behavior and rearing history. *Primates*, *33*, 251-255.
172. Higley, J. D., Mehlman, P. T., Taub, D. M., Higley, S. B., Vickers, J. H., Suomi, S. J., & Linnoila, M. (1992). Cerebrospinal fluid monoamine and adrenal correlates of aggression in free-ranging rhesus monkeys. *Archives of General Psychiatry*, *49*, 436-441.
173. Novak, M. A., O'Neill, P. L., & Suomi, S. J. (1992). Adjustments and adaptations to indoor and outdoor environments: Continuity and change in young adult rhesus monkeys. *American Journal of Primatology*, *28*, 125-138.
174. Schneider, M. L., & Suomi, S. J. (1992). Laboratory assessment of temperament and postrotary nystagmus responses in rhesus monkey infants. *Physical and Occupational Therapy in Pediatrics*, *12*, 37-52.
175. Suomi, S. J., Rasmussen, K. L. R., & Higley, J. D. (1992). Primate models of behavioral and physiological change in adolescence. In E. R. McAnarney, R. E. Kriep, D. P. Orr, & G. D. Comerci (Eds.), *Textbook of adolescent medicine*. Philadelphia: Saunders. Pp. 135-139.
176. Higley, J. D., Suomi, S. J., & Linnoila, M. (1992). A longitudinal assessment of CSF monoamine metabolite and plasma cortisol concentrations in young rhesus monkeys. *Biological Psychiatry*, *32*, 127-145.
177. Higley, J. D., Hopkins, W. D., Thompson, W. W., Byrne, E. A., Hirsch, R. M., & Suomi, S. J. (1992). Peers as primary attachment sources in yearling rhesus monkeys. *Developmental Psychology*, *28*, 1163-1171.
178. Biben, M., & Suomi, S. J. (1992). Lessons from primate play. In K. MacDonald (Ed.), *Play and culture*, New York: SUNY Press. Pp. 185-195.
179. Lewis M., Ramsay, D. S., & Suomi, S. J. (1992). Validating current immunization practice with young infants. *Pediatrics*, *90*, 771-773.
180. Berman, C. M., Rasmussen, K. L. R., & Suomi, S. J. (1993). Reproductive consequences of maternal care patterns during estrus among free-ranging rhesus monkeys. *Behavioral Ecology and Sociobiology*, *32*, 391-399.
181. Higley, J. D., Thompson, W. T., Champoux, M., Goldman, D., Hasert, M. F., Kraemer, G. W., Scanlan, J. M., Suomi, S. J., & Linnoila, M. (1993). Paternal and maternal genetic and environmental contributions to CSF monoamine metabolites in rhesus monkeys (*Macaca mulatta*). *Archives of General Psychiatry*, *50*, 615-623.
182. Novak, M. A., Muscante, A., Munroe, H., O'Neill, P. L., Price, C. S., & Suomi, S. J. (1993). Old socially housed rhesus monkeys manipulate objects. *Zoo Biology*, *12*, 285-298.
183. Westergaard, G. C., & Suomi, S. J. (1993). Hand preference in capuchin monkeys varies with age. *Primates*, *34*, 295-299.
184. Laudenslager, M. L., Rasmussen, K. L. R., Berman, C. M., Broussard, C. L., & Suomi, S. J. (1993). Specific antibody levels in free-ranging rhesus monkeys: Relationship to plasma hormones, cardiac parameters, and early behavior. *Development Psychobiology*, *26*, 407-420.
185. Westergaard, G. C., & Suomi, S. J. (1993). Use of a tool-set by capuchin monkeys (*Cebus apella*). *Primates*, *34*, 459-462.

186. Westergaard, G. C., & Suomi, S. J. (1993). Hand preference in the use of nut-cracking tools by tufted capuchin monkeys (*Cebus apella*). *Folia Primatologica*, *61*, 38-42.
187. Novak, M. A., O'Neill, P. L., Beckley, S., & Suomi, S. J. (1994). Naturalistic environments for captive primates. In E. Gibbons, E. Wyers, E. Waters, & E. W. Menzel (Eds.), Naturalistic habitats in captivity for animal behavior research. Stony Brook: State University of New York Press. Pp. 236-258.
188. Higley, J. D., Linnoila, M., & Suomi, S. J. (1994). Ethological contributions. In R. T. Ammerman (Ed.), Handbook of aggressive and behavior in psychiatric patients. New York: Raven Press. Pp. 17-32.
189. Westergaard, G. C., & Suomi, S. J. (1994). The hierarchical complexity of combinatorial manipulation in capuchin monkeys (*Cebus apella*). *American Journal of Primatology*, *32*, 171-176.
190. Westergaard, G. C., & Suomi, S. J. (1994). The use and modification of bone tools by capuchin monkeys. *Current Anthropology*, *35*, 75-77.
191. Berman, C. M., Rasmussen, K. L. R., & Suomi, S. J. (1994). Responses of free-ranging rhesus monkeys to a natural form of social separation: I. Parallels with mother-infant separation in captivity. *Child Development*, *65*, 1028-1041.
192. Champoux, M., Suomi, S. J., & Schneider, M. L. (1994). Temperamental differences between captive Indian and Chinese-Indian hybrid rhesus macaque infants. *Laboratory Animal Science*, *44*, 351-357.
193. Westergaard, G. C., & Suomi, S. J. (1994). The use of probing tools in capuchins: Evidence for increased right-hand preference with age. *International Journal of Primatology*, *15*, 521-529.
194. Mehlman, P. T., Higley, J. D., Faucher, T., Lilly, A. A., Taub, D. M., Vickers, J., Suomi, S. J., & Linnoila, M. (1994). Low cerebrospinal fluid 5-hydroxyindoleacetic acid concentrations are correlated with severe aggression and reduced impulse control in free-ranging nonhuman primates (*Macaca mulatta*). *American Journal of Psychiatry*, *151*, 1485-1491.
195. Westergaard, G. C., & Suomi, S. J. (1994). Assymetrical manipulation in the use of tools by tufted capuchin monkeys (*Cebus apella*). *Folia Primatologica*, *63*, 96-98.
196. Champoux, M., & Suomi, S. J. (1994). Behavioral and cortisol responses of rhesus macaque mothers to infant separation. *Primates*, *35*, 191-202.
197. Westergaard, G. C., & Suomi, S. J. (1994). A simple stone-tool technology in monkeys. *Journal of Human Evolution*, *27*, 399-404.
198. Westergaard, G. C., & Suomi, S. J. (1994). Aimed throwing of stones by tufted capuchin monkeys (*Cebus apella*). *Human Evolution*, *9*, 323-329.
199. Westergaard, G. C., & Suomi, S. J. (1994). Stone-tool bone surface modification by monkeys. *Current Anthropology*, *35*, 468-470.
200. Suomi, S. J. (1994). Social and biological pathways that contribute to variations in health status: Evidence from primate studies. In Prosperity, Health, and Well-Being (Proceedings of the 11th Honda Foundation Discoveries Symposium). Toronto: Canadian Institute for Advanced Research. Pp. 105-112.

201. Higley, J. D., Mehlman, P. T., Suomi, S. J., Vickers, J. M., & Linnoila, M. (1994). Are stress hormones and serotonin related to aggression in primates (letter). *Archives of General Psychiatry*, *51*, 73.
202. Kriete, M. F., Champoux, M., & Suomi, S. J. (1995). Development of iron deficiency anemia in infant rhesus monkeys: A potential model for iron deficiency anemia in human infants. *Laboratory Animal Science*, *45*, 15-21.
203. Byrne, G. D., & Suomi, S. J. (1995). Activity patterns, social interaction, and exploratory behavior in *Cebus apella* infants from birth to 1 year of age. *American Journal of Primatology*, *35*, 255-270.
204. Champoux, M., Boyce, W. T., & Suomi, S. J. (1995). Biobehavioral comparisons between adopted and non-adopted rhesus monkey infants. *Journal of Developmental Behavioral Pediatrics*, *16*, 6-13.
205. Boyce, W. T., Champoux, M., Suomi, S. J., & Gunnar, M. R. (1995). Salivary cortisol in nursery-reared rhesus monkeys: Interindividual stability, reactions to peer interactions, and altered circadian reactivity. *Developmental Psychobiology*, *28*, 257-267.
206. Suomi, S. J. (1995). Interview (by Jennifer Steinberg and Keith Haglund). *Journal of NIH Research*, *7*(4), 74-76.
207. Westergaard, G. C., & Suomi, S. J. (1995). The manufacture and use of bamboo tools by monkeys: Possible implications for the development of material culture among east Asian hominids. *Journal of Archeological Science*, *22*, 677-681.
208. Novak, M. A., Rulf, A., Munroe, H., Parks, K., Price, C. M., O'Neill, P., & Suomi, S. J. (1995). Using a standard to evaluate the effects of environmental enrichment. *Lab Animal*, *24*, 37-43.
209. Westergaard, G. C., & Suomi, S. J. (1995). The production and use of digging tools by monkeys: A nonhuman primate model of hominid subsistence activity. *Journal of Anthropological Research*, *51*, 1-8.
210. Westergaard, G. C., Greene, J. A., Babitz, M. A., & Suomi, S. J. (1995). Pestle use and modification by tufted capuchin monkeys (*Cebus apella*). *International Journal of Primatology*, *16*, 645-651.
211. Mehlman, P. T., Higley, J. D., Faucher, I., Lilly, A. A., Taub, D. M., Vickers, J. M., Suomi, S. J., & Linnoila, M. (1995). CSF 5-HIAA concentrations are correlated with sociality and the timing of emigration in free-ranging primates. *American Journal of Psychiatry*, *152*, 907-913.
212. Suomi, S. J. (1995). Touch and the immune system in monkeys. In T. Field (Ed.), *Touch in early development*. Hillsdale, NJ: Lawrence Erlbaum Assoc. Pp. 89-104.
213. Jorgensen, M. J., Suomi, S. J., & Hopkins, W. D. (1995). Using a computerized testing system to investigate the pre-conceptual self in primates and humans. In P. Rochet (Ed.), *The self in early infancy: Theory and research*. Amsterdam: North Holland-Elsevier Press. Pp. 243-256.
214. Suomi, S. J. (1995). Influence of Bowlby's attachment theory on research on nonhuman primate biobehavioral development. In S. Goldberg, R. Muir, & J. Kerr (Eds.), *Attachment theory: Social, developmental, and clinical perspectives*. Hillsdale, NJ: The Analytic Press, Inc. Pp. 185-201.
215. Doudet, D., Hommer, D., Higley, J. D., Andreason, P. J., Moneman, R., Suomi, S. J., & Linnoila, M. (1995). Cerebral glucose metabolism, CSF 5-HIAA, and aggressive behavior in rhesus monkeys. *American Journal of Psychiatry*, *152*, 1782-1787.

216. Westergaard, G. C., & Suomi, S. J. (1995). Mirror inspection varies with age and tool-using ability in tufted capuchin monkeys (*Cebus apella*). *Human Evolution*, *10*, 217-223.
217. Westergaard, G. C., & Suomi, S. J. (1995). The stone tools of capuchins (*Cebus apella*). *International Journal of Primatology*, *16*, 1017-1024.
218. Westergaard, G. C., & Suomi, S. J. (1995). Hand preference for stone artifact production and tool-use by monkeys: Possible implications for the evolution of right-handedness in hominids. *Journal of Human Evolution*, *29*, 2-8.
219. Higley, J. D., King, S. T., Hasert, M. F., Champoux, M., Suomi, S. J., & Linnoila, M. (1996). Stability of interindividual differences in serotonin function and its relationship to severe aggression and competent social behavior in rhesus macaque females. *Neuropharmacology*, *14*, 67-76.
220. Champoux, M., Kriete, M. F., Higley, J. D., & Suomi, S. J. (1996). CBC and serum chemistry differences between Indian-derived and Chinese-Indian hybrid rhesus monkey infants. *American Journal of Primatology*, *39*, 79-84.
221. Higley, J. D., & Suomi, S. J. (1996). Reactivity and social competence affect individual differences in reaction to severe stress in children: Investigations using nonhuman primates. In C. R. Pfeffer (Ed.), *Intense stress and mental disturbance in children*. New York: American Psychiatric Press, Inc. Pp. 3-58.
222. Westergaard, G. C., & Suomi, S. J. (1996). Lateral bias for rotational behavior in tufted capuchin monkeys (*Cebus apella*). *Journal of Comparative Psychology*, *110*, 199-202.
223. Higley, J. D., Mehlman, P. T., Taub, D. M., Higley, S., Fernald, B., Vickers, J. M., Lindell, S. G., Suomi, S. J., & Linnoila, M. (1996). Excessive mortality in young free-ranging male nonhuman primates with low CSF 5-HIAA concentrations. *Archives of General Psychiatry*, *53*, 537-543.
224. Higley, J. D., Suomi, S. J., & Linnoila, M. (1996). A nonhuman primate model of Type II excessive alcohol consumption? (Part 1): Low CSF 5-HIAA concentrations and diminished social competence correlate with excessive alcohol consumption. *Alcoholism: Clinical and Experimental Research*, *20*, 629-642.
225. Higley, J. D., Suomi, S. J., & Linnoila, M. (1996). A nonhuman model of Type II alcoholism? (Part 2): Diminished social competence and excessive aggression correlates with low CSF 5-HIAA concentrations. *Alcoholism: Clinical and Experimental Research*, *20*, 643-650.
226. Byrne, G. D., Abbott, K. M., Thrasher, S., & Suomi, S. J. (1996). Reorganization of dominance rank among adult males in a captive group of tufted capuchins (*Cebus apella*). *Laboratory Primate Newsletter*, *35*, 1-3.
227. Westergaard, G. C., Greene, J. A., Muhin-Hauser, C., & Suomi, S. J. (1996). The use of naturally occurring copper and iron tools by monkeys. *Human Evolution*, *11*, 17-25.
228. Sameroff, A. J., & Suomi, S. J. (1996). Primates and persons: A comparative developmental understanding of social organization. In R. B. Cairns, G. H. Elder, & E. J. Costello (Eds.), *Developmental Science*. Cambridge: Cambridge University Press. Pp. 97-120.
229. Boyce, W. T., Higley, J. D., Jemerin, J. J., Champoux, M., & Suomi, S. J. (1996). Tympanic temperature asymmetry and stress behavior in rhesus macaques and children. *Archives of Pediatrics and Adolescent Medicine*, *150*, 518-523.

230. Suomi, S. J. (1996). Biological, maternal, and life-style interactions with the psychosocial environment: Primate models. In C. Hertzman, S. Kelly, & M. Bobak (Eds.), *Environmental and nonenvironmental determinants of the East-West life expectancy gap in Europe*. Amsterdam: Kluver Press. Pp. 133-142.
231. Westergaard, G. C., & Suomi, S. J. (1996). Stone-throwing by capuchins (*Cebus apella*): A nonhuman primate model of *Homo habilis* throwing habits. *Folia Primatologica*, *65*, 234-238.
232. Byrne, G. D., & Suomi, S. J. (1996). Individual differences in object manipulation in a colony of tufted capuchins. *Journal of Human Evolution*, *31*, 259-267.
233. Westergaard, G. C., & Suomi, S. J. (1996). Hand preference for a bimanual task in tufted capuchins (*Cebus apella*) and rhesus macaques (*Macaca mulatta*). *Journal of Comparative Psychology*, *110*, 406-411.
234. Suomi, S. J., Novak, M. A., & Well, A. (1996). Aging in rhesus monkeys: Different windows on behavioral continuity and change. *Developmental Psychology*, *32*, 1116-1128.
235. Higley, J. D., Mehlman, P. T., Poland, R. E., Faucher, I., Taub, D. M., Vickers, J. M., Suomi, S. J., & Linnoila, M. (1996). Correlations of CSF 5-HIAA CSF testosterone with different types of aggressive behavior in a nonhuman primate model. *Biological Psychiatry*, *40*, 1067-1082.
236. Suomi, S. J. (1996). Effects of differential early social experience on biological and behavioral development in rhesus monkeys. *European Neuropsychopharmacology*, *6*, 44-52.
237. Champoux, M., Kriete, M. F., Eckhaus, M. A., & Suomi, S. J. (1997). Behavioral and physical concomitants of congenital hydrocephalus in a rhesus macaque infant. *Laboratory Animal Science*, *36*, 56-61.
238. Berman, C. M., Rasmussen, K. L. R., & Suomi, S. J. (1997). Group size, infant development, and social networks: A natural experiment with free-ranging rhesus monkeys. *Animal Behavior*, *53*, 405-421.
239. Westergaard, G. C., Champoux, M., & Suomi, S. J. (1997). Hand preference in infant rhesus macaques (*Macaca mulatta*). *Child Development*, *68*, 387-393.
240. Suomi, S. J. (1997). Early determinants of behaviour: Evidence from primate studies. *British Medical Bulletin*, *53*, 170-184.
241. Malkova, L., Mishkin, M., & Suomi, S. J. (1997). A comparison of early vs. late medial temporal lobe lesions on socioemotional behavior in rhesus monkeys. *Annals of The New York Academy of Science*, *807*, 538-540.
242. Westergaard, G. C., & Suomi, S. J., (1997). Capuchin monkey (*Cebus apella*) grips for the use of stone tools. *American Journal of Physical Anthropology*, *103*, 131-135.
243. Westergaard, G. C., Kuhn, H. E., Lundquist, A. L., & Suomi, S. J. (1997). Posture and reaching in tufted capuchins (*Cebus apella*). *Laterality*, *2*, 65-74.
244. Suomi, S. J. (1997). Nonverbal communication in nonhuman primates: Implications for the emergence of culture. In P. Molnar & U. Segerstrale (Eds.), *Where nature meets culture: Nonverbal communication in social interaction*. Hillsdale, NJ: Lawrence Erlbaum. Pp. 131-150.
245. Rasmussen, K. L. R., Timme, A., & Suomi, S. J. (1997). Comparison of physiological measures of Cayo Santiago rhesus monkey females within and between social groups. *Primate Reports*, *47*, 49-55.

246. Champoux, M., Higley, J. D., & Suomi, S. J. (1997). Behavioral and physiological characteristics of Indian and Chinese-Indian hybrid rhesus macaque infants. *Developmental Psychobiology*, *31*, 49-63.
247. Westergaard, G. C., Lundquist, A. L., Kuhn, H. E., & Suomi, S. J. (1997). Ant-gathering with tools by tufted capuchins (*Cebus apella*). *International Journal of Primatology*, *18*, 95-103.
248. Westergaard, G. C., & Suomi, S. J. (1997). Lateral bias in capuchin monkeys (*Cebus apella*): Concordance between parent-offspring dyads. *Developmental Psychobiology*, *31*, 143-147.
249. Westergaard, G. C., & Suomi, S. J. (1997). Transfer of tools and food between groups of tufted capuchins. *American Journal of Primatology*, *43*, 33-41.
250. Suomi, S. J. (1997). Long-term effects of differential early experiences on social, emotional, and physiological development in nonhuman primates. In M. S. Keshevan & R. M. Murra (Eds.), *Neurodevelopmental models of adult psychopathology*. Cambridge: Cambridge University Press. Pp. 104-116.
251. Zajicek, K., Higley, J. D., Suomi, S. J., & Linnoila, M. (1997). Rhesus macaques with low CSF 5-HIAA concentrations are unlikely to fall asleep early. *Psychiatric Research*, *77*, 15-25.
252. Higley, J. D., Mehlman, P. T., Poland, R. E., Taub, D. M., Suomi, S. J., & Linnoila, M. (1997) Aggression, social dominance, serotonin, and causal relationships (letter). *Biological Psychiatry*, *42*, 306-307.
253. Mehlman, P. T., Higley, J. D., Fernald, B. J., Sallee, F. R., Suomi, S. J., & Linnoila, M. (1997). CSF 5-HIAA, testosterone, and sociosexual behaviors in free-ranging male macaques during the breeding season. *Psychiatric Research*, *72*, 89-102.
254. Higley, J. D., Suomi, S. J., & Linnoila, M. (1997). Genetic and environmental influences on CSF 5-HIAA concentrations. *Annals of the New York Academy of Science*, *836*, 39-56.
255. Higley, J. D., Suomi, S. J., & Linnoila, M. (1997). Progress in the development of a nonhuman primate model of alcohol abuse. *Journal of the Alcoholic Beverage Medical Research Foundation*, *7*, 67-78.
256. Byrne, G. D., & Suomi, S. J. (1998). The relationship of early infant state measures to behavior over the first year of life in tufted capuchin monkeys (*Cebus apella*). *American Journal of Primatology*, *44*, 43-56.
257. Westergaard, G. C., Byrne, G. D., & Suomi, S. J. (1998). Early lateral bias in tufted capuchins (*Cebus apella*). *Developmental Psychobiology*, *32*, 45-50.
258. Suomi, S. J., & Levine, S. (1998). Psychobiology of intergenerational effects of trauma: Evidence from animal studies. In Y. Daniele (Ed.), *International handbook of multigenerational legacies of trauma*. New York: Plenum Press. Pp. 623-637.
259. Westergaard, G. C., Kuhn, H. E., Babitz, M. A., & Suomi, S. J. (1998). Aimed throwing as a means of food transfer between tufted capuchins (*Cebus apella*). *International Journal of Primatology*, *19*, 123-131.
260. Westergaard, G. C., Kuhn, H. E., & Suomi, S. J. (1998). Bipedal posture and hand preference in humans and other primates. *Journal of Comparative Psychology*, *112*, 55-64.

261. Higley, J. D., Hasert, M. F., Suomi, S. J., & Linnoila, M. (1998). The serotonin reuptake inhibitor sertraline reduces excessive alcohol consumption in nonhuman primates: effect of stress. *Neuropharmacology*, *18*, 431-443.
262. Westergaard, G. C., Kuhn, H. E., & Suomi, S. J. (1998) Laterality of hand function in tufted capuchins (*Cebus apella*): Comparisons between tool use and spontaneous non-tool actions. *Ethology*, *104*, 19-25.
263. Suomi, S. J. (1998). Editorial: Compelling retrospective results call for creative prospective investigations. *Psychosomatic Medicine*, *60*, 245-246.
264. Westergaard, G. C., Kuhn, H. E., & Suomi, S. J. (1998). The effects of posture on hand preference for reaching versus the use of probing tools by tufted capuchins (*Cebus apella*). *American Journal of Primatology*, *44*, 147-153.
265. Heinz, A., Higley, J. D., Gorey, J. G., Saunders, R. C., Jones, D. W., Hommer, D., Zajicek, K., Suomi, S. J., Weinberger, D. R., & Linnoila, M. (1998). *In vivo* association between alcohol intoxication, aggression, and serotonin transporter availability in nonhuman primates. *American Journal of Psychiatry*, *155*, 1023-1028.
266. Westergaard, G. C., Lundquist, A. L., Haine, M. K., Kuhn, H.E., & Suomi, S. J. (1998). Why some capuchin monkeys (*Cebus apella*) use probing tools (and others do not). *Journal of Comparative Psychology*, *112*, 207-211.
267. Weld, K., Mench, J. A., Woodward, R. A., Bolesta, M. S., Suomi, S. J., Linnoila, M., & Higley, J. D. (1998). Effect of tryptophane treatment on self-biting and central nervous system serotonin metabolism in rhesus monkeys (*Macaca mulatta*). *Neuropharmacology*, *19*, 314-321.
268. Bolig, R., Price, C. S., O'Neill-Wagner, P. L., & Suomi, S. J. (1998). Reactivity and play and exploration behaviors of young rhesus monkeys. In M. C. Duncan, G. Chick, & A. Aycock (Eds.), *Play and culture studies*. London: Ablex Publishing Company. Pp. 165-177.
269. Novak, M. A, West, M. J., Bayne, K. A., & Suomi, S. J. (1998). Ethological research techniques and methods. In L. A. Hart (Ed.), *Responsible conduct of research in animal behavior*. New York: Oxford University Press. Pp. 56-66.
270. Boyce, W. T., O'Neill-Wagner, P. L., Price, C. S., Haines, M., & Suomi, S. J. (1998). Crowding stress and violent injuries among behaviorally inhibited rhesus macaques. *Health Psychology*, *17*, 285-289.
271. Shannon, C., Champoux, M., & Suomi, S. J. (1998). Rearing condition and plasma cortisol in rhesus monkey infants. *American Journal of Primatology*, *46*, 311-321.
272. Westergaard, G. C., Liv, C., Chavanne, T., & Suomi, S. J. (1998). Token-mediated tool-use by a tufted capuchin monkey (*Cebus apella*). *Animal Cognition*, *1*, 101-106.
273. Suomi, S. J. (1999). Conflict and cohesion in rhesus monkey family life. In M. Cox & J. Brooks-Gunn (Eds.) *Conflict and cohesion in families*. Mahway, NJ: Lawrence Erlbaum Associates, Inc. Pp. 283-299.
274. Westergaard, G. C., Haine, M. K., Lundquist, A. L., & Suomi, S. J. (1999). Carrying, sharing, and hand preference in tufted capuchins (*Cebus apella*). *International Journal of Primatology*, *20*, 153-162.
275. Suomi, S. J. (1999). Developmental trajectories, early experiences, and community consequences: lessons from studies with rhesus monkeys. In D. Keating & C. Hertzman (Eds.), *Developmental health and the wealth of nations*. New York: Guilford Press. Pp. 185-200.

276. Champoux, M., Shannon, C., Airoso, W. D., & Suomi, S. J. (1999) Behavior of peer-reared and surrogate/peer-reared rhesus monkey infants in their social groups. In S. Reifel (Ed.), Play and Culture Studies (Vol.2): Play contexts revisited. Stamford, CT: Ablex Publishing. Pp. 209-217.
277. Laudenslager, M. L., Rasmussen, K. L. R., Berman, C. J., Lilly, A., Shelton, S. E., Kalin, N. H., & Suomi, S. J. (1999). A preliminary analysis of individual differences in rhesus monkeys following brief capture experiences: Endocrine, immune, and health indicators. Brain, Behavior, & Immunology, 13, 124-137.
278. Suomi, S. J. (1999). Attachment in rhesus monkeys. In J. Cassidy & P. R. Shaver (Eds.), Handbook of attachment: Theory, research, and clinical applications. New York: Guilford Press. Pp. 181-197.
279. Suomi, S. J. (1999). Interview (by Tibby Spear). Facts of Life, 4, 2-4.
280. Leghty, K. A., Byrne, G. D., & Suomi, S. J. (1999). Interactions with infants in a captive troop of Cebus apella. Laboratory Primate Newsletter, 38, 1-4.
281. Byrne, G. D., & Suomi, S. J. (1999). Social separation in infant Cebus apella: Patterns of behavioral and cortisol response. International Journal of Developmental Neurobiology, 17, 265-274.
282. Lindell, S. G., Suomi, S. J., Shoaf, S., Linnoila, M., & Higley, J. D. (1999). Salivary prolactin as a marker for central serotonin turnover. Biological Psychiatry, 46, 568-572.
283. Westergaard, G. C., Mehlman, P. T., Suomi, S. J., & Higley, J. D. (1999). CSF 5-HIAA and aggression in female primates: Species and interindividual differences. Psychopharmacology, 146, 440-446.
284. Westergaard, G. C., Izard, M. K., Suomi, S. J., & Higley, J. D. (1999). Rhesus macaque (Macaca mulatta) group formation and housing: Wounding and reproduction in a specific pathogen-free (SPS) colony. American Journal of Primatology, 49, 339-347.
285. Westergaard, G. C., Wagner, J. L., & Suomi, S. J. (1999). Manipulative tendencies of captive Cebus albafrons. International Journal of Primatology, 20, 751-759.
286. DePetrillo, P. B., Bennett, A. J., Speers, D., Suomi, S. J., Shoaf, S. E., Karimullah, K., & Higley, J. D. (2000). Ondansetron modulates pharmacodynamic effects of ketamine on electrocardiographic signals in rhesus monkeys. European Journal of Pharmacology, 391, 113-119.
287. Fahlke, C., Lorenz, J. G., Long, J., Champoux, M., Suomi, S. J., & Higley, J. D. (2000). Rearing experiences and stress-induced plasma cortisol as early risk factors for excessive alcohol consumption in nonhuman primates. Alcoholism: Clinical and Experimental Research, 24, 644-650.
288. Mehlman, P. T., Westergaard, G. C., Hoos, B. J., Sallee, F. R., Marsh, S., Suomi, S. J., Linnoila, M., & Higley, J. D. (2000). CSF 5-HIAA and nighttime activity in free-ranging primates. Neuropsychopharmacology, 22, 210-218.
289. Westergaard, G. C., Byrne, G. D., & Suomi, S. J. (2000). Handedness and cortisol in tufted capuchins. Developmental Psychobiology, 36, 213-217.
290. Suomi, S. J. (2000). A biobehavioral perspective on developmental psychopathology: Excessive aggression and serotonergic dysfunction in monkeys. In A. J. Sameroff, M. Lewis, & S. Miller (Eds.), Handbook of developmental psychopathology. New York: Plenum Press, pp. 237-256.

291. Suomi, S. J. (2000). Behavioral inhibition and impulsive aggressiveness: insights from studies with rhesus monkeys. In L. Balter & C. Tamis-Lamode (Eds.), Child psychology: A handbook of contemporary issues. New York: Taylor & Francis, pp. 510-525.
292. Hammerschmidt, K., Newman, J. D., Champoux, M., & Suomi, S. J. (2000). Changes in rhesus macaque vocalizations in early development. Ethology, 106, 873-886.
293. Habib, K. E., Weld, K. P., Rice, K. C., Pushkas, J., Champoux, M., Listwak, S., Webster, E. L., Atkinson, A., Schulkin, J., Contreggi, C., Chrouzos, G. P., McCann, S. M. , Suomi, S. J., Higley, J. D., & Gold, P. W. (2000). Oral administration of a CRF antagonist significantly attenuates behavioral, neuroendocrine, and autonomic responses to stress in primates. Proceedings of the National Academy of Sciences, 97, 6079-6084.
294. Zajicek, K. B., Price, C. S., Shoaf, S. E., Mehlman, P. T., Suomi, S. J., Linnoila, M., & Higley, J. D. (2000). Seasonal variation in CSF 5-HIAA concentrations in male rhesus macaques. Neuropsychopharmacology, 22, 240-250.
295. Westergaard, G. C., Chavanne, T. J., Lussier, I. D., Suomi, S. J., & Higley, J. D. (2000). Hormonal correlates of hand preference in free-ranging primates. Neuropsychopharmacology, 23, 502-507.
296. Champoux, M., Norcross, J., & Suomi, S. J. (2000). Late-onset hydrocephalic rhesus monkeys differ from nonimpaired animals during neonatal neurobehavioral assessments: A six-year retrospective analysis. Comparative Medicine, 50, 218-224.
297. Westergaard, G. C., Liv, C., Haynie, M., & Suomi, S. J. (2000). A comparative study of aimed throwing in monkeys and humans. Neuropsychologia, 38, 1511-1517.
298. Suomi, S. J. (2000). Early development in monkeys. In A. R. Tarlov & R. F. St. Peter (Eds.), The society and population health reader, Vol.II. New York: The New Press, pp. 131-142.
299. Westergaard, G. C., Lussier, I. D., Suomi, S. J., & Higley, J. D. (2001). Stress correlates of hand preference in rhesus macaques. Developmental Psychobiology, 38, 110-116.
300. Westergaard, G. C., Champoux, M., & Suomi, S. J. (2001). Plasma cortisol is associated with handedness in infant rhesus monkeys. Developmental Psychobiology, 38, 116-122.
301. Suomi, S. J. (2001). Creating developmentally appropriate environments. In F. Lamb-Parker, J. Hagen, & R. Robinson (Eds.), Developmental and contextual transition of children and families: Implications for research, policy, and practice. New York: Columbia University Press, pp. 19-27.
302. Bard, K. A., Platzman, K., Lester, B. M., & Suomi, S. J. (2001). Developpement neurobiologique et emotions chez les nouveau-nés chimpanzé et humains. Enfance, 3, 226-235.
303. Bennett, A. J., Sponberg, A. C., Graham, T., Lindell, S. G., Suomi, S. J., Higley, J. D., & DePetrillo, P. B. (2001). Initial alcohol exposure results in stress-dependent acute increases and subsequent decreases in CSF 5-HIAA concentrations and cardiac signal complexity in alcohol-naïve rhesus monkeys. European Journal of Pharmacology, 433, 169-172.
304. Dvboškin, R., Lindell, S. G., Shoaf, S. E., Suomi, S. J., Linnoila, M., & Higley, J. D. (2001). Reply: Salivary prolactin following fenfluramine stimulation in the macaque. Biological Psychiatry, 51, 817-818.

305. Suomi, S. J. (2002). Parents, peers, and the process of socialization in primates. In J. G. Borkowski, S. L. Ramey, & M. Bristol-Power (Eds.), Parenting and the child's world: Influences on academic, intellectual, and social-emotional development. Mahwah, NJ: Erlbaum, pp. 265-279.
306. Bennett, A. J., Lesch, K. P., Heils, A., Long, J. C., Lorenz, J. G., Shoaf, S. E., Champoux, M., Suomi, S. J., Linnoila, M. V., & Higley, J. D. (2002). Early experience and serotonin transporter gene variation interact to influence primate CNS function. Molecular Psychiatry, 7, 118-122.
307. Byrne, G. D., & Suomi, S. J. (2002). Cortisol reactivity and its relation to homecage behavior and personality ratings in tufted capuchin juveniles from birth to six years of age. Psychoneuroendocrinology, 27, 139-154.
308. Champoux, M., Hibbeln, J., Shannon, C., Majchrzak, S., Suomi, S. J., Salem, N. T., & Higley, J. D. (2002). Essential fatty acid formula supplementation and neuromotor development in rhesus monkey neonates. Pediatric Research, 51, 273-281.
309. Suomi, S. J. (2002). Harry Frederick Harlow (1905-1981). In N. J. Smelser, & P. B. Baltes (Eds.), International encyclopedia of the social and behavioral sciences. Amsterdam: Pergamon, pp. 6473-6476.
310. Gerald, M. S., Higley, S., Lussier, I. D., Westergaard, G. C., Suomi, S. J., & Higley, J. D. (2002). Variation in reproductive outcomes for captive male rhesus macaques differing in CSF 5-hydroxyindoleacetic acid concentrations. Brain, Behavior, and Evolution, 60, 117-124.
311. Champoux, M., Bennett, A. J., Shannon, C., Higley, J. D., Lesch, K. P., & Suomi, S. J. (2002). Serotonin transporter gene polymorphism, differential early rearing, and behavior in rhesus monkey neonates. Molecular Psychiatry, 7, 1058-1063.
312. Strome, E. M., Higley, J. D., Loriaux, D. L., Suomi, S. J., Doudet, D. J., Wheler, G. H. T. (2002). Intracerebroventricular corticotropin-releasing factor has behavioral effects in non-human primates dependent on the social context, and increases cerebral glucose metabolism in limbic regions. Proceedings of the National Academy of Sciences, 99, 15749-15751.
313. Westergaard, G. C., Suomi, S. J., & Higley, J. D. (2002). Handedness is associated with immune functioning and fearful behavior in rhesus macaques. L laterality, 7, 359-369.
314. Fahlke, C., Garpenstrand, H., Oreland, L., Suomi, S. J., & Higley, J. D. (2002). Platlet monoamine oxidase activity in a nonhuman primate model of Type II excessive alcohol consumption. American Journal of Psychiatry, 159, 2107-2109.
315. Suomi, S. J. (2003). Social and biological mechanisms underlying impulsive aggressiveness in rhesus monkeys. In B. B. Lahey, T. Moffitt, & A. Caspi (Eds.), The causes of conduct disorder and serious juvenile delinquency. New York: Guilford, pp. 345-362.
316. Davenport, M. D., Novak, M. A., Meyer, J. S., Tiefenbacher, S., Higley, J. D., Lindell, S. G., Champoux, M., Shannon, C., & Suomi, S. J. (2003). Continuity and change in emotional regulation in rhesus monkeys throughout the prepubertal period. Motivation and Emotion, 27, 57-76.
317. Barr, C. S., Newman, T. K., Becker, M. L., Champoux, M., Lesch, K. P., Suomi, S. J., Goldman, D. A., & Higley, J. D. (2003). Serotonin transporter gene variation is associated with alcohol sensitivity in rhesus macaques exposed to early-life stress. Alcoholism: Clinical and Experimental Research, 27, 812-817.

318. Barr, C. S., Becker, M. L., Suomi, S. J., & Higley, J. D. (2003). Relationship among CSF monoamine metabolite levels, alcohol sensitivity, and alcohol-related aggression in rhesus macaques. *Aggressive Behavior*, *29*, 288-301.
319. Bastian, M. L., Sponberg, A. C., Suomi, S. J., & Higley, J. D. (2003). Long-term effects of infant rearing condition on the acquisition of dominance rank in juvenile and adult rhesus monkeys (*Macaca mulatta*). *Developmental Psychobiology*, *42*, 44-51.
320. Westergaard, G. C., Chavanne, T. J., Lussier, I. D., Houser, L., Cleveland, A., Suomi, S. J., & Higley, J. D. (2003). Left-handedness is correlated with CSF monoamine metabolite and plasma cortisol concentrations, and with impaired sociality, in free-ranging adult male rhesus macaques (*Macaca mulatta*). *Laterality*, *8*, 169-187.
321. Heinz, A., Jones, D.W., Gorey, J.G., Bennet, A.J. Suomi, S.J., Weinberger, D.R., & Higley, J.D. (2003) Serotonin transporter availability correlates with alcohol intake in non-human primates. *Molecular Psychiatry*, *7*, 231-234.
322. Westergaard, G.C., Suomi, S.J., Chavanne, T.J., Houser, L., Hurley, A., Cleveland, A., Snoy, P.J., & Higley, J.D. (2003). Physiological correlates of aggression and impulsivity in free-ranging female primates. *Neuropsychopharmacology*, *28*, 1045-1055.
323. Barr, C. S., Newman, T. K., Becker, M. L., Parker, C. C., Champoux, M., Lesch, K. P., Goldman, D., Suomi, S. J., & Higley, J. D. (2003). The utility of the non-human primate model for studying gene by environment interactions in behavioral research. *Genes, Brain and Behavior*, *2*, 336-340.
324. Suomi, S. J. (2004). How gene-environment interactions can influence emotional development in rhesus monkeys. In C. Garcia-Coll, E. L. Bearer, & R. M. Lerner (Eds.), *Nature and Nurture: The complex interplay of genetic and environmental influences on human development*. Mahwah, NJ: Lawrence Erlbaum Assoc., pp. 35-51.
325. He, N., Bai, Champoux, M., Suomi, S. J., & Lidel, M. S. (2004). Neurobehavioral deficits in neonatal rhesus monkeys exposed to cocaine *in utero*. *Neurotoxicology and Teratology*, *26*, 13-21.
326. Suomi, S. J. (2004). Gene-environment interactions and the neurobiology of social conflict. In J. A. King, C. f. Ferris, & I. Lederhendler (Eds.), *Roots of mental illness in children*. *Annals of the New York Academy of Science*, *1008*, 132-139.
327. Suomi, S. J. (2004). How gene-environment interactions shape biobehavioral development: Lessons from studies with rhesus monkeys. *Research in Human Development*, *1*, 205-222.
328. Barr, C.S., Newman, T.K., Lindell, S., Becker, M.L., Shannon, C.S., Champoux, C., Suomi, S.J., Higley, J.D. (2004). Early experience and sex interact to influence LHPA-axis function following both acute and chronic alcohol administration in rhesus macaques (*Macaca mulatta*). *Alcoholism: Clinical and Experimental Research*, *28*, 1114-1119.
329. Barr, C. S., Newman, T. K., Shannon, C., Parker, C., Dvoskin, R. L., Becker, M. L., Schwandt, M., Champoux, M., Lesch, K. P., Goldman, D., Suomi, S. J., Higley, J. D. (2004). Rearing condition and rh5-HTTLPR interact to influence LHPA-axis response to stress in infant macaques. *Biological Psychiatry*, *55*, 733-738.

330. Angeloni, S. V., Glynn, N., Ambrosini, G., Garant, M.J., Higley, J. D., Suomi, S. J., & Hansen, B. C. (2004). Characterization of the rhesus monkey ghrelin gene and aging-related factors influencing plasma ghrelin levels. *Endocrinology*, *145*, 2197-2205.
331. Westergaard, G. C., Chavanne, T. J., Houser, L., Cleveland, A., Snoy, P. J., Suomi, S. J., & Higley, J. D. (2004). Behavioral correlates of hand preference in free-ranging female primates. *L laterality*, *9*, 267-285.
332. Barr, C.S., Newman, T.K., Schwandt, M., Shannon, C., Dvoskin, R.L., Lindell, S.G., Taubman, J., Thompson, B., Champoux, M., Lesch, K.P., Goldman, D., Suomi, S.J., Higley, J.D. (2004) Sexual dichotomy of an interaction between early adversity and the serotonin transporter gene promoter variant in rhesus macaques. *Proceedings of the National Academy of Science USA*, *101*, 12358-12363
333. Barr, C. S., Newman, T. K., Lindell, S., Champoux, M., Lesch, K. P., Suomi, S. J., Goldman, D., & Higley, J. D. (2004). Interaction between serotonin transporter gene variation and rearing condition in alcohol preference and consumption in female primates. *Archives of General Psychiatry*, *61*, 1146-1152.
334. Suomi, S. J. (2004). Aggression, serotonin, and gene-environment interactions in rhesus monkeys. In J. Cacioppo & G. Berntson (Eds.), *Essays in social neuroscience*. Cambridge: MIT Press, pp. 15-27.
335. Byrne, G. D., & Suomi, S. J. (2004). Influences of manipulative style, age, gender, and cortisol reactivity on tufted capuchins' (*Cebus apella*) performance on a tool-using task. *Advances in Psychology Research*, *31*, 80-87..
336. Suomi, S. J. (2005). Animal research and its relevance to psychiatry. In B. J. Saddock & V. A. Saddock (Eds.), *Comprehensive textbook of psychiatry* (Vol. 1). Philadelphia: Lippincott Williams & Wilkins, pp. 692-700.
337. Suomi, S. J. (2005). How gene-environment interactions shape the development of impulsive aggression in rhesus monkeys. In D. M. Stoff & E. J. Sussman (Eds.), *Developmental psychobiology of aggression*. New York: Cambridge University Press, pp. 252-268.
338. Suomi, S. J. (2005). Mother-infant attachment, peer relationships, and the development of social networks in rhesus monkeys. *Human Development*, *48*, 67-79.
339. Suomi, S. J. (2005). Aggression and social behaviour in rhesus monkeys. In R. Nelson & D. Pfaff (Eds.), *Molecular mechanisms influencing aggressive behaviours* (Novartis Foundation Symposium # 268). Chichester (UK): John Wiley & Sons, Ltd., pp. 216-226.
340. Erickson, K., Gabry, K. E., Schulkin, J., Gold, P., Lindell, S. G., Higley, J. D., Champoux, M., Suomi, S. J. (2005). Social withdrawal behaviors in nonhuman primates and changes in neuroendocrine and monoamine concentrations during a separation paradigm. *Developmental Psychobiology*, *46*, 33.
341. Zahn-Waxler, C., Usher, B., Cole, P., & Suomi, S. J. (2005). Intersections of biology and behavior in young children's antisocial patterns: The role of development, gender, and socialization. In D. M. Stoff & E. J. Sussman (Eds.), *Developmental psychobiology of aggression*. Cambridge: Cambridge University Press, pp. 141-160.
342. Shannon, C., Schwandt, M. L., Champoux, M., Shoaf, S. E., Suomi, S. J., Linnoila, M., & Higley, J. D. (2005). Maternal absence and stability of individual differences in CSF 5-HIAA concentrations in rhesus monkey infants. *American Journal of Psychiatry*, *162*, 1658-1664.

343. Wendland, J. R., Lesch, K. P., Newman, T. K., Timme, A., Gachot-Neveu, Thierry, B., & Suomi, S. J. (2005). Differential functional variability of serotonin transporter and monoamine oxidase A genes in macaque species displaying contrasting levels of aggression-related behavior. *Behavior Genetics*, *36*, 163-172.
344. Suomi, S. J. (2005). Genetic and environmental factors influencing the expression of impulsive aggression and serotonergic functioning in rhesus monkeys. In R. Tremblay , W. W. Hartup, , & J. Archer (Eds.), *Developmental origins of aggression*. New York: Guilford, pp. 63-82.
345. Newman, T. K., Syagailo, Y., Barr, C. S., Wendland, J., Champoux, M., Graessle, M., Suomi, S. J., Higley, J. D., & Lesch, K. P. (2005). Monoamine oxidase A gene promoter polymorphism and infant rearing experience interact to influence aggression and injuries in rhesus monkeys. *Biological Psychiatry*, *57*, 167-172.
346. Wendland, J. R., Hampe, M., Newman, T. K., Syagailo, Y., Meyer, J., Schempp, W., Timme, A., Suomi, S. J., & Lesch, K. P. Structural variation of the Monamine oxidase A gene promoter repeat polymorphism in nonhuman primates. *Genes, Brain, and Behavior*, *5*, 40-45.
347. Lorenz, J.G., Long, J.C., Linnoila, M., Goldman, D., Suomi, S. J., & Higley, J.D. (2006). Genetic and other contributions to alcohol intake in rhesus macaques. *Alcohol: Clinical and Experimental Research*, *30*, 1-10.
348. Roma, P. G., Champoux, M., & Suomi, S. J. (2006). Environmental control, social context, and individual differences in behavioral and cortisol responses to novelty in infant rhesus monkeys. *Child Development*, *77*, 118-131.
349. Ichise, M., Vines, D. C., Gura, T., Anderson, G. M., Suomi, S. J., Higley, J. D., & Innis, R. B. (2006). Effects of early life stress on [11C] DABS PET imaging of serotonin transporters in adolescent peer- and mother-reared rhesus monkeys. *Journal of Neuroscience*, *26*, 4638-4643.
350. Lutz, C.K., Davis, E. B., Ruggiero, A. M., & Suomi, S. J. (2006). Early predictors of self-biting in socially housed rhesus macaques (*Macaca mulatta*). *American Journal of Primatology*, *68*, 1-7.
351. Pierre, P. J., Bennett, A. J., & Suomi, S. J. (2006). Activity measurement using a modified wristwatch actimetry procedure to provide an index of behavioral regulation and sleep cycles in infant rhesus macaques (*Macaca mulatta*). In G. P. Sackett & G. C. Ruppenthal (Eds.), *Nursery rearing of nonhuman primates in the 21st century*. New York: Kluwer Academic/Plenum, pp. 461-484.
352. Ferrari, P., Visalberghi, E., Paukner, A., Fogassi, L., Ruggiero, A., & Suomi, S. J. (2006). Neonatal imitation in rhesus macaques. *PLoS Biology*, *4*, 1501-1508.
353. Roma, P. G. (2006). The kids are alright: Maternal behavioral interactions and stress reactivity in infants of differentially reared rhesus monkeys. *Journal of Developmental Processes*, *1*, 103-122.

In Press:

Suomi, S. J. How gene-environment interactions can shape the development of socioemotional regulation in rhesus monkeys. In B. S. Zuckerman & A. F. Lieberman (Eds.), Socioemotional regulation: Dimensions, developmental trends, and influences. Skilman, NJ: Johnson & Johnson.

Hibbeln, J. R., DePetrillo, P., Champoux, M., Higley, J. D., Bennett, A. J., Lindell, S. G., Shannon, C., Suomi, S. J., & Salem, N. Infant formula supplementation with long chain essential fatty acids and persistent improvements in heart rate variability in rhesus monkeys. American Journal of Clinical Nutrition.

Westergaard, G. C., Liv, C., Rocca, A., Cleveland, A., & Suomi, S. J. Capuchin monkeys (Cebus apella) attribute value to foods and tools during voluntary exchanges with humans. Animal Cognition.

.Suomi, S. J. Gene-environment interactions and inter-individual differences in rhesus monkey behavioral and biological development. In A. Fogel & S. Shanker (Eds.), Human development in the 21st Century: Visionary policy ideas from systems scientists. Bethesda, MD: Council for Human Development

Roma, P. G., Silberberg, A., Ruggiero, A., & Suomi, S. J. Capuchin monkeys, inequality aversion, and the frustration effect. Journal of Comparative Psychology.

Barr, C.S., Schwandt, M. L., Lindell, S. G., Suomi, S. J. Goldman, D., Heilig, M., & Higley, J. D. Mu opiod receptor gene variation is associated with alcohol response and consumption in rhesus monkeys. Archives of General Psychiatry.

Schwandt, M. L., Barr, C. S., Suomi, S. J., & Higley, J. D. Age-dependent variation in behavior following acute ethanol administration in male and female adolescent rhesus macaques (Macaca mulatta). Alcoholism: clinical and Experimental Research.

INVITED COLLOQUIA, WORKSHOP, AND CONVENTION PRESENTATIONS:

To date, Dr. Suomi has delivered over 350 invited colloquia, workshop and symposium presentations, and convention papers. He has presented invited colloquia at over 125 colleges and universities, including Harvard, Yale, Stanford, Cambridge, Michigan, Berkeley, Brown, and Princeton. He has participated in various scientific workshops and symposia in 14 different foreign countries.