

## Curriculum vitae

### **John P. Capitanio**

California National Primate Research Center  
University of California  
One Shields Avenue  
Davis, CA 95616

tel: (530) 752-4002  
fax: (530) 752-2880

### **PROFESSIONAL APPOINTMENTS**

2008-present Research Psychologist, Department of Psychology, University of California, Davis  
1994-present Core Scientist, California National Primate Research Center  
2005-2013 Member, Predoctoral Training Program in Affective Science (Stanford, UC San Francisco, UC Berkeley, UC Davis)  
2002-2011 Associate Director for Research, California National Primate Research Center, Univ. of California, Davis  
2002-2008 Professor, Department of Psychology, University of California, Davis  
1997-2005 Member, Animal Behavior Graduate Group, University of California, Davis  
1999-2002 Associate Professor, Department of Psychology, University of California, Davis  
1997-1999 Assistant Professor, Department of Psychology, University of California, Davis  
1996-1997 Associate Research Psychologist, Department of Psychology, University of California, Davis  
1991-1996 Assistant Research Psychologist, Department of Psychology, University of California, Davis  
1993-1995 Visiting Scientist, Division of Pathobiology and Immunobiology, Yerkes Regional Primate Research Center, Emory University, Atlanta  
1992-1995 Adjunct Assistant Professor, Department of Comparative Medicine, Bowman Gray School of Medicine, Winston-Salem, NC  
1992-1994 Affiliate Scientist, California Regional Primate Research Center  
1990 Postgraduate Researcher, Department of Psychology, University of California, Davis  
1989 Assistant Professor of Psychology and Biology, Champlain College, Burlington, VT  
1988 Adjunct Instructor of Psychology, Vermont Technical College, Randolph, VT  
1986 Assistant Scientist, Kinsey Institute, Indiana University, Bloomington  
1984-1986 Assistant Professor, Department of Psychology, University of Massachusetts, Boston  
1982-1984 Postdoctoral Trainee, Department of Psychiatry, University of Colorado Medical School, Denver  
1982 Adjunct Instructor, Department of Psychology, University of Denver, Denver

### **EDUCATION**

1982-1984 Postdoctoral Training, Dept. of Psychiatry, University of Colorado Medical School  
1978-1982 Ph.D., Comparative Psychology, University of California, Davis, CA  
1977-1978 M.A., Comparative Psychology, University of California, Davis, CA  
1976 B.S., Psychology, University of Massachusetts, Amherst, MA

### **COURSES TAUGHT**

Introductory Psychology  
Introductory Psychobiology  
Animal Models of Psychopathology  
Health Psychology

Introductory Biology  
Comparative Psychology  
Physiological Psychology  
History of Animal Behavior

### **HONORS AND AWARDS**

2013 Fellow, American Association for the Advancement of Science  
2012 Distinguished Primatologist, American Society of Primatologists  
2011 Fellow, Academy of Behavioral Medicine Research

- 2011 Fellow, Association for Psychological Science  
 2010-2011 Guest Editor, American Journal of Primatology: Special issue on Social Processes and Disease in Nonhuman Primates.  
 2008 Guest Editor, Brain, Behavior, and Immunity: Special issue on Personality, Immunity, and Disease  
 2004 Fellow, Division 6, American Psychological Association  
 2003 Patricia R. Barchas Award in Sociophysiology, American Psychosomatic Society  
 2000-2002 President, American Society of Primatologists  
 1982 Outstanding Teaching Award, University of California, Davis  
 1979-1981 University of California Regents' Fellowship (awarded annually)  
 1976 Bachelor of Science, summa cum laude, University of Massachusetts, Amherst

**FUNDED GRANTS – CURRENTLY ACTIVE**

- 2011-2020 Principal Investigator on subcontract, Co-Investigator: *Social regulation of gene expression*, John Cacioppo, University of Chicago, Principal Investigator, National Institute on Aging (R37 AG033590).  
 MERIT award renewed in 2015.  
 2015-2020 Principal Investigator on subcontract, Co-Investigator: *A monkey model of naturally occurring social impairments*, Karen Parker, Stanford University, Principal Investigator. National Institute on Child Health and Human Development (R01 HD087048).  
 2004-2019 Principal Investigator: *Biobehavioral characterization of infant rhesus monkeys*, National Center for Research Resources/Office of Research Infrastructure Programs (R24 OD010962).  
 Originally funded as peer-reviewed Resource grant in 2000.  
 Competing continuations funded 2004, 2009, and 2015.  
 2015-2018 Principal Investigator on subcontract, Co-Investigator: *Detecting and treating social impairments in a monkey model*, Karen Parker, Stanford University, Principal Investigator. Simons Foundation.  
 2015-2018 Principal Investigator on subcontract, Co-Investigator: *Adolescent outcomes of early life lactocrine programming of temperament*, Katie Hinde, Arizona State University, Principal Investigator. National Science Foundation (IOS 1456174).  
 2015-2017 Co-Investigator: *Individual differences in early autonomic nervous system activity*, Eliza Bliss-Moreau, UC Davis, Principal Investigator. National Institute on Child Health and Human Development (R21 HD086356).  
 2013-2017 Principal Investigator on subcontract, Co-Investigator: *Maternal temperament, stress, and inflammation in preterm birth*, Louis Muglia, Cincinnati Childrens' Hospital, Principal Investigator. National Institute on Child Health and Human Development (R01 HD078127).  
 2012-2017 Co-Investigator: *Expanding the utility of social network analysis for multilevel health outcomes*, Brenda McCowan, UC Davis, Principal Investigator. National Center for Research Resources (R01 HD068335).

**FUNDED GRANTS – EXPIRED**

- 2015-2017 Co-Investigator: *Pre-clinical evaluation of oxytocin for ASD treatment discovery*, Melissa Bauman, UC Davis, Principal Investigator. National Institute on Child Health and Human Development (R21 HD080498).  
 2015-2017 Co-Investigator: *Asthma, anxiety, and GR abnormalities in nonhuman primates*, Angela Haczku, UC Davis, Principal Investigator. National Institute of Allergy and Infectious disease (R21 AI116121).  
 \*2006-2016 Principal Investigator on subcontract, *Plasticity and regeneration in the primate*

- spinal cord*, Mark Tuszynski, University of California, San Diego, Principal Investigator. National Institute of Neurological Disorders and Stroke (R01 NS042291).
- 2007-2016 Co-Investigator: *Behavioral management of deleterious aggression in rhesus macaques*, Brenda McCowan, UC Davis, Principal Investigator. National Center for Research Resources (R24 OD011136 ).  
Competing continuation funded 2011.
- 2011-2016 Principal Investigator on subcontract, Co-Investigator: *Neurodevelopmental profiling of the epigenome and transcriptome in human and rhesus monkeys*, Fatemah Haghighi, Columbia University, Principal Investigator. National Institute of Mental Health (R01 MH094774).
- 2013-2015 Principal Investigator on subcontract, Co-Investigator: *Rhesus model for proinflammatory influences on depression*, Michael Hennessy, Wright State University, Principal Investigator. National Institute of Mental Health (R21 MH099361).
- 2014-2015 Co-Investigator, *Transgenerational effects of early stress*, Erin Kinnally, UC Davis, Principal Investigator. National Institute of Child Health and Human Development, NIH (R21 TW009799).
- \*2011-2015 Principal Investigator on subcontract, *Gene Therapy for Treatment of Spinal Cord Injury*, Jacqueline Bresnahan, University of California, San Francisco, Principal Investigator. Neilsen Foundation (7806sc).
- 2013-2015 Principal Investigator on subcontract, Co-Investigator: *Biomarker discovery for low sociability: A monkey model*, Karen J. Parker, Stanford University, Principal Investigator. Simons Foundation (274472).
- 2013-2015 Principal Investigator on subcontract, Co-Investigator: *A monkey model of naturally occurring low sociability*, Karen J. Parker, Stanford University, Principal Investigator. National Institute of Child Health and Human Development (R21 HD079095).
- \*2012-2015 Principal Investigator on subcontract, *Functional neural relay formation by human stem cells to treat spinal cord injury*, Mark Tuszynski, University of California, San Diego, Principal Investigator. California Institute of Regenerative Medicine (TR3-05628).
- \*2012-2015 Principal Investigator on subcontract, *Human neural stem cells form functional neural relays after primate spinal cord injury*, Ephron Rosenzweig, University of California, San Diego, Principal Investigator. Department of Defense (SC110150).
- \*2011-2015 Principal Investigator on subcontract, *SCI Consortium Study*, Mark Tuszynski, University of California, San Diego, Principal Investigator. Veteran's Administration (VA262-P-1194).
- 2010-2015 Co-Investigator, Principal Investigator on subcontract, *Silvio O. Conte Centers for Basic and Translational Mental Health Research: Serotonergic modulation of brain development: Genetic and pharmacologic influences on structure, function, and behavior*, Jay Gingrich, Columbia University, Principal Investigator, National Institute of Mental Health (P50 MH090966).
- \*2002-2014 Principal Investigator on subcontract, *Gene therapy in primates*, Mark Tuszynski, University of California, San Diego, Principal Investigator. National Institute of Aging (P01 AG010435).  
Competing continuation funded 2010.
- 2009-2012 Co-Investigator, *Development, management, and use of a SNP map for rhesus macaques*, David Glenn Smith, UC Davis, Principal Investigator, National Center for Research Resources (R24 RR025871).
- 2011-2012 Co-Investigator, *Persistent Immune Effects of Wildfire PM Exposure During*

- Childhood Development*, Lisa Miller, UC Davis, Principal Investigator. State of California Air Resources Board.
- \*2010-2011 Principal Investigator on subcontract, *Neural stem cells as a developmental candidate to treat Alzheimer's Disease*, Frank La Ferla & Mark Tuszynski, University of California, San Diego, Principal Investigators, California Institute of Regenerative Medicine.
- 2007-2011 Principal Investigator, *Methamphetamine, stress and SIV: Effects at blood-brain barrier and lymph nodes*, National Institute on Drug Abuse (R01 DA024441).  
 Administrative supplement funded 2008.  
 Administrative supplement funded 2009.
- 2009-2011 Principal Investigator, *Temperament as a risk factor in a monkey model of asthma susceptibility*, National Heart, Lung, and Blood Institute (R21 HL089148).
- 2008-2010 Co-Investigator, *Innovative nursery-rearing for improving rhesus macaques as biomedical models*, Brenda McCowan, UC Davis, Principal Investigator. National Center for Research Resources (R21 RR022797).
- 2005-2006 Principal Investigator, *Biomedical research with nonhuman primates: An education outreach program*, American Association for Laboratory Animal Science Foundation; additional funding from Charles River Foundation.
- 2001-2006 Co-Investigator, *Environmental factors in the etiology of autism*, Isaac N. Pessah, UC Davis, Principal Investigator on Center grant. National Institute of Environmental Health Sciences (P01 ES011269).
- 2000-2005 Principal Investigator, *Biobehavioral characterization for management and research purposes*, Resource Research project on Base operating grant of California Regional Primate Research Center (P51 RR00169).
- 2001-2005 Co-Investigator, *A non-human primate model for cytomegalovirus vaccines*, Peter A. Barry, UC Davis, Principal Investigator. National Institute of Allergy and Infectious Disease (AI49342).
- 1993-2005 Principal Investigator, *Simian AIDS: Social stress, endocrine and immune function*, National Institutes of Mental Health (R01 MH49033).  
 Competing continuations funded 1996, 1998, 2003.  
 Administrative supplement funded 1999.
- \*1999-2004 Principal Investigator on subcontract, *Estrogen and the aging brain*, John Morrison/Peter Rapp, Mt. Sinai School of Medicine, Principal Investigators. National Institute of Aging (P01 AG16765).
- \*1998-2004 Principal Investigator on subcontract, *Cognitive function in the aged monkey*, Peter Rapp, Mt. Sinai School of Medicine, Principal Investigator. National Institute of Aging (R01 AG10606).
- 1998-2003 Co-investigator, *Neurobiology of primate social behavior*, David G. Amaral, UC Davis, Principal Investigator, National Institute of Mental Health (R01 MH057502).
- 1995-2000 Principal Investigator, *Individual differences in biobehavioral organization in rhesus monkeys*, Core project on Base operating grant of California Regional Primate Research Center (P51 RR00169).
- 1995-1999 Co-investigator, *HIV/AIDS-related public attitudes and beliefs in the U.S.* Gregory M. Herek, UC Davis, Principal Investigator, National Institute of Mental Health (R01 MH055468).
- 1992-1994 Principal Investigator, *Progression to simian AIDS: Psychosocial influences*, National Institute of Mental Health (R03 MH48631).
- 1990-1992 Co-investigator, *Cultural differences in AIDS-related attitudes and behaviors among Californians*, G.M. Herek, UC Davis, Principal Investigator, University of California Universitywide AIDS Research Program.

- 1985 Principal Investigator, *Troop size and social development in rhesus macaques*, Faculty Development Award, University of Massachusetts, Boston.
- 1983 Principal Investigator, *Induction of maternal behavior in primates*, Developmental Psychobiology Research Grant, University of Colorado Medical School, Denver
- 1981 Graduate Research Award, *Early rearing experience and learning abilities in rhesus macaques*, University of California, Davis.

\*Service grants for the California National Primate Research Center; my role was staff management and having fiscal responsibility for the subcontracts. I made no intellectual contribution to the research, and was not a co-author on publications.

### PROFESSIONAL SERVICE

- 2017 Member, Search Committee for Editor, American Journal of Primatology
- 2015-present Member, National Primate Research Center Consortium's Phenotype Mining and New Model Development Committee
- 2015-present Member, National Scientific Advisory Board, Washington National Primate Research Center
- 2014-present Member, ad hoc committee on data sharing, American Psychological Association
- 2014-2016 Member and Chair (2016), Committee on Animal Research and Ethics, American Psychological Association
- 2014-2016 Member, Advisory Board for Wake Forest Primate Research Center
- 2013 Member, quadrennial review committee for National Advisory Council on Aging's review of NIA Division of Behavioral and Social Research
- 2010-present Member, Media and Information Committee, American Society of Primatologists
- 1996-present Publications Committee, American Society of Primatologists
- 1995-present World Wide Web page founder and manager, American Society of Primatologists (www.asp.org)
- 2011-2012 Nominations Committee, American Society of Primatologists
- 2010 Chair, External Advisory Committee, Brain and Behavior in Iron Deficient Infants, P01 HD039386
- 2009-2010 Co-Chair, National Primate Research Centers Consortium Workgroup on Data Access
- 2008-2010 Chair, Media and Information Committee, American Society of Primatologists
- 2008-2011 Nominations Committee, Psychoneuroimmunology Research Society
- 2007-2010 Member, National Primate Research Centers Consortium Workgroup on Genome Banking
- 2006-2007 Member, Editor Search Committee, American Journal of Primatology
- 2006 Member, Nominations Committee, American Society of Primatologists
- 2004 Chair, Nominations Committee, American Society of Primatologists
- 2002-2004 Past President, American Society of Primatologists
- 2000-2002 President, American Society of Primatologists
- 2000-2002 Council Member, International Primatological Society
- 1998-2004 Board of Directors, American Society of Primatologists
- 1998-2000 President-Elect, American Society of Primatologists
- 1994-1996 Executive Committee, American Society of Primatologists
- 1994-1996 Chair, Research and Development Committee, American Society of Primatologists
- 1994 Nominations Committee, American Society of Primatologists
- 1992-1994 Executive Committee, American Society of Primatologists
- 1992-1994 Chair, Research and Development Committee, American Society of Primatologists
- 1990-1992 Research and Development Committee, American Society of Primatologists.
- 1986-1987 Program Committee, American Society of Primatologists.

- 1986 Student Paper Prize Judge, American Society of Primatologists.  
 1986 Nominations Committee, American Society of Primatologists.

**UNIVERSITY/DEPARTMENTAL SERVICE**

- 2017 Chair, Academic Personnel Peer Review Committee, Dept. of Psychology  
 2015-present Chair, Academic Personnel Committee, California National Primate Research Center  
 2015-present Unit Leader, Neuroscience and Behavior Unit, California National Primate Research Center  
 2015-2016 Member, Provost’s Committee for Letters and Sciences Reorganization Vision  
 2015-2016 Member, Biological Psychology-Primatologist search committee, Dept. of Psychology  
 2010-2016 Member, Behavior Assessment Core, California National Primate Research Center  
 2013-2014 Member, Joint Academic Senate/Provost Task Force on the Academic Organization of UC Davis  
 2008-2013 Leader, Analytical and Resource Core, California National Primate Research Center  
 2010 Member, Vice Chancellor for Research Search Committee  
 2009-2012 Member, Distinguished Speaker Series, Dept. of Psychology  
 2009-2010 Chair, Academic Personnel Committee, California National Primate Research Center  
 2007-2008 Animal Care Committee, Dept. of Psychology  
 2006-2008 Area Head, Psychobiology, Dept. of Psychology  
 2006-2008 Graduate Admissions Committee, Dept. of Psychology  
 2006-2007 Chair, Biological Psychology Search Committee, Dept. of Psychology  
 2006-2006 Animal Behavioral Biologist search committee, Animal Science Dept., UC Davis  
 2006-2009 Animal Research Communications Committee, UC Davis  
 2004-2006 Provost’s Animal Facilities Assessment and Master Plan Committee, UC Davis  
 2004-2008 Planning Committee, Childhood Health and Disease Facility, CNPRC  
 2004-2005 Psychobiology Search Committee, Dept. of Psychology, UC Davis  
 2003 University Investigator and Skelly Officer, UC Davis  
 2003-2004 Research and Computer Support Committee, Dept. of Psychology, UC Davis  
 2002-2004 Executive Committee, Animal Behavior Graduate Group, UC Davis  
 2000-2001 Chair, Data Services Committee, California Regional Primate Research Center  
 2000-2003 Chair, Research and Computer Support Committee, Dept. of Psychology, UC Davis  
 1999-2000 Chair, Graduate Admissions Committee, Dept. of Psychology, UC Davis  
 1998-2002 Unit Leader, Brain, Mind, and Behavior Unit, California Regional Primate Research Center  
 1998-2011 Research Advisory Committee, California National Primate Research Center  
 1998-2000 Area Head, Psychobiology, Department of Psychology, UC Davis  
 1998-2000 Environmental Enrichment Committee, California Regional Primate Research Center  
 1998 Planning Committee, California Regional Primate Research Facility Field Corral Expansion Project  
 1998-2003 California Regional Primate Research Center Campus Advisory Committee, UC Davis (reappointed 6/00)  
 1998-2000 Executive Committee, Animal Behavior Graduate Group, UC Davis  
 1998-2000 Area Head, Psychobiology, Department of Psychology, UC Davis  
 1998-2001 Preliminary Examination Committee, Animal Behavior Graduate Group, UC Davis (Chair: 1999-2001)  
 1998-1999 Quantitative Psychology Search Committee, Department of Psychology, UC Davis  
 1997-1998 Developmental Psychobiology Search Committee, Department of Psychology, UC Davis  
 1996-1998 Computer Advisory Committee, California Regional Primate Research Center, UC Davis  
 1991, 1992 Graduate Student Teaching Award Committee, University of California, Davis

1985-1986 Graduate Program Development Committee, University of Massachusetts, Boston  
 1985-1986 Curriculum Committee, University of Massachusetts, Boston  
 1984-1986 Personnel Committee, University of Massachusetts, Boston  
 1982 Graduate Student Assembly Executive Committee, University of California, Davis  
 1979-1981 Teaching Effectiveness Committee, University of California, Davis

**EDITORIAL AND GRANT REVIEWING**

2017 Deutsche Forschungsgemeinschaft review panel for “Sociality and Health in Primates,” Sept., 2017.  
 2016 Biobehavioral Regulation, Learning, and Ethology Study Section, NIH, June, 2016.  
 2016 Graduate Women in Science Fellowship, March, 2016.  
 2015 Mechanisms of Emotion, Stress, and Health review panel, NIH, October, 2015.  
 2015 NIH Director’s Pioneer Award review panel, 2015/05 ZRG1 BCMB-N (50) R, February, 2015.  
 2014 Deutsche Forschungsgemeinschaft review panel for “Sociality and Health in Primates,” March, 2014.  
 2013 Quadrennial review panel on Biosocial and BioBehavioral Research, Division of Behavioral and Social Research, National Institute on Aging, 2013.  
 2012 Center for Scientific Review, NIH, Special Emphasis Panel, 2012/08 ZRG1 BBBP-J (50) R. RFA HL-12-037, Mechanistic Pathways Linking Psychosocial Stress and Behavior, May, 2012.  
 2012 NIDA Avant Garde Award review panel. 2012/05 ZDA1 NXR-B (10) Y, Jan 2012.  
 2011 The Leakey Foundation, San Francisco, CA (multiple grants), Sept, 2011.  
 2011 International AIDS Society - National Institute on Drug Abuse Fellowship Committee  
 2010 NIH Recovery Act Limited Competition: NIH Director’s Opportunity for Research in Five Thematic Areas (RC4), ZRG1 BDCN-A (55)R – May, 2010  
 2010 NIDA Avant Garde Award review panel. Special Emphasis Panel ZDA1 NXR-B (17) 1, April, 2010.  
 2010 National Science Foundation, April, 2010.  
 2009 National Science Foundation, November, 2009.  
 2009 NIDA Director’s Avant Garde Award, Interview Panel. Special Emphasis Panel ZDA1 NXR-B (12), July 13-15, 2009.  
 2009 Center for Scientific Review, NIH, Challenge Grant review panel. Special Emphasis Panel ZRG1 IFCN-A (58)R, June 5, 2009.  
 2009 NIDA Avant Garde Award review panel. Special Emphasis Panel ZDA1 NXR-B (08) 1, April, 2009.  
 2009 NCRR, NIH. Special Emphasis Panel, ZRR1 SRC(99), 3/19/2009.  
 2009 The Leakey Foundation, San Francisco, CA  
 2008 Chair, NIDA Director’s Avant Garde Award, Interview Panel. Special Emphasis Panel ZDA1 NXR-B (26), July 8-10, 2008.  
 2008 Center for Scientific Review, NIH, Special Emphasis Panel ZMH1 ERB-H 10 S, 8/04/08.  
 2008 NIDA Avant Garde Award review panel. Special Emphasis Panel ZDA1 NXR-B (09), May, 2008.  
 2008 Center for Scientific Review, NIH, Special Emphasis Panel ZMH1 ERB-H 07 S, 3/28/08.  
 2007 Center for Scientific Review, NIH, Special Emphasis Panel ZMH1 SRC(99), 11/7/07.  
 2007 Southwest National Primate Research Center Pilot Research Program, ad hoc  
 2006-2008 Guest Editor, Brain, Behavior, and Immunity: Special Issue on Personality, Immunity, and Disease

- 2006-2015 Editorial Board, Brain, Behavior & Immunity  
 2006 Center for Scientific Review, NIH, Mechanisms of Stress, Emotion, and Health study section, ad hoc  
 2006 National Science Foundation. Behavioral Systems Cluster, ad hoc  
 2005 Center for Scientific Review, NIH, Mechanisms of Stress, Emotion, and Health study section, ad hoc  
 2005 The Leakey Foundation, San Francisco, CA  
 2004 Center for Scientific Review, NIH, Developmental Brain Disorders study section, DBD(01), ad hoc  
 2002-2009 Editorial Advisory Board, Special Topics in Primatology, American Society of Primatologists  
 2002 NIAAA, NIH. Special Emphasis Panel ZAA1 CC 21 R. RFA AA02-006, Nonhuman primate models of neurobiological mechanisms of adolescent alcohol abuse, 7/18/02.  
 2002 NCRR, NIH. RIRG-C (01). NHLBI-RR-P-01-759 Contract Workgroup (01). Operation and maintenance of a sanctuary to provide lifetime care for chimpanzees. 1/4/02.  
 2001 External Review Program, Veterans Administration  
 2000 NIMH, NIH Panel AARR-5  
 2000 Earthwatch Institute, Oxford, England  
 2000 The Leakey Foundation, San Francisco, CA  
 2000 NCRR, NIH, ZRR1-SRC(99)  
 2000 NIMH, NIH, Special Emphasis Panel ZRG1 AARR-5 (01)  
 2000 NIMH, NIH, Special Emphasis Panel ZMH1 BRB-T 04 S  
 1999-2005 Associate Editor, American Journal of Primatology  
 1999 NIDA Special Emphasis Panel on Basic behavioral and cognitive science research: Approaches to the study of HIV/AIDS and drug abuse  
 1997-1999 Consulting Editor, American Journal of Primatology  
 1997 Ad hoc reviewer, NCRR, NIH  
 1994-1997 Consulting Editor, Journal of Sex Research.  
 Since 2012 Ad hoc reviewer: American Journal of Physical Anthropology, American Journal of Primatology, American Naturalist, American Psychologist, Animal Behaviour, Behavioural Processes, Developmental Psychobiology, Developmental Psychology, ILAR Journal, International Journal of Primatology, Journal of AALAS, Journal of Comparative Psychology, Neuropsychopharmacology, Neurotoxicology and Teratology, Perspectives on Psychological Science, Physiology and Behavior, PLoS One, Proceedings of the Royal Society B, Psychological Science, Psychoneuroendocrinology, Research in Veterinary Science.

## PROFESSIONAL AFFILIATIONS

- Academy of Behavioral Medicine Research (Fellow)
- American Association for the Advancement of Science (Fellow)
- American Psychological Association (Fellow)
- American Psychosomatic Society
- American Society of Primatologists
- Association for Psychological Science (Fellow)
- International Primatological Society
- International Society for Developmental Psychobiology
- Psychoneuroimmunology Research Society (Charter Member)
- Society for Neuroimmune Pharmacology
- Society for Neuroscience



Society for Social Neuroscience

**John P. Capitanio  
Publications List**

**Articles and Chapters**

1. Linden, J.B., McCowan, B., Capitanio, J.P., Isbell, L.A., submitted. Early-life measures of temperament predict hair cortisol and rank attainment following new group formation in captive rhesus macaques (*Macaca mulatta*). American Journal of Primatology.
2. Madrid, J.E., Oztan, O., Sclafani, V., Del Rosso, L.A., Calonder, L.A., Chun, K., Capitanio, J.P., Garner, J.P., Parker, K.J., under revision. Early face recognition ability predicts cerebrospinal fluid oxytocin concentrations later in life. Scientific Reports.
3. Parker, K.J., Garner, J.P., Oztan, O., Tarara, E.R., Li, J., Sclafani, V., Del Rosso, L.A., Chun, K., Berquist, S.W., Chez, M.G., Partap, S., Hardan, A.Y., Sherr, E.H., Capitanio, J.P., under revision. Biomarker discovery for social impairments: Translation from a novel monkey model to patients with autism. Science Translational Medicine.
4. Capitanio, J.P., Vandeleest, J., Hannibal, D.L., submitted. Physiological measures of welfare. In L. Robinson & A. Weiss, eds., *Nonhuman Primate Welfare*. NY: Springer.
5. Capitanio, J.P., in press. Naturally-occurring nonhuman primate models of psychosocial processes. To appear in special issue on Contributions of Primate Research to Human Studies. ILAR Journal.
6. Capitanio, J.P., Mason, W.A., in press. Personality as adaptation: Perspectives from nonhuman primates. In Lynam, D. R. & Samuel, D. B. (Eds.), Using basic personality research to inform the personality disorders. New York: Oxford University Press. PMC exempt.
7. Capitanio, J.P. Variation in BioBehavioral Organization. Pp. 55-73 in S. Schapiro (Ed.), Handbook of Primate Behavioral Management, 2017. Boca Raton, FL: CRC Press. PMC exempt.
8. Bliss-Moreau, E., Moadab, G., Capitanio, J.P. Maternal rearing environment impacts autonomic nervous system activity. Developmental Psychobiology, 2017, 59:551-556. PMC5423540.
9. Capitanio, J.P. Capitanio, John P. (biographical entry). In V. Zeigler-Hill, T.K. Shackelford (Eds.), Encyclopedia of Personality and Individual Differences, 2017. New York: Springer. doi:10.1007/978-3-319-28099-8\_393-1. PMC exempt.
10. Capitanio, J.P. Personality. In A. Fuentes (Ed.) International Encyclopedia of Primatology, 2017. New York: John Wiley & Sons. DOI: 10.1002/9781119179313.wbprim0257. PMC exempt.
11. Hennessy, M., Chun, K., Capitanio, J.P. Depressive-like behavior, its sensitization, social buffering and altered cytokine responses in rhesus macaques moved from outdoor social groups to indoor housing. Social Neuroscience, 2017, 12:65-75. PMC4988930.
12. Hannibal, D.L., Bliss-Moreau, E., Vandeleest, J., McCowan, B., Capitanio, J.P. Laboratory rhesus macaque social housing and social changes: Implications for research. American Journal of Primatology, 2017, 79:1-14. PMC5436575.

13. Capitanio, J.P., Blozis, S.A., Snarr, J., Steward, A., McCowan, B.J. Do "birds of a feather flock together" or do "opposites attract"? Behavioral responses and temperament predict success in pairings of rhesus monkeys in a laboratory setting. American Journal of Primatology, 2017, 79:e22464. doi:10.1002/ajp.22464. PMC5344041.
14. Chun, K., Capitanio, J.P., Lamkin, D., Sloan, E., Arevalo, J., Cole, S.W. Social regulation of the lymph node transcriptome in rhesus macaques (*Macaca mulatta*). Psychoneuroendocrinology, 2017, 76: 107-113. PMC5510871.
15. Sclafani V, Del Rosso LA, Seil SK, Calonder LA, Madrid JE, Bone KJ, Sherr EH, Garner JP, Capitanio JP, Parker KJ. Early predictors of impaired social functioning in male rhesus macaques (*Macaca mulatta*). PLoS ONE, 2016, 11(10): e0165401. doi:10.1371/journal.pone.0165401. PMC5082922.
16. Vandeleest, J.J., Beisner, B.A., Hannibal, D.L., Nathman, A., Capitanio, J.P., Hsieh, F., Atwill, E.R., McCowan, B. Decoupling social status and status certainty effects on health: A network approach. PeerJ, 2016, 4:e2394; DOI 10.7717/peerj.2394. PMC5028790.
17. Herrington, J.A., Del Rosso, L., Capitanio, J.P. Biobehavioral consequences of prenatal exposure to a matrilineal overthrow and relocation in captive infant rhesus (*Macaca mulatta*) monkeys. American Journal of Primatology, 2016, 78:895-903. PMC5378313.
18. Elfenbein, H.A., Del Rosso, L., McCowan, B., Capitanio, J.P. Effect of indoor compared with outdoor location during gestation on the incidence of diarrhea in indoor-reared rhesus macaques (*Macaca mulatta*). Journal of AALAS, 2016, 55: 277-290. PMC4865688.
19. Chun, K., Capitanio, J.P. Developmental consequences of behavioral inhibition: A model in rhesus monkeys (*Macaca mulatta*). Developmental Science, 2016, 19: 1035-1048. PMC5369653.
20. Cole, S.W., Capitanio, J.P., Chun, K., Arevalo, J.M.G., Ma, J., Cacioppo, J.T. Myeloid differentiation architecture of leukocyte transcriptome dynamics in perceived social isolation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112: 15142-15147. PMC4679065  
note: alternative metric score = 622; in the 99th percentile of a sample of the 243684 tracked articles of a similar age in all journals.
21. Kinnally, E.L., Capitanio, J.P. Paternal early experiences influence infant development through non-social mechanisms in rhesus macaques. Frontiers in Zoology, 2015, 12(Suppl 1):S14. PMC4722344.
22. Capitanio, J.P., Cole, S.W. Social instability and immunity in rhesus monkeys: The role of the sympathetic nervous system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370: 20140104. <http://dx.doi.org/10.1098/rstb.2014.0104>. PMC4410371.
23. Hawkey, L.C., Capitanio, J.P. Perceived social isolation, evolutionary fitness, and health outcomes: A lifespan approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 370: 20140114. <http://dx.doi.org/10.1098/rstb.2014.0114>. PMC4410380.
24. Cacioppo, J. T., Cacioppo, S., Cole, S. W., Capitanio, J. P, Goossens, L., & Boomsma, D. I.

- Loneliness across phylogeny and a call for comparative studies and animal models. Perspectives on Psychological Science, 2015, 10: 202-212. PMC5090712.
25. Hinde, K. Skibiell, A.L., Foster, A.B., del Rosso, L., Mendoza, S.P., Capitanio, J.P. Cortisol in mother's milk reflects maternal life history and predicts infant temperament. Behavioral Ecology, 2015, 26: 269-281. PMC4309982.
  26. Cacioppo, J.T., Cacioppo, S., Capitanio, J.P., Cole, S.W. The neuroendocrinology of social isolation. Annual Review of Psychology, 2015, 66: 733-767. PMC5130104.
  27. Cacioppo, S., Capitanio, J.P., Cacioppo, J.T. Toward a neurology of loneliness. Psychological Bulletin, 2014, 140: 1464-1504. PMC5130107.
  28. Capitanio, J.P., Hawkley, L.C., Cole, S.W., Cacioppo, J.T. A behavioral taxonomy of loneliness in humans and rhesus monkeys (*Macaca mulatta*). PLoS ONE, 2014, 9(10), e110307. doi:10.1371/journal.pone.0110307. PMC4212962.
  29. Hennessy, M.B., McCowan, B., Jiang, J., Capitanio, J.P. Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. Frontiers in Behavioral Neuroscience, 2014, 8:309. doi: 10.3389/fnbeh.2014.00309. PMC4159029.
  30. Weinstein, T.A.R., Bales, K.L., Maninger, N., Hostetler, C.M., Capitanio, J.P. Early involvement in friendships predicts later plasma concentrations of oxytocin and vasopressin in juvenile rhesus macaques (*Macaca mulatta*). Frontiers in Behavioral Neuroscience, 2014, 8:295. doi: 10.3389/fnbeh.2014.00295. PMC4147354.
  31. Phillips, K.A., Bales, K.L., Capitanio, J.P., Conley, A., Czoty, P., 't Hart, B.A., Hopkins, W.D., Hu, S-L., Miller, L.A., Nader, M.A., Nathanielsz, P.W., Rogers, J., Shively, C., Voytko, M.L. Why primate models matter. American Journal of Primatology, 2014, 76: 801-827. PMC4145602.
  32. Gottlieb, D.H., Capitanio, J.P., McCowan, B. Risk factors for stereotypic behavior and self-biting in rhesus macaques (*Macaca mulatta*); Animal's history, current environment, and personality. American Journal of Primatology, 2013, 75: 995-1008. PMC3973020.
  33. Vandeleest, J.J., Blozis, S.A., Mendoza, S.P., Capitanio, J.P. The effects of birth timing and ambient temperature on the hypothalamic-pituitary-adrenal axis in 3-4 month old rhesus monkeys. Psychoneuroendocrinology, 2013, 38:2705-2712. PMC3812365.
  34. Vandeleest, J.J., Mendoza, S.P., Capitanio, J.P. Birth timing and the mother-infant relationship predict variation in infant behavior and physiology. Developmental Psychobiology, 2013, 55: 829-837. PMC3979463.
  35. Sorenson, A., Sullivan, E.C., Mendoza, S.P., Capitanio, J.P., Higley, J.D. Serotonin transporter genotype modulates HPA axis output during stress: Effect of stress, dexamethasone test and ACTH challenge. Translational Developmental Psychiatry, 2013, 1, 21130. PMC4109987.
  36. Chun, K., Miller, L.A., Schelegle, E.S., Hyde, D.M., Capitanio, J.P. Behavioral inhibition in rhesus monkeys (*Macaca mulatta*) is related to the airways response, but not immune measures, commonly associated with asthma. PLoS ONE, 2013, 8(8): e71575.

- doi:10.1371/journal.pone.0071575. PMC3739724.
37. Gottlieb, D.H., Capitanio, J.P. Latent variables affecting behavioral response to the human intruder test in infant rhesus monkeys (*Macaca mulatta*). American Journal of Primatology, 2013, 75, 314-323. PMC3581725.
  38. Jiang, J., Kanthaswamy, S., Capitanio, J.P. Degree of Chinese ancestry affects behavioral characteristics of infant rhesus monkeys (*Macaca mulatta*). Journal of Medical Primatology, 2013, 42, 20-27. PMC3632404.
  39. Vandeleest, J.J., Capitanio, J.P. Birth timing and behavioral responsiveness predict individual differences in the mother-infant relationship and infant behavior during weaning and maternal breeding. American Journal of Primatology, 2012, 74, 734-746. PMC3896920.
  40. Karere, G.M., Sullivan, E., Kinnally, E.L., Capitanio, J.P., Lyons, L.A. Enhancing genotyping of MAOA and 5-HTT in rhesus macaques (*Macaca mulatta*). Journal of Medical Primatology, 2012, 41, 407-411. PMC3492537.
  41. Hawkey, L.C., Cole, S.W., Capitanio, J.P., Norman, G.J., Cacoppo, J.T. Effects of social isolation on glucocorticoid regulation in social mammals. Hormones and Behavior, 2012, 62, 314-323. PMC3449017.
  42. Capitanio, J.P., Del Rosso, L.A., Calonder, L.A., Blozis, S.A., Penedo, M.C.T. Behavioral effects of prenatal ketamine exposure in rhesus macaques are dependent on MAOA genotype. Experimental and Clinical Psychopharmacology, 2012, 20, 173-180. PMC3481859.
  43. Mason, W.A., Capitanio, J.P. Basic emotions: A reconstruction. Emotion Review, 2012, 4, 238-244. PMC4840933.
  44. Mason, W.A., Capitanio, J.P. Basic emotions: A rejoinder. Emotion Review, 2012, 4, 251-252. PMC4835176.
  45. Weinstein, T.A.R., Capitanio, J.P. Longitudinal stability of friendships in rhesus monkeys: Individual- and relationship-level effects. Journal of Comparative Psychology, 2012, 126, 97-108. PMC3592481.
  46. Capitanio, J.P. Social processes and disease in nonhuman primates: Introduction to the special issue. American Journal of Primatology, 2012, 74, 491-496. PMC4732520.
  47. Capitanio, J.P. Nonhuman primate personality and immunity: Mechanisms of health and disease. Pp. 233-255 in: A. Weiss, J.E. King, & L. Murray (Eds.), *Personality and Temperament in Nonhuman Primates*. NY: Springer, 2011. PMC exempt.
  48. McCowan, B., Beisner, B.A., Capitanio, J.P., Jackson, M.E., Cameron, A.N., Seil, S., Atwill, E.R., Fushing, H. Network stability is a balancing act of personality, power, and conflict dynamics in rhesus macaque societies. PLoS One, 2011, 6(8): e22350. doi:10.1371/journal.pone.0022350. PMC3153932.
  49. Sullivan, E.C., Mendoza, S.P., Capitanio, J.P. Similarity in temperament between mother and offspring rhesus monkeys: Sex differences and the role of monoamine oxidase-A and

- serotonin transporter promoter polymorphism genotypes. Developmental Psychobiology, 2011, 53, 549-563. PMC3162344.
50. Capitanio, J.P. Health and social relationships in nonhuman primates: Toward a comparative health psychology. Pp. 860-883 in H.S. Friedman (Ed.), Oxford Handbook of Health Psychology. NY: Oxford University Press, 2011. PMC exempt.
  51. Rommeck, I., Capitanio, J.P., Strand, S.C., McCowan, B. Early social experience affects behavioral and physiological responsiveness to stressful conditions in infant rhesus macaques (*Macaca mulatta*). Am. J. Primatol., 2011, 73, 692-701. PMC3100413.
  52. Vandeleest, J.J., McCowan, B., Capitanio, J.P. Early rearing interacts with temperament and housing to influence the risk for motor stereotypy in rhesus monkeys (*Macaca mulatta*). Applied Animal Behaviour Science, 2011, 132, 81-89. PMC3084485.
  53. Capitanio, J.P., Miller, L.A., Schelegle, E.S., Mendoza, S.P., Mason, W.A., Hyde, D.M. Behavioral inhibition is associated with airway hyper-responsiveness but not atopy in a monkey model of asthma. Psychosom. Med., 2011, 73, 288-294. PMC3090450.
  54. Sullivan, E., Hinde, K., Mendoza, S.P., Capitanio, J.P. Cortisol concentrations in the milk of rhesus monkey mothers are associated with confident temperament in sons, but not daughters. Developmental Psychobiology, 2011, 53, 96-104. PMC3188439.
  55. Capitanio, J.P. Individual differences in emotionality: Social temperament and health. American Journal of Primatology, 2011, 73, 507-515. PMC5096840.
  56. Capitanio, J.P., Mendoza, S.P., Cole, S.W. Nervous temperament in infant monkeys is associated with reduced sensitivity of leukocytes to cortisol's influence on trafficking. Brain, Behavior, and Immunity, 2011, 25, 151-159. PMC2991489
  57. Kinnally, E.L., Capitanio, J.P., Leibel, R., Deng, L., LeDuc, C., Haghghi, F., Mann, J.J. Epigenetic regulation of serotonin transporter expression and behavior in infant rhesus macaques. Genes, Brain, and Behavior, 2010, 9, 575-582. PMC2921011
  58. Maninger, N., Capitanio, J.P., Mason, W.A., Ruys, J.D., Mendoza, S.P. Acute and chronic stress increase DHEAS concentrations in rhesus monkeys. Psychoneuroendocrinology, 2010, 35, 1055-1062. PMC2894999
  59. Capitanio, J.P., Jiang, J. Psychosocial influences on immunity. Pp. 132-137 in G.F. Koob, M. LeMoal, and R.F. Thompson (eds). Encyclopedia of Behavioral Neuroscience, Volume 3. Oxford: Academic Press, 2010. PMC exempt.
  60. Hinde, K., Capitanio, J.P. Lactational programming? Mother's milk energy predicts infant behavior and temperament in rhesus macaques. American Journal of Primatology, 2010, 71, 1-8. PMC3377500.
  61. Kinnally, E.L., Tarara, E.R., Mason, W.A., Mendoza, S.P., Abel, K., Lyons, L.A., Capitanio, J.P. Serotonin transporter expression is predicted by early life stress and is associated with disinhibited behavior in infant rhesus macaques. Genes, Brain, and Behavior, 2010, 9, 45-52. PMC2823956.
  62. Kinnally, E.L., Karere, G.M., Lyons, L.A., Mendoza, S.P., Mason, W.A., Capitanio, J.P.

- Serotonin pathway gene-gene and gene-environment interactions influence behavioral stress response in infant rhesus macaques. Development and Psychopathology, 2010, 22, 35-44. PMC3170845.
63. Kanthaswamy, S., Capitanio, J.P., Dubay, C.J., Ferguson, B., Folks, T., Ha, J.C., Hotchkiss, C.E., Johnson, Z.P., Katze, M.G., Kean, L.S., Kubisch, H.M., Lank, S., Lyons, L.A., Miller, G.M., Nylander, J., O'Connor, D.H., Palermo, R.E., Smith, D.G., Vallender, E.J., Wiseman, R.W., Rogers, J. Resources for genetic management and genomics research on non-human primates at the National Primate Research Centers (NPRCs). Journal of Medical Primatology, 2009, 38(Suppl. 1), 17-23.
  64. Cole, S.W., Mendoza, S.P., Capitanio, J.P. Social stress desensitizes lymphocytes to regulation by endogenous glucocorticoids: Insights from *in vivo* cell trafficking dynamics in rhesus macaques. Psychosomatic Medicine, 2009, 71, 591-597. PMC3008298.
  65. Ferguson, B., Capitanio, J., Folks, T., Hotchkiss, C., Johnson, Z., Kean, L., Kubisch, H.M., Lank, S., Lyons, L., Miller, G.M., Nylander, J., O'Connor, D., Vallender, E.J., Wiseman, R. Resource Brief: The national non-human primate DNA bank. Methods, 2009, 49, 3-4. PMC3172814.
  66. Capitanio, J.P., Mendoza, S.P., Mason, W.A., Lerche, N.W., Sloan, E.K., Cole, S.W. Stress, coping, and AIDS: Insights from a monkey model. Pp. 1-18 in PP Singh, RM Donahoe (Eds), Proceedings of the International Conference on Biotechnological Approaches to Neuroimmunomodulation and Infectious Diseases. SAS Nagar: NIPER, 2009. PMC exempt.
  67. Karere, G.M., Kinnally, E.L., Sanchez, J.N., Famula, T.R., Lyons, L.A., Capitanio, J.P. What is an "adverse" environment? Interactions of rearing experiences and MAOA genotype in rhesus monkeys. Biological Psychiatry, 2009, 65, 770-777. PMC2688474.
  68. Golub, M.S., Hogrefe, C.E., Widaman, K.F., Capitanio, J.P. Iron deficiency anemia and affective response in rhesus monkey infants. Developmental Psychobiology, 2009, 51, 47-59. PMC3443197.
  69. Weinstein, T.A.R., Capitanio, J.P., Gosling, S.D. Personality in animals. Pp. 328-348 in O.P. John, R.W. Robins, and L.A. Pervin (Eds.), Handbook of Personality: Theory and Research, 3<sup>rd</sup> Edition. New York: Guilford Press, 2008. PMC exempt.
  70. Weinstein, T.A.R., Capitanio, J.P. Individual differences in infant temperament predict social relationships of yearling rhesus monkeys (*Macaca mulatta*). Animal Behaviour, 2008, 76, 455-465. PMC3592560.
  71. Capitanio, J.P. Personality and disease. Brain, Behavior, and Immunity, 2008, 22, 647-650. PMC2493466.
  72. Sloan, E.K., Capitanio, J.P., Tarara, R.P., Cole, S.W. Social temperament and lymph node innervation. Brain, Behavior, and Immunity, 2008, 22, 717-726. PMC2519873.
  73. Capitanio, J.P., Abel, K., Mendoza, S.P., Blozis, S.A., McChesney, M.B., Cole, S.W., Mason, W.A. Personality and serotonin transporter genotype interact with social context to affect immunity and viral set-point in simian immunodeficiency virus disease. Brain, Behavior, and Immunity, 2008, 22, 676-689. PMC2493468.

74. Sloan, E.K., Nguyen, C.T., Cox, B.F., Tarara, R.P., Capitanio, J.P., Cole, S.W. SIV infection decreases sympathetic innervation of primate lymph nodes: The role of neurotrophins. Brain, Behavior, and Immunity, 2008, 22, 185-194. PMC2254209.
75. Kinnally, E.L., Whiteman, H.J., Mason, W.A., Mendoza, S.P., Capitanio, J.P. Dimensions of response to novelty are associated with social engagement and aggression in adult male rhesus macaques. Journal of Comparative Psychology, 2008, 122, 195-203.
76. Kinnally, E.L., Lyons, L.A., Abel, K., Mendoza, S.P., Capitanio, J.P. Effects of early experience and genotype on serotonin transporter regulation in infant rhesus macaques. Gene, Brains, and Behavior, 2008, 7, 481-486.
77. Machado, C.J., Emery, N.J., Capitanio, J.P., Mason, W.A., Mendoza, S.P., Amaral, D.G. Bilateral neurotoxic amygdala lesions in rhesus monkeys (*Macaca mulatta*): Consistent pattern of behavior across different social contexts. Behavioral Neuroscience, 2008, 122, 251-266. PMC2894976.
78. Capitanio, J.P., Emborg, M.E. Contributions of nonhuman primates to neuroscience research. The Lancet, 2008, 371, 1126-1135.
79. Sloan, E.K., Capitanio, J.P., Cole, S.W. Invited minireview: Stress-induced remodeling of lymphoid innervation. Brain, Behavior, and Immunity, 2008, 22, 15-21. PMC2754291
80. Sloan, E.K., Capitanio, J.P., Tarara, R.P., Mendoza, S.P., Mason, W.A., Cole, S.W. Social stress enhances sympathetic innervation of primate lymph nodes: Mechanisms and implications for viral pathogenesis. Journal of Neuroscience, 2007, 27, 8857-8865.
81. Capitanio, J.P., Kyes, R.C., Fairbanks, L.A. Considerations in the selection and conditioning of Old World Monkeys for laboratory research: Animals from domestic sources. ILAR Journal, 2006, 47, 294-306.
82. Mason, W.A., Capitanio, J.P., Machado, C.J., Mendoza, S.P., Amaral, D.G. Amygdectomy and responsiveness to novelty in rhesus monkeys: Generality and individual consistency of effects. Emotion, 2006, 6, 73-81.
83. Sloan, E.K., Tarara, R.P., Capitanio, J.P., Cole, S.W. Enhanced SIV replication adjacent to catecholaminergic varicosities in primate lymph nodes. Journal of Virology, 2006, 80, 4326-4335. PMC1472008.
84. Goursaud, A-P.S., Mendoza, S.P., Capitanio, J.P. Do neonatal bilateral ibotenic acid lesions of the hippocampal formation or of the amygdala impair HPA axis responsiveness and regulation in infant rhesus macaques (*Macaca mulatta*)? Brain Research, 2006, 1071, 97-104.
85. Golub, M.S., Hogrefe, C.E., Germann, S.L., Capitanio, J.P., Lozoff, B. Behavioral consequences of developmental iron deficiency in infant rhesus monkeys. Neurotoxicology and Teratology, 2006, 28, 3-17. PMC1540448.
86. Capitanio, J.P. Hematology and serum chemistry reference values for rhesus macaque (*Macaca mulatta*) infants. Pp. 577-581 in G.P. Sackett, G. Ruppenthal, K. Elias (Eds.), Nursery Rearing of Nonhuman Primates in the 21<sup>st</sup> Century. New York: Springer, 2006.



87. Capitanio, J.P., Mason, W.A., Mendoza, S.P., Del Rosso, L.A., Roberts, J.A. Nursery rearing and biobehavioral organization. Pp. 191-213 in G.P. Sackett, G. Ruppenthal, K. Elias (Eds.), Nursery Rearing of Nonhuman Primates in the 21<sup>st</sup> Century. New York: Springer, 2006.
88. Weinstein, T.A.R. & Capitanio, J.P. A nonhuman primate perspective on affiliation. Behavioral and Brain Sciences, 2005, 28, 366-367.
89. Capitanio, J.P., Mendoza, S.P., Mason, W.A., Maninger, N. Rearing environment and hypothalamic-pituitary-adrenal regulation in young rhesus monkeys (*Macaca mulatta*). Developmental Psychobiology, 2005, 46, 318-330.
90. Capitanio, J.P. & Widaman, K.F. A confirmatory factor analysis of personality structure in adult male rhesus monkeys (*Macaca mulatta*). American Journal of Primatology, 2005, 65, 289-294.
91. Herek, G.M., Widaman, K.F., Capitanio, J.P. When sex equals AIDS: Symbolic stigma and heterosexual adults' inaccurate beliefs about sexual transmission of AIDS. Social Problems, 2005, 52, 15-37.
92. Capitanio, J.P. Personality factors between and within species. Pp. 13-33 in B. Thierry, M. Singh, W. Kaumanns (Eds.), Macaque societies: A model for the study of social organizations. Cambridge: Cambridge University Press, 2004.
93. Bauman, M.D., Lavenex, P., Mason, W.A., Capitanio, J.P., Amaral, D.G. The development of social behavior following neonatal amygdala lesions in macaque monkeys. Journal of Cognitive Neuroscience, 2004, 16:8, 1388-1411.
94. Capitanio, J.P., Mendoza, S.P., Bentson, K. Personality characteristics and basal cortisol concentrations in adult male rhesus macaques (*Macaca mulatta*). Psychoneuroendocrinology, 2004, 29, 1300-1308.
95. Ruys, J.D., Mendoza, S.P., Capitanio, J.P., Mason, W.A. Behavioral and physiological adaptation to repeated chair restraint in rhesus macaques. Physiology and Behavior, 2004, 82, 205-213.
96. Bauman, M.D., Lavenex, P., Mason, W.A., Capitanio, J.P., Amaral, D.G. The development of mother-infant interactions after neonatal amygdala lesions in rhesus monkeys. Journal of Neuroscience, 2004, 24, 711-721.
97. Maninger, N., Capitanio, J.P., Mendoza, S.P., Mason, W.A. Personality influences tetanus-specific antibody response in adult male rhesus macaques after removal from natal group and housing relocation. American Journal of Primatology, 2003, 61, 73-83.
98. Herek, G.M., Capitanio, J.P., Widaman, K.F. Stigma, social risk, and health policy: Public attitudes toward HIV surveillance policies and the social construction of illness. Health Psychology, 2003, 22(5), 533-540.
99. Bentson, K.L., Capitanio, J.P., Mendoza, S.P. Cortisol responses to immobilization with Telazol or ketamine in baboons (*Papio cynocephalus/anubis*) and rhesus macaques (*Macaca mulatta*). Journal of Medical Primatology, 2003, 32, 148-160.

100. Huff, J.E., Eberle, R., Capitanio, J.P., Zhou, S.S., Barry, P.A. Differential detection of B virus and rhesus cytomegalovirus in rhesus macaques. Journal of General Virology, 2003, 84, 83-92.
101. Amaral, D.G., Bauman, M.D., Capitanio, J.P., Lavenex, P., Mason, W.A., Mauldin-Jourdain, M.L., Mendoza, S.P. The amygdala: Is it an essential component of the neural network for social cognition? Neuropsychologia. 2003, 41(4), 517-22. Corrected and republished from Neuropsychologia. 2003, 41(2), 235-40.
102. Capitanio, J.P. Sociability and responses to video playbacks in adult male rhesus monkeys (Macaca mulatta). Primates, 2002: 43, 169-178.
103. Herek, G.M., Capitanio, J.P., Widaman, K.F. HIV-related stigma and knowledge in the United States: Prevalence and trends, 1991-1999. American Journal of Public Health, 2002, 92, 371-377. PMC1447082.
104. Prather, M., Lavenex, P., Mauldin, M., Mason, W., Capitanio, J., Mendoza, S., Amaral, D. Increased social fear and decreased fear of objects in monkeys with neonatal amygdala lesions. Neuroscience, 2001, 106, 653-658.
105. Emery, N.J., Capitanio, J.P., Mason, W.A., Machado, C.P., Mendoza, S.P., Amaral, D.G. The effects of bilateral lesions of the amygdala on dyadic social interactions in rhesus monkeys (Macaca mulatta). Behavioral Neuroscience, 2001, 115, 515-544.
106. Capitanio, J.P. The effects of stress on research results. Pp. 104-109 in IACUCS: The ethics, the politics, and the reality. Boston: Public Responsibility in Medicine & Research, 2001.
107. Mendoza, S. P., Capitanio, J.P., Mason, W.A. Chronic social stress: Studies in nonhuman primates. Pp. 227-247 in G.P. Moberg and J. Mench (Eds.), The Biology of Animal Stress. New York, NY: CABI Publishing, 2000.
108. Capitanio, J.P., Mason, W.A. Cognitive style: Problem-solving by rhesus macaques (Macaca mulatta) reared with living or inanimate substitute mothers. Journal of Comparative Psychology, 2000, 114, 115-125.
109. Herek, G.M., Capitanio, J.P. Sex differences in how heterosexuals think about lesbians and gay men: Evidence from survey context effects. Journal of Sex Research, 1999, 36, 348-360.
110. Capitanio, J.P., Mendoza, S.P., Baroncelli, S. The relationship of personality dimensions in adult male rhesus macaques to progression of simian immunodeficiency virus disease. Brain, Behavior, and Immunity, 1999, 13, 138-154.
111. Capitanio, J.P., Herek, G.M. AIDS-related stigma and attitudes toward injecting drug users among Black and White Americans. American Behavioral Scientist, 1999, 42, 1148-1161.
112. Herek, G.M., Capitanio, J.P. AIDS stigma and sexual prejudice. American Behavioral Scientist, 1999, 42, 1130-1147.
113. Capitanio, J.P. Personality dimensions in adult male rhesus macaques: Prediction of behaviors across time and situation. American Journal of Primatology, 1999, 47, 299-320.

114. Herek, G.M., Gillis, J.R., Glunt, E.K., Lewis, J., Welton, D., Capitanio, J.P. Culturally sensitive AIDS educational videos for African American audiences: Effects of source, message, receiver, and context. American Journal of Community Psychology, 1998, 26, 705-743.
115. Capitanio, J.P. Social experience and immune system measures in laboratory-housed macaques: Implications for management and research. Invited contribution for special issue on Animal Welfare. Institute for Laboratory Animal Research (ILAR) Journal, 1998, 39, 12-20.
116. Capitanio, J.P., Lerche, N.W. Social separation, housing relocation, and survival in simian AIDS: A retrospective analysis. Psychosomatic Medicine, 1998, 60, 235-244.
117. Capitanio, J.P., Mendoza, S.P., Lerche, N.W., Mason, W.A. Social stress results in altered glucocorticoid regulation and shorter survival in simian acquired immune deficiency syndrome. Proceedings of the National Academy of Sciences, 1998, 95, 4714-4719. PMC22556.
118. Capitanio, J.P. Exploring in the stream of behavior. Review of R. Bakeman and J.M. Gottman, Observing Interaction: An Introduction to Sequential Analysis. American Journal of Primatology, 1998, 44, 177-179.
119. Capitanio, J.P., Mendoza, S.P., Lerche, N.W. Individual differences in peripheral blood immunological and hormonal measures in adult male rhesus macaques (Macaca mulatta): Evidence for temporal and situational consistency. American Journal of Primatology, 1998, 44, 29-41.
120. Herek, G.M., Capitanio, J.P. Symbolic prejudice or fear of infection? A functional analysis of AIDS-related stigma among heterosexual adults. Basic and Applied Social Psychology, 1998, 20, 230-241.
121. Capitanio, J.P. Review of L. Houck and L.C. Drickamer (Eds.) Foundations of Animal Behavior. International Journal of Primatology, 1997, 18, 837-839.
122. Vallegia, C., Mendoza, S.P., Capitanio, J.P. A non-radioactive assay for determination of mitogen-induced proliferation of peripheral blood lymphocytes in rhesus monkeys (Macaca mulatta). Boletin Primatologico Latinoamericano, 1997, 6, 9-13.
123. Baroncelli, S., Barry, P., Capitanio, J.P., Lerche, N.W., Otsyula, M., Mendoza, S.P. Cytomegalovirus and simian immunodeficiency virus coinfection: Longitudinal study of antibody responses and disease progression. Journal of Acquired Immune Deficiency Syndromes and Human Retroviruses, 1997, 15, 5-15.
124. Herek, G.M., Capitanio, J.P. AIDS stigma and contact with persons with AIDS: The effects of direct and vicarious contact. Journal of Applied Social Psychology, 1997, 27, 1-36.
125. Capitanio, J.P., Mendoza, S.P., McChesney, M. Influences of blood sampling procedures on basal hypothalamic-pituitary-adrenal hormone levels and leukocyte values in rhesus macaques (Macaca mulatta). Journal of Medical Primatology, 1996, 25, 26-33.
126. Herek, G.M., Capitanio, J.P. "Some of my best friends": Intergroup contact, concealable stigma, and heterosexuals' attitudes toward gay men and lesbians. Personality and Social

- Psychology Bulletin, 1996, 22, 412-424.
127. Herek, G.M., Capitanio, J.P. Black heterosexuals' attitudes toward lesbians and gay men. Journal of Sex Research, 1995, 32, 95-105.
  128. Herek, G.M., Capitanio, J.P. Conspiracies, contagion and compassion: Trust and public reactions to AIDS. AIDS Education and Prevention, 1994, 6, 367-377.
  129. Capitanio, J.P., King, J.E. ERROR: A BASIC program for response sequence analysis of two-choice learning data. Behavior Research Methods, Instruments, and Computers, 1993, 25, 419-420.
  130. Capitanio, J.P. More on the relation of inheritance to dominance. Animal Behaviour, 1993, 46, 600-602.
  131. Herek, G.M., Capitanio, J.P. Public reactions to AIDS in the United States: A second decade of stigma. American Journal of Public Health, 1993, 83, 574-577. PMC1694493.
  132. Capitanio, J.P. What do attachment objects afford? Behavioral and Brain Sciences, 1992, 15, 512-513.
  133. Capitanio, J.P., Taub, D.M. High-level care of a twin infant by a male rhesus macaque. Folia Primatologica, 1992, 58, 103-106.
  134. Capitanio, J.P., Lerche, N.W. Psychosocial factors and disease progression in simian AIDS: A preliminary report. AIDS, 1991, 5, 1103-1106.
  135. Capitanio, J.P. Levels of integration and the 'inheritance of dominance'. Animal Behaviour, 1991, 42, 495-496.
  136. Mason, W.A., Capitanio, J.P. Formation and expression of filial attachment in rhesus monkeys raised with living and inanimate mother substitutes. Developmental Psychobiology, 1988, 21, 401-430.
  137. Capitanio, J.P. Influences of early history and current circumstances on social attention and knowledge in macaques. Primate Report, 1987, 18, 11-16.
  138. Reite, M., Capitanio, J.P. Child abuse: Comparative and psychobiological perspectives. Pp. 149-172 in R.J. Gelles, J.B. Lancaster, (Eds.), Child Abuse and Neglect: Biosocial Dimensions. Chicago: Aldine, 1987.
  139. Capitanio, J.P., Rasmussen, K.L.R., Snyder, D.S., Laudenslager, M., Reite, M. Long-term follow-up of previously separated pigtail macaques: Group and individual differences in response to novel situations. Journal of Child Psychology and Psychiatry, 1986, 27, 531-538.
  140. Capitanio, J.P. Behavioral pathology. Pp. 411-454 in G. Mitchell, J. Erwin (Eds.), Comparative Primate Biology: Volume 2A. Behavior, Conservation, and Ecology. New York: Alan R. Liss, 1986.
  141. Capitanio, J.P. Early experience and social processes in rhesus macaques (Macaca mulatta): II. Complex social interaction. Journal of Comparative Psychology, 1985, 99, 133-144.

142. Capitanio, J.P., Weissberg, M., Reite, M. Biological bases of maternal behavior: Recent findings and implications. Pp. 51-92 in M. Reite, T. Field (Eds.), The Psychobiology of Attachment and Separation. New York: Academic Press, 1985.
143. Reite, M., Capitanio, J.P. On the nature of social separation and attachment. Pp. 223-255 in M. Reite, T. Field (Eds.), The Psychobiology of Attachment and Separation. New York: Academic Press, 1985.
144. Capitanio, J.P. On comparative psychology and sociobiology. Review of S. Greenberg and E. Tobach (Eds.), Behavioral Evolution and Integrative Levels. Contemporary Psychology, 1985, 30, 777-779.
145. Laudenslager, M., Capitanio, J.P., Reite, M. Possible effects of early separation experiences on subsequent immune function in adult macaque monkeys. American Journal of Psychiatry, 1985, 142, 862-864.
146. Capitanio, J.P., Boccia, M.A., Colaianna, D.J. The influence of rank on affect perception by pigtail macaques. American Journal of Primatology, 1985, 8, 53-59.
147. Cheney-Thamm, J., Reite, M., Alianiello, E., Yamamoto, B.K., Capitanio, J.P., Freed, C.R. Caudate electrochemical response following amphetamine administration in pigtail monkeys. Life Sciences, 1984, 35, 1453-1460.
148. Capitanio, J.P., Reite, M. The roles of early separation experience and prior familiarity in the social relations of pigtail macaques: A descriptive multivariate study. Primates, 1984, 25, 475-484.
149. Capitanio, J.P. Early experience and social processes in rhesus macaques (Macaca mulatta): I. Dyadic social interaction. Journal of Comparative Psychology, 1984, 98, 35-44.
150. Capitanio, J.P. Variability and complexity in primate behavior. Review of J.L. Fobes and J.E. King (Eds.), Primate Behavior. American Journal of Primatology, 1983, 4, 201-205.
151. Capitanio, J.P., Leger, D.W. Evolutionary scales lack utility: A reply to Yarczower and Hazlett. Psychological Bulletin, 1979, 86, 876-879.

### **Other Publications**

152. Capitanio, J.P. Animal studies in psychology. Psychology Student Network Newsletter, American Psychological Association, January, 2017.  
<http://www.apa.org/ed/precollege/psn/2017/01/animal-studies.aspx>.
153. Minier, D., Capitanio, J.P., Gottlieb, D., McCowan, B. One size may not fit all: The importance of taking an individual differences approach to behavior management. Enrichment Record, 2012, 13, 21-23. October 2012: <http://enrichmentrecord.com/>.
154. Capitanio, J.P. Careers in Primatology: Psychology. 2001.  
<http://www.primate.wisc.edu/pin/careers/capitanio.html>
155. Capitanio, J.P. A message from the President. ASP Bulletin, 24(3), 24(4), 25(1), 25(2), 25(3), 24(4), 25(1), 25(2), 25(3), 25(4), 26(1), p. 1. 2000-2002.

156. Capitanio, J.P., Bloomsmith, M., Crockett, C., Novak, M.A., Rasmussen, K. Response by the American Society of Primatologists to the USDA's 'Draft Policy on Environment Enhancement for Nonhuman Primates'. [https://www.asp.org/society/resolutions/Usda\\_response.cfm](https://www.asp.org/society/resolutions/Usda_response.cfm), 14 pp., 1999.
157. Capitanio, J.P. Research questions and answers. <http://www.asp.org/research/q&a.html>, 1998.
158. Herek, G.M., Castaneda, D., Capitanio, J.P., Bat-Chava, Y. Technical Report: Video Aids: A catalogue for users of AIDS educational videos. 172 pp., 1992.
159. Capitanio, J.P. Technical Report: Comments and recommendations on the California sea otter pup rescue and care program of the Monterey Bay Aquarium. Unpublished, 1991.
160. Capitanio, J.P. Putting CP back into psychology: A job applicant's view. Comparative Psychology Newsletter, 1984, 4, 26-27.

#### **Abstracts, Papers, Symposia, Colloquia**

161. Parker, K.J., Garner, J.P., Oztan, O., Tarara, E.R., Li, J., Sclafani, V., Del Rosso, L.A., Chun, K., Berquist, S.W., Chez, M.G., Partap, S., Hardan, A.Y., Sherr, E.H., Capitanio, J.P. Biomarker Discovery for Social Impairments: Translation from a Novel Monkey Model to Patients with Autism. Poster proposed for annual meeting of American College of Neuropharmacology, Dec 2017.
162. Capitanio, J.P. Sociality and neuroimmune processes: Insights from rhesus monkey models of loneliness and depressive behavior. Invited symposium presentation at annual meeting of the International Society for Psychoneuroendocrinology, Zurich, Switzerland, Sept 2017.
163. Baxter, A., Wood, E. K., Capitanio, J. P., & Higley, J. D. Sexual dimorphism in 2D:4D digit ratio is linked to anxiety in indoor- and outdoor-housed rhesus macaques (*Macaca mulatta*). Poster proposed for 40<sup>th</sup> annual meeting of the American Society of Primatologists, Washington DC, Aug 2017.
164. Kobor, P., Capitanio, J.P. Science advocacy: How the government works, and what you can do to influence it. Roundtable at 40<sup>th</sup> annual meeting of the American Society of Primatologists, Washington DC, Aug 2017.
165. Linden, J.B., McCowan, B.J., Capitanio, J.P., Isbell, L.A. Early-life measures of temperament predict hair cortisol and rank attainment following new group formation in captive rhesus macaques (*Macaca mulatta*). Paper proposed for 40<sup>th</sup> annual meeting of the American Society of Primatologists, Washington DC, Aug 2017.
166. Witczak, L.R., Capitanio, J.P., Ferrer, E., Bales, K.L. Effects of early life experiences on aggression, affiliation, oxytocin, and arginine-vasopressin in captive *Callicebus cupreus*. Paper proposed for 40<sup>th</sup> annual meeting of the American Society of Primatologists, Washington DC, Aug 2017.
167. Capitanio, J.P. The BioBehavioral Assessment Program at CNPRC: What it is, and how you might use it. Neuroscience and Behavior Summer Speaker Series, CNPRC, 27 July 2017.
168. Capitanio, J.P. Assessing biobehavioral organization in the rhesus monkey. Invited paper at

- meeting on Origins and benefits of biologically active components in human milk, Lisbon, Portugal, July, 2017.
169. Oztan, O., Garner, J.P., Sclafani, V., Capitanio, J.P., Parker, K.J. Cerebrospinal Fluid Arginine Vasopressin Is a Predictive Biomarker of Social Impairments in Male Rhesus Monkeys. Poster proposed for annual meeting of the International Society for Autism Research, San Francisco, CA, May 2017.
  170. Capitanio, J.P. Controversial topic: Animals in research. Invited paper at annual Terman Teaching Conference, Sacramento, CA, April, 2017.
  171. Capitanio, J.P. Individual variation in biobehavioral organization. Primate Behavioral Management Conference, Bastrop, TX, Feb 2017.
  172. Herrington, J., Del Rosso, L., Capitanio, J. Behavioral effects of prenatal and postnatal ketamine exposure in rhesus macaque infants are dependent on MAOA genotype. Poster presented at annual meeting of International Society for Developmental Psychobiology, San Diego, CA, Nov 2016.
  173. Kinnally, E.L., Martinez, S.J., Capitanio, J.P. Paternal Line Transgenerational Effects of Early Experiences in Rhesus Macaques. Poster proposed for annual meeting of Society for Neuroscience, San Diego, CA, Nov 2016.
  174. Bauman, M., Platt, M., Machado, C.J., Capitanio, J.P. Intranasal Oxytocin Delivery in Juvenile Nonhuman Primates. Poster proposed for annual meeting of Society for Neuroscience, San Diego, CA, Nov 2016.
  175. Capitanio, J.P. Individual differences in adaptation to stress in rhesus macaques. Invited presentation at NC3Rs Primate Welfare Meeting: Cumulative severity and lifetime experience of NHPs in research, London, England, October 2016.
  176. Capitanio, J.P. Causes and consequences of individual differences in biobehavioral organization of rhesus monkeys: Implications for science and management. Webinar presentation for New Jersey Association of Biomedical Research webinar, October, 2016.
  177. Kinnally, E.L., Gonzales, M.N., Capitanio, J.P. Paternal line transgenerational effects of early experiences in rhesus macaques. Paper proposed for 39<sup>th</sup> meeting of the American Society of Primatologists/International Primatological Society meeting, Chicago, IL, Aug 2016.
  178. Weinstein, T.A.R., Bales, K.L., Capitanio, J.P. Juvenile rhesus monkey friendships: individual differences and neuroendocrine consequences. Invited presentation in symposium "Juvenile social behavior," organized by J. Madrid for 39<sup>th</sup> meeting of the American Society of Primatologists/International Primatological Society meeting, Chicago, IL, Aug 2016.
  179. Capitanio, J.P. & Cole, S.W. Primate models for studies of human social constructs and psychological processes. Invited presentation in symposium "Developing informed primate models of human aging," organized by M. Gerald for 39<sup>th</sup> meeting of the American Society of Primatologists/International Primatological Society meeting, Chicago, IL, Aug 2016.
  180. Chun, K., Lamkin, D.M., Capitanio, J.P., Cole, S.W. Social regulation of lymph node

- transcriptome dynamics in rhesus monkeys (*Macaca mulatta*). Poster presented at 23<sup>rd</sup> annual meeting of Psychoneuroimmunology Research Society, Brighton, England, June, 2016.
181. Royer, C., Chun, K., Schelegle, E.S., Miller, L., Capitanio, J.P. Indices of pulmonary function in a nonhuman primate model of nonatopic asthma: Contribution of lung growth to airway hyperresponsiveness. Poster presented at annual meeting of American Thoracic Society, San Francisco, CA, May, 2016.
  182. Capitanio, J.P. Sex differences in the role of temperament and physical factors in pairing compatibility. Invited paper for 2016 Symposium on Social Housing of Laboratory Animals, Davis, CA, March, 2016.
  183. Capitanio, J.P. Individual variation in biobehavioral organization. Primate Behavioral Management Conference, Bastrop, TX, March 2016.
  184. Golub, M.S., Phi, C.E., Turck, C.W., Capitanio, J.P. Fluoxetine (Prozac®) effects in a rhesus monkey model of childhood therapeutic exposure. Abstract submitted for 49<sup>th</sup> Annual Gatlinburg Conference, San Diego, CA, Mar 2016.
  185. Capitanio, J.P. When self-report just won't work: Loneliness in rhesus monkeys. Invited presentation in symposium "Studying social behavior and misbehavior: New methods for naturalistic observation," organized by R.E. Wilson & S. Vazire for 17<sup>th</sup> annual meeting of the Society for Personality and Social Psychology, San Diego, CA, Jan 2016.
  186. Capitanio, J.P. Sex differences in sensitivity to context in rhesus monkey infants: Are there implications for models of psychological disorders? Invited presentation at Behavior and Neurogenetics of Nonhuman Primates meeting, Cold Spring Harbor, Nov 2015.
  187. Vandeleest, J.J., Beisner, B.A., Hannibal, D.L., Capitanio, J.P., Mccowan, B. Rank and dominance uncertainty influence pro-inflammatory cytokine and viral antibody levels in rhesus macaques (*Macaca mulatta*). Paper presented at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 47-48.
  188. Chun, K., Bliss-Moreau, E., Aston, S.A., Barrington, R., Shackett, J., Higley, J.D., Capitanio, J.P. Behavioral inhibition characterized in infancy predicts sociability in adult rhesus monkeys (*Macaca mulatta*). Poster presented at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 62-63.
  189. Sclafani, V., Del Rosso, L., Calonder, L., Sherr, E.H., Capitanio, J.P., Parker, K.J. Early predictors of sociability in rhesus macaques (*Macaca mulatta*). Poster presented at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 76-77.
  190. Anderson, S.G., Aston, S.A., Higley, J.D., Capitanio, J.P. Social environment predicts temperament of infant rhesus macaques (*Macaca mulatta*). Poster presented at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 109-110.
  191. Herrington, J.A., Del Rosso, L., Capitanio, J.P. Biobehavioral consequences for infant



- rhesus monkeys (*Macaca mulatta*) of prenatal exposure to a matrilineal overthrow and relocation. Poster presented at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 117-118.
192. Capitanio, J.P. President's forum: Laboratory research with nonhuman primates: conceptual, ethical, and regulatory issues. Organizer of invited workshop at 38<sup>th</sup> meeting of the American Society of Primatologists, Bend, OR, June 2015. American Journal of Primatology, 2015, 77(S1), p. 39-40.
  193. Capitanio, J.P. Individual variation in biobehavioral organization. Primate Behavioral Management Conference, Bastrop, TX, March 2015.
  194. Higley, J.D., Gonzales, C., Capitanio, J.P. Cortisol Patterns of Response to Stress, Dexamethasone, and ACTH Predict Extremes in Temperament that are Related to Future Psychopathology: A Nonhuman Primate Model. 53rd Annual Meeting of the American College of Neuropsychopharmacology, Phoenix, AZ, December 2014.
  195. Oztan O, Garner JP, Chun K, Hyde SA, Sherr EH, Capitanio JP, Parker KJ. Identifying novel biomarkers of naturally occurring social impairments in male rhesus monkeys. Annual meeting of the Society for Neuroscience, Washington, DC, November, 2014.
  196. Hinde, K., Blomquist, G., Capitanio, J.P. Mother's milk and infant temperament: The Darwinian trifecta of variance, heritability, and fitness outcomes in rhesus monkeys. Invited presentation at a conference on New Perspectives in Behavioural Development: Adaptive Shaping of Behaviour over a Lifetime? Center for Interdisciplinary Studies, University of Bielefeld, Bielefeld, Germany, October, 2014.
  197. Glass, K., Bennett, M.T., Humbert, B., Sorenson, A.N., McCowan, B.J., Capitanio, J.P., Higley, JD. 5HTTLPR gene, mother's social dominance, and infant cortisol in rhesus macaques living in large outdoor enclosures. Poster presented at annual meeting of American Society of Primatologists, Atlanta, GA, September, 2014. American Journal of Primatology, 2014, 76(S1), p. 84.
  198. Capitanio, J.P. Lonely monkeys: When social desire and social attainment clash. Invited paper for symposium on Different insights about social processes in primates, Melissa S. Gerald, organizer, at annual meeting of American Society of Primatologists, Atlanta, GA, September, 2014. American Journal of Primatology, 2014, 76(S1), p. 47.
  199. Capitanio, J.P. Mechanisms of the social relationship-health link. Invited symposium presentation at XXV Congress of the International Primatological Society, Hanoi, Viet Nam, August, 2014.
  200. Capitanio, J.P. Perspectives on personality in nonhuman primates. 4<sup>th</sup> Purdue Symposium on Psychological Sciences, West Lafayette, IN, May, 2014.
  201. Capitanio, J.P. Individual differences in sociability and health in rhesus monkeys: From gene expression to the social context. Invited paper for symposium on The Sociality-Health-Fitness Link. IX. Gottinger Freilandtage, Gottingen, Germany, December, 2013.
  202. Chou, E., Hsieh, F. and Capitanio, J. Computed data-geometry based supervised and semi-supervised learning in High Dimensional Data. In: Proceedings of IEEE 12th International Conference on Machine Learning and Applications (ICMLA 2013), Miami,

FL, USA, December 4-7, 2013.

203. Bauman, M.D., Moadab, G., Buser, J., Lopez, A., Capitanio, J.P. Endogenous hyposociability in juvenile macaque monkeys: A novel nonhuman primate model for autism treatment discovery. Poster presented at annual meeting of the Society for Neuroscience, San Diego, CA, November, 2013.
204. Capitanio, J.P., Hinde, K., Chun, K., Kinnally E.L., Gottlieb, D. Assessing variation in infant rhesus monkeys (*Macaca mulatta*): A biobehavioral assessment program at the California National Primate Research Center. Poster presented at annual meeting of the International Society for Developmental Psychobiology, San Diego, CA, November, 2013.
205. Hennessy, M.B., McCowan, B.J., Capitanio, J.P. Depressive-like responding and its relation to infant temperament in adult male rhesus macaques. Poster presented at annual meeting of the International Society for Developmental Psychobiology, San Diego, CA, November, 2013.
206. Chun, K., Miller, L.A., Capitanio, J.P. Behavioral inhibition characterized in infancy predicts social behavior and immune function in adult rhesus monkeys (*Macaca mulatta*). Poster presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 59.
207. Hinde, K. & Capitanio, J.P. Cortisol and energy in mother's milk predict infant temperament: a complex system. Paper presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 65.
208. Jin, J. & Capitanio, J.P. RH5-HTTLPR, RHMAOA-LPR and early temperament predict reproductive success in captive male rhesus macaques (*macaca mulatta*). Poster presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 90.
209. Hannibal, D., Minier, D., Capitanio, J.P., McCowan, B. Effect of temperament on the behavioral conditioning of individual rhesus monkeys (*Macaca mulatta*). Paper presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 66.
210. Steward, A.L., Sorenson, A., Elliot, K., Snarr, J., Capitanio, J.P., Higley, J.D. Variables affecting indoor pairing success in adult rhesus macaques (*macaca mulatta*). Poster presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 48.
211. Capitanio, J.P. Personality in rhesus monkeys: some proximate, ultimate, and practical considerations. Invited Presentation as recipient of Distinguished Primatologist Award. Paper presented at annual meeting of the American Society of Primatologists, San Juan, PR, June, 2013. American Journal of Primatology, 2013, 75(S1), p. 91.
212. Jiang, J., Capitanio, J.P. The effects of a low and escalating dosing regimen of methamphetamine (Meth) on spontaneous behaviors of rhesus macaques (*Macaca mulatta*). Poster accepted at 75<sup>th</sup> annual meeting of College on Problems of Drug Dependence. San Diego, CA, June, 2013.

213. Grishina I., Hirao L., Sankaran-Walters S., Capitanio J.P., Dandekar S. SIV induced modulation of the enteric serotonergic response contributes to chronic immune activation. Paper accepted for Keystone Conference on Immune Activation in HIV Infection: Basic Mechanisms and Clinical Implications. Breckenridge, CO, April, 2013.
214. Hinde K., Capitanio, J.P. Does personality matter? Survival, growth, and reproduction in relation to behavioral phenotype in female rhesus macaques. Paper presented at 82<sup>nd</sup> annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April, 2013.
215. Capitanio, J.P. Personality in rhesus monkeys: Some proximate, ultimate, and practical considerations. Invited presentation at University of California, Davis, Dept. of Anthropology, March, 2013.
216. Capitanio, J.P. Personality in rhesus monkeys: Some proximate, ultimate, and practical considerations. Invited presentation at UCLA Center for Behavior, Evolution, and Culture. Los Angeles, February, 2013.
217. Higley, J.D., Sorenson, A., Mendoza, S.P., Capitanio, J.P. Serotonin transporter genotype modulates HPA axis output during stress: Effect of stress, dexamethasone test and ACTH challenge. Poster presentation at 51<sup>st</sup> annual meeting of American College of Neuropsychopharmacology, Hollywood, FL, December, 2012.
218. Capitanio, J.P. Individual differences in temperament in rhesus monkeys: Implications for behavioral management. Invited paper presented at Fall 2012 meeting of Mid-South AALAS, Memphis, TN, October 2012.
219. Capitanio, J.P. Personality, temperament, or behavioral syndromes: What's the difference, do we care, and how do we assess it? Presentation at St. Jude Children's Research Hospital, Memphis, TN, October, 2012.
220. Capitanio, J.P. Research at the California National Primate Research Center and animal rights activity. Paper presented at the 8<sup>th</sup> annual security symposium, Sacramento InfraGard Members Alliance, Sacramento, CA, September, 2012.
221. Capitanio, J.P. Psychosocial stress and immunodeficiency virus disease in rhesus macaques. Presentation in NIH OppNet workshop: Improving animal models of human behavioral and social processes. Bethesda, MD, July 2012.
222. Capitanio, J.P., Sullivan, E., Hinde, K. Contingent influences on temperament in infant rhesus monkeys (*Macaca mulatta*). Invited presentation in symposium on Multidimensionality in animal individual differences research, Jana Uher and John P. Capitanio, co-organizers. 16<sup>th</sup> European Conference on Personality, Trieste, Italy, July, 2012.
223. Davison, D.R., MacCarron, P, Capitanio, J.P., Vandeleest, J.J. Differences in consortship partner choice in two groups of rhesus macaques (*macaca mulatta*). Paper presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
224. Sorenson, A, Mendoza, S.P., Capitanio, J.P., Higley, J.D. Serotonin transporter genotype modulation of HPA axis output: assessment of the effect of sex and the short allele. Poster presented at annual meeting of the American Society of Primatologists, Sacramento, CA,

June, 2012.

225. Padro, B.S., Weinstein, T.A., Capitanio, J.P. Infant temperament predicts rhesus monkeys' (macaca mulatta) response to routine husbandry procedures 1-10 years later. Poster presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
226. Capitanio, J.P., Del Rosso, L.A., Calonder, L., Blozis, S.A., Penedo, M.C. Prenatal and postnatal effects of ketamine on behavior of infant rhesus monkeys (macaca mulatta): role of housing environment and monoamine oxidase-a (MAOA) genotype. Paper presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
227. Jarcho, M.R., Abel, K., Capitanio, J.P. Effects of social condition on neuroendocrine and immune function in early and late siv infection in rhesus macaques (macaca mulatta). Paper presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
228. Vandeleest, J.J., Blozis, S.A., Mendoza, S.P., Capitanio, J.P. The effects of birth timing and temperature on the hpa axis in 3-4 month old rhesus monkeys (macaca mulatta). Paper presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
229. Capitanio, J.P., Calonder, L., Chun, K., Del Rosso, L.A., Hinde, K., Kinnally, E.L., Mason, W.A., Mendoza, S.P., Sullivan, E., Vandeleest, J., Weinstein, T. Assessing variation in infant rhesus monkeys (macaca mulatta): a biobehavioral assessment program at the california national primate research center. Poster presented at the annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
230. Chun, K., Capitanio, J.P. Behavioral inhibition characterized in infancy predicts social and anxious behavior in one-year-old rhesus macaques (macaca mulatta). Poster presented at annual meeting of the American Society of Primatologists, Sacramento, CA, June, 2012.
231. Chun, K., Miller, L.A., Schelegle, E.S., Hyde, D.M., Capitanio, J.P. The association of behavioral inhibition and the airways response in asthma: Possible mechanisms. Poster presented at annual meeting of PsychoneuroImmunology Research Society, San Diego, CA, June, 2012. Brain, Behavior, and Immunity, 2012, 26(S1), p. S14.
232. Capitanio, J.P. Individual differences in biobehavioral organization: Acute versus chronic stress. National Cancer Institute workshop on Emotion and Stress, Bethesda, MD, April, 2012.
233. Capitanio, J.P. Individual differences matter! Some (surprising) causes and consequences of variation in biobehavioral organization in rhesus monkeys. Affective Sciences Training Program, University of California, Berkeley, CA, April, 2012.
234. Capitanio, J.P. Individual differences matter! Some (surprising) causes and consequences of variation in biobehavioral organization in rhesus monkeys. Keynote address, New Perspectives in Behavioural Development, Ethologischen Gesellschaft (German Ethological Society), Muenster, Germany, February, 2012.
235. Capitanio, J.P. Understanding individual differences in bio-behavioral organization of rhesus monkeys: Better science and better management. Invited presentation at

- International BioConference Live Laboratory Animal Sciences, online, February, 2012.
236. Capitanio, J.P. A monkey on my back: Research at the California National Primate Research Center and your health. UC Davis Retirees Group, Davis, CA, February, 2012.
  237. Hinde, K., Foster, A., Capitanio, J.P. Lactational Programming of Infant Behavioral and Somatic Development. Invited paper presented at Milk and lactation: Defining and refining the critical questions. University of Colorado, Denver, CO, January, 2012.
  238. Hinde, K., Foster, A., Capitanio, J.P. Cortisol in mother's milk mediates the coordinated development of infant behavior and physiology. Poster presented at VII Göttinger Freilandtage, Behavioral constraints and flexibility, Göttingen, Germany, December, 2011.
  239. Higley, J.D., Sorenson, A., Padro, B.S., Capitanio, J.P., Stephen, L., Barr, C.S., Suomi, S.J. Low Sensitivity or Level of Response to Ketamine Predicts High Alcohol Intake in Adolescent Rhesus Monkeys. Poster submitted to 50<sup>th</sup> annual meeting of the American College of Neuropsychopharmacology, Waikoloa Beach, HI, December, 2011.
  240. Capitanio, J.P. Understanding individual differences in bio-behavioral organization of rhesus monkeys: Better science and better management. Invited presentation at 39<sup>th</sup> Annual Workshop of the Association of Primate Veterinarians, San Diego, CA, September, 2011.
  241. Weinstein, T.A., Del Rosso, L., Capitanio, J.P. Rhesus macaque (*Macaca mulatta*) mothers' response to separation from their infants parallels their previous reaction to separation from their mothers during infancy. Paper presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 55.
  242. Sorenson, A., Padro, B.S., Capitanio, J.P., Higley, J.D. Ketamine recovery time predicts alcohol intake in group-housed adolescent and young rhesus macaques (*Macaca mulatta*). Poster presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 66.
  243. Vandeleest, J.J., Hamel, A.F., Meyer, J., Novak, M.A., Mendoza, S.P., Capitanio, J.P. Hair cortisol level is correlated with adrenal capacity and influenced by birth timing in infant rhesus monkeys (*Macaca mulatta*). Poster presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 90.
  244. Weinstein, T.A., Capitanio, J.P. An active, confident temperament during infancy predicts later interest in an unfamiliar human observer in rhesus macaques (*macaca mulatta*). Poster presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 91.
  245. Sullivan, E.C., Capitanio, J.P. Consistency in factors of behavioral responsiveness from infancy to adulthood. Poster presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 93.
  246. Chun, K., Capitanio, J.P. Behavioral responsiveness during infancy predicts social behavior in one-year-old rhesus macaques (*macaca mulatta*). Poster presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of

- Primateology, 2011, 73(Suppl 1), 97.
247. McCowan, B., Beisner, B., Capitanio, J.P., Jackson, M., Seil, S., Atwill, E.R., Fushing, H. Network stability is a balancing act of personality, power, and conflict dynamics in rhesus macaque societies. Paper presented at annual meeting of American Society of Primatologists, Austin, TX, September, 2011. American Journal of Primatology, 2011, 73(Suppl 1), 110.
  248. Chun, K., Miller, L. A., Capitanio, J. P. The relationship between inhibited temperament and leukocyte sensitivity to glucocorticoids in rhesus macaques. Poster presented at annual meeting of Psychoneuroimmunology Research Society, Chicago, IL, June, 2011.
  249. Capitanio, J.P. Stress, personality, and disease in rhesus macaques: Some potential neuroimmune mechanisms. Dept. of Medical Microbiology, UC Davis, February, 2011.
  250. Capitanio, J.P. Personalized medicine: Insights from monkey models. Invited talk at Dept. of Psychology, UC Merced, October, 2010.
  251. Capitanio, J.P. Understanding individual differences in biobehavioral organization of rhesus monkey infants: Better science and better management. Invited workshop presentation, 4<sup>th</sup> Annual Innovative Enrichment Symposium, Atlanta, GA, October, 2010.
  252. Capitanio, J.P. A tendency to affiliate: Behavioral, physiological, and health correlates of sociability in rhesus monkeys. Invited symposium presentation, Annual Meeting of the Society of Experimental Social Psychology, Minneapolis, MN, October, 2010.
  253. Capitanio, J.P. Personality and disease in rhesus macaques: Some neuroimmune mechanisms. Invited symposium presentation, XXIII Congress of International Primatological Society, Kyoto, Japan, September, 2010.
  254. Weinstein, T.A.R., Bales, K.L., Capitanio, J.P. Sex differences in temperament's relationship to plasma neuropeptides in rhesus monkeys *Macaca mulatta*. Poster presented at 47<sup>th</sup> Annual Meeting of the Animal Behavior Society, Williamsburg, VA, July, 2010.
  255. Weinstein, T.A.R., Bales, K.L., Capitanio, J.P. Infant temperament and longitudinal consistency of plasma concentrations of oxytocin and vasopressin in rhesus monkeys (*Macaca mulatta*). Poster presented for Annual Meeting of Society for Behavioral Neuroendocrinology, Toronto, Canada, July, 2010.
  256. Capitanio, J.P. Organizer, annual Interdisciplinary Symposium: Social Processes and Disease in Nonhuman Primates. Thirty-third Annual Meeting, American Society of Primatologists, Louisville, KY, June, 2010. American Journal of Primatology. 2010. 72(Suppl 1), 43.
  257. Sullivan, E.C., Capitanio, J.P. Similarity in temperament between rhesus monkey (*Macaca mulatta*) mothers and offspring is associated with similarity in Monoamine Oxidase A genotype. Paper presented at Thirty-third Annual Meeting, American Society of Primatologists, Louisville, KY, June, 2010. American Journal of Primatology. 2010. 72(Suppl 1), 30.
  258. Vandeleeest, J., Capitanio, J.P. Seasonal birth timing predicts basal cortisol, antibody level, and mother-infant interactions in rhesus monkey (*Macaca mulatta*) infants. Paper presented

- at Thirty-third Annual Meeting, American Society of Primatologists, Louisville, KY, June, 2010. American Journal of Primatology. 2010. 72(Suppl 1), 31.
259. Capitanio, J.P. Direct and indirect effects of personality on immune and health outcomes in rhesus monkeys. Invited presentation at conference on The Emergence of Personality in Animals. Center for Interdisciplinary Studies, University of Bielefeld, Bielefeld, Germany, May, 2010.
  260. Jiang, J., Sankaran, S., Dandekar, D., Capitanio, J.P. Methamphetamine alters fundamental relationships between immune, viral, and blood-brain barrier measures in simian immunodeficiency virus-infected rhesus macaques (*Macaca mulatta*). Poster presented at annual meeting of Society on Neuroimmune Pharmacology, Los Angeles, CA, April, 2010. J. Neuroimmune Pharmacology. 2010. 5(Suppl 1): S48.
  261. Capitanio, J.P. Individual differences in emotionality: temperament and health. Invited symposium on Understanding Emotion in Primates: In Honor of Darwin's 200<sup>th</sup> Birthday. Annual meeting of the American Society of Primatologists, San Diego, CA, September, 2009.
  262. Jiang, J., Capitanio, J.P. Degree of chinese ancestry affects behavioral responsiveness of infant rhesus macaques (*Macaca mulatta*): a preliminary analysis. Poster presented at annual meeting of the American Society of Primatologists, San Diego, CA, September, 2009.
  263. Vandeleest, J., Capitanio, J.P. Birth timing predicts weaning-related behaviors in rhesus monkeys (*Macaca mulatta*). Poster presented at annual meeting of the American Society of Primatologists, San Diego, CA, September, 2009.
  264. Sullivan, E.C., Hinde, K., Capitanio, J.P., Mendoza, S.P. Cortisol concentrations in rhesus monkey milk: Implications for offspring biobehavioral development. Poster presentation at the Fortieth Annual Meeting of the International Society of Psychoneuroendocrinology, July 23, 2009.
  265. Weinstein, T.A.R., Bales, K.L., Capitanio, J.P. Temperament and involvement in affiliative relationships predict later plasma concentrations of vasopressin, but not oxytocin, in juvenile rhesus macaques (*Macaca mulatta*). Poster presentation, Society for Behavioral Neuroendocrinology, E. Lansing, MI, June, 2009.
  266. Capitanio, J.P., Sloan, E., Cole, S.W. Social stress and simian immunodeficiency virus disease: Behavioral and physiological mechanisms that affect disease progression. Invited presentation in symposium entitled Social Stress Increases Vulnerability to Drug Abuse and Disease. Annual meeting of the American Psychiatric Association Symposium:, San Francisco, May 2009.
  267. Hinde, K., Capitanio, J.P. Mother's milk energy shapes infant growth and behavioral development in rhesus macaques (*Macaca mulatta*). Invited symposium presentation at annual meeting of American Association of Physical Anthropologists, April, 2009. American Journal of Physical Anthropology, 2009, 48, 151.
  268. Capitanio, J.P. Stress, coping and AIDS: Insights from a monkey model. Invited presentation, International Conference on Biotechnological Approaches to Neuroimmunomodulation and Infectious Diseases, Chandigarh India, December 2008.

269. Kinnally, E.L., Tarara, E.R., Karere, G.M., Mendoza, S.P., Mason, W.A., Lyons, L.A., Capitanio, J.P. Genetic, temperamental, and social factors predict maternal behavior in female rhesus macaques (*Macaca mulatta*). Poster Presentation, International Society for Developmental Psychobiology, Washington, D.C., November, 2008.
270. Sullivan, E.C., Capitanio, J.P. Sex differences in the intergenerational transmission of temperament in rhesus monkeys (*Macaca mulatta*). Poster Presentation, International Society for Developmental Psychobiology, Washington, D.C., November, 2008.
271. Capitanio, J.P. Individual differences in biobehavioral organization in rhesus macaques: Causes and consequences. Invited presentation, Wright State University, Dayton, Ohio, October, 2008.
272. Capitanio, J.P. Personality and genotype: Individual difference factors in health and disease. Keynote Address for Frontiers in Psychoneuroimmunology: The Emotional Interface. University of South Florida, Tampa, FL, September, 2008.
273. Mendoza, S.P., Corbett, B., Franz, C., Kremen, W., Lyons, M.J., Levine, S., Capitanio, J.P. Measuring dysregulation of the hypothalamic-pituitary-adrenal (HPA) system. Paper presented at 22nd Congress of the International Primatological Society, Edinburgh, Scotland, UK, August, 2008.
274. Capitanio, J.P. Personality, genotype, and social stress influence SIV disease progression via different immunologic mechanisms. Invited symposium on From Molecules to Societies: The Psychobiological Determinants of Health and Well-Being, Vancouver, British Columbia, Canada, July, 2008.
275. Hinde, K., Capitanio, J.P. Lactational programming? Mother's milk energy predicts infant behavior and temperament. Invited presentation in Featured symposium: Interdisciplinary Primatology -- Mother's Milk: Physiological, Behavioral, and Evolutionary Aspects of Lactation. Presentation at 31<sup>st</sup> annual meeting of American Society of Primatologists, West Palm Beach, FL, June, 2008. American Journal of Primatology. 2008. 70(Suppl 1), 27.
276. Weinstein, T., Bales, K.L., Capitanio, J.P. Temperament and involvement in affiliative relationships predict later plasma concentrations of vasopressin, but not oxytocin, in juvenile rhesus macaques (*Macaca Mulatta*). Poster presentation at 31<sup>st</sup> annual meeting of American Society of Primatologists, West Palm Beach, FL, June, 2008. American Journal of Primatology. 2008. 70(Suppl 1), 30.
277. Sullivan, E.C., Capitanio, J.P. Consistency in behavioral responsiveness from infancy to adulthood. Poster presentation at 31<sup>st</sup> annual meeting of American Society of Primatologists, West Palm Beach, FL, June, 2008. American Journal of Primatology. 2008. 70(Suppl 1), 33-34.
278. Vandeleeest, J., Capitanio, J.P. Offspring responses to mothers' resumption of estrus in rhesus monkeys (*macaca mulatta*). Poster presentation at 31<sup>st</sup> annual meeting of American Society of Primatologists, West Palm Beach, FL, June, 2008. American Journal of Primatology. 2008. 70(Suppl 1), 34.
279. Kinnally, E.L., Tarara, E., Mason, W.A., Abel, K., Mendoza, S.P., Capitanio, J.P. Serotonin transporter expression is predicted by maternal aggression and is associated with disinhibited behavior in infant rhesus macaques (*Macaca mulatta*). Paper presentation at 31<sup>st</sup>



- annual meeting of American Society of Primatologists, West Palm Beach, FL, June, 2008. American Journal of Primatology. 2008. 70(Suppl 1), 46.
280. Capitanio, J.P. (Co-Chair). Introduction to symposium: Individual responses to the environment: Immune and health correlates. Psychoneuroimmunology Research Society, Madison, WI, May, 2008.
  281. Sloan, E.K., Capitanio, J.P., Tarara, R.P., Cole, S.W. Social temperament and lymph node innervation. Paper presentation at 15<sup>th</sup> Annual Meeting of the Psychoneuroimmunology Research Society, Madison, WI, May, 2008.
  282. Capitanio, J.P. Extraversion in monkeys: How a “tendency to affiliate” is associated with brain and immune function, coping, and health. Invited presentation, NIH STEP Program, Bethesda, MD, March, 2008.
  283. Capitanio, J.P. The role of personality in health-related outcomes: Evidence from studies with rhesus monkeys. Invited symposium participant, Association for Research in Personality, Albuquerque, NM, February, 2008.
  284. Capitanio, J.P., Mason, W.A., Mendoza, S.P. A biobehavioral assessment program to identify individual differences in infant monkey temperament. MIND Institute, UC Davis School of Medicine, February, 2008.
  285. Kinnally, E.L., Tarara, E.R., Lyons, L.A., Mason, W.A., Abel, K., Mendoza, S.P., Capitanio, J.P. Interaction between maternal aggression and rh5-httlpr genotype predicts serotonin transporter gene expression and behavior in infant rhesus macaques. Poster proposed for annual meeting of Society for Neuroscience, November, 2007.
  286. Sloan, E.K. Cox, B.F., Tarara, R.P., Capitanio, J.P., Cole, S.W. The effect of beta-blockers on peripheral lymphoid innervation: Implications for HIV. Poster proposed for annual meeting of Society for Neuroscience, November, 2007.
  287. Sullivan, E.C., Hinde, K., Capitanio, J.P., Mendoza, S.P. Cortisol concentrations in rhesus monkey milk: relationship to cortisol concentrations in plasma and offspring sex. Poster presentation at 40<sup>th</sup> annual meeting of the International Society for Developmental Psychobiology, San Diego, CA, November, 2007.
  288. Capitanio, J.P. Stress and AIDS: Insights from a monkey model. UC Davis School of Medicine, November, 2007.
  289. Capitanio, J.P. Influences of stress and coping on SIV disease progression in rhesus monkeys. Center for Comparative Medicine, UC Davis, September, 2007.
  290. Vandeleest, J., Capitanio, J.P. Temperament as a predictor of abnormal behavior in non-human primates. Poster presented at 113<sup>th</sup> annual meeting of American Psychological Association, San Francisco, CA, August, 2007.
  291. Weinstein, T.A.R., Mason, W.A., Capitanio, J.P. Individual differences in the persistence of affiliative relationships across context in juvenile rhesus monkeys (*Macaca mulatta*). Paper submitted for annual meeting of Animal Behavior Society, Burlington, VT, July, 2007.
  292. Golub, M.S., Capitanio, J.P., Hogrefe, C.E. Response to a novel environment is altered by

- anemia in male rhesus monkey infants. Poster proposed for annual meeting of Neurobehavioral Teratology Society, Pittsburgh, PA, June, 2007.
293. Vandeleest, J., Capitanio, J.P., McCowan, B. Behavioral response to brief, early separation predicts development of stereotypy in rhesus monkeys (*Macaca mulatta*). Paper presented at 30<sup>th</sup> annual meeting of American Society of Primatologists, Winston-Salem, NC, June, 2007. American Journal of Primatology, 69(S1), 51-52.
  294. Sullivan, E., Hinde, K., Capitanio, J.P., Mendoza, S.P. Cortisol concentrations in rhesus monkey milk. Paper presented at 30<sup>th</sup> annual meeting of American Society of Primatologists, Winston-Salem, NC, June, 2007. American Journal of Primatology, 69(S1), 59.
  295. Rommeck, I., McCowan, B., Capitanio, J.P., Lerche, N.W. The effect of four nursery-rearing strategies on the emergence of self-directed behavior in laboratory housed rhesus macaques (*Macaca mulatta*). Paper presented at 30<sup>th</sup> annual meeting of American Society of Primatologists, Winston-Salem, NC, June, 2007. American Journal of Primatology, 69(S1), 88.
  296. Kinnally, E.L., Lyons, L.A., Capitanio, J.P. Gene-environment interaction predicts peripheral serotonin transporter gene expression in infant rhesus macaques (*Macaca mulatta*). Paper presented at 30<sup>th</sup> annual meeting of American Society of Primatologists, Winston-Salem, NC, June, 2007. American Journal of Primatology, 69(S1), 85-86.
  297. Sloan, E.K., Cox, B.F., Tarara, R.P., Capitanio, J.P., Mason, W.A., Mendoza, S.P., Cole, S.W. Beta-blockers for SIV infection: Impact on lymph node innervation and viral replication. Paper proposed for 14<sup>th</sup> Annual Meeting of the Psychoneuroimmunology Research Society, May, 2007, Arcachon, France.
  298. Capitanio, J.P., Abel, K., Mendoza, S.P., Blozis, S.A., McChesney, M.B., Cole, S.W., Mason, W.A. Personality and serotonin transporter promoter genotype interact with social context to affect measures of simian immunodeficiency virus disease progression in adult male rhesus monkeys. Paper proposed for 14<sup>th</sup> Annual Meeting of the Psychoneuroimmunology Research Society, May, 2007, Arcachon, France.
  299. Capitanio, J.P. Social stress in simian aids: causes and consequences for immune function and disease progression. Invited symposium presentation at 13<sup>th</sup> Annual Meeting of the Society for Neuroimmune Pharmacology, April, 2007, Salt Lake City, UT.
  300. Capitanio, J.P. Stress in rhesus monkeys modulates the rate of SIV-induced AIDS progression. Invited paper at Inaugural meeting of the USA-Caribbean Conference on HIV/AIDS and Drug Abuse, Puerto Rico, December, 2006.
  301. Capitanio, J.P., Mendoza, S.P., Mason, W.A., Widaman, K.F. Biobehavioral characterization of infant rhesus monkeys. Poster presented at 6<sup>th</sup> Comparative Medicine Resource Directors Meeting, University of California, Davis, November, 2006.
  302. Capitanio, J.P. Host factors and social context influence SIV disease progression. Invited presentation at Wuhan University, Wuhan, China, October, 2006.
  303. Kinnally, E.L., Karere, G.M., Lyons, L.A., Capitanio, J.P. Genotype and early experience impact peripheral serotonin transporter gene regulation in response to maternal separation in

- infant rhesus macaques. Poster presented at annual meeting of Society for Neuroscience, October, 2006.
304. Capitanio, J.P. Interaction of the environment and disease progression: Implications for acculturation stress. Invited presentation in symposium on Interaction of Drug Use with HIV Disease Progression, organized by L. Erinoff at annual meeting of the National Hispanic Science Network, Scottsdale, AZ, September, 2006.
  305. Capitanio, J.P. Stem cell and gene therapy research at the National Primate Research Centers. Invited presentation in symposium on The National Primate Research Centers: Now and into the Future, organized by L. Williams at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006.
  306. Sullivan, E.C., Mason, W.A., Capitanio, J.P. Are infants like their mothers? An analysis of temperament in rhesus monkeys (*Macaca mulatta*). Poster presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 117-118.
  307. Capitanio, J.P., Mason, W.A., Mendoza, S.P., Abel, K., Blozis, S.A. Polymorphism in the serotonin transporter promoter and infectious disease. Invited presentation in symposium on The use of molecular genetics in behavior studies, organized by J.D. Higley, at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 192.
  308. Vandeleest, J.J., Capitanio, J.P., McCowan, B. Predictors of abnormal behavior in rhesus macaques (*Macaca mulatta*). Poster presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 106.
  309. Kinnally, E.L., Mendoza, S.P., Mason, W.A., Capitanio, J.P. Quality of experience and early emotion regulation predict adult response to novelty in female rhesus macaques. Paper presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 140-141.
  310. Kinnally, E.L., Karere, G.M., Mendoza, S.P., Mason, W.A., Lyons, L.A., Capitanio, J.P. The role of serotonin pathway polymorphisms in temperament and personality in rhesus macaques. Invited presentation in symposium on The use of molecular genetics in behavior studies, organized by J.D. Higley, at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006.
  311. Kinnally, E.L., Karere, G.M., Mendoza, S.P., Mason, W.A., Lyons, L.A., Capitanio, J.P. Monoamine oxidase-A and serotonin transporter haplotype influences emotion regulation in response to maternal separation in infant rhesus macaques. Poster presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 113-114.
  312. Weinstein, T., Mason, W.A., Capitanio, J.P. Individual differences in temperament predict longitudinal stability of affiliative relationships in juvenile Rhesus macaques (*Macaca mulatta*). Poster presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 78-79.

313. Weinstein, T., Capitanio, J.P. Affiliative preference stability across situation in juvenile rhesus monkeys (*Macaca mulatta*). Paper presented at 29<sup>th</sup> annual meeting of American Society of Primatologists, San Antonio, TX, August, 2006. American Journal of Primatology. 2006. 68(Suppl 1), 98.
314. Weinstein, T.A.R., Capitanio, J.P. Temperament and the longitudinal stability of social relationships in juvenile rhesus monkeys (*Macaca mulatta*). Paper presented at annual meeting of Animal Behavior Society, Snowmass, UT, August, 2006.
315. Capitanio, J.P. , Mason, W.A., Mendoza, S.P. Biobehavioral characterization of rhesus monkeys for management and research purposes. Invited presentation in symposium entitled “The Potential Impact of Standardisation and Variation in Captive Primates”, organized by H. Buchanan-Smith and M.J. Prescott. 21<sup>st</sup> Congress of the International Primatological Society, Entebbe, Uganda, June, 2006.
316. Capitanio, J.P. Individual differences in biobehavioral organization in adult male rhesus monkeys. Invited presentation in symposium entitled “Primate Psychoneuroimmunology”, organized by S. Schapiro. 21<sup>st</sup> Congress of the International Primatological Society, Entebbe, Uganda, June, 2006.
317. Karere, G.M., Kinnally, E.L., Capitanio, J.P., Lyons, L.A. Sex differences of an interaction between early adversity and the monoamine oxidase a (MAOA) promoter polymorphisms in infant rhesus macaques. Paper presented at 21<sup>st</sup> Congress of the International Primatological Society, Entebbe, Uganda, June, 2006.
318. Capitanio, J.P. Stress and AIDS: Insights from a monkey model. Dept. of Psychology, UC Davis, June 6, 2006.
319. Sloan, EK, Tarara, R.P., Capitanio, J.P., Cole, S.W. ANS activation enhances SIV replication in vivo. Paper presented at 13<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society, Miami, FL, May-June, 2006.
320. Kinnally, E.L., Karere, G.M., Mendoza, S.P., Mason, W.A., Lyons, L.A., Famula, T.R., Capitanio, J.P. Monoamine oxidase A and serotonin transporter haplotype influences emotion regulation in response to maternal separation in infant rhesus macaques. Poster presented at the International Behavior and Neural Genetics meeting, Vancouver, Canada, May, 2006.
321. Capitanio, J.P. Individual differences in biobehavioral organization in rhesus macaques: Causes and consequences. Presentation at NIH Animal Colony, Poolesville, MD. Hosted by J.D. Higley. May, 2006.
322. Sloan, EK, Tarara, R.P., Capitanio, J.P., Cole, S.W. ANS activation enhances lymph node innervation and SIV replication in vivo. Paper presented at 2006 Palm Springs Symposium on HIV/AIDS, Palm Springs, CA, March, 2006.
323. Capitanio, J.P. Personality in rhesus monkeys: Causes, consequences, and correlates. Invited presentation in symposium entitled “Animal Social Psychology revisited: Harnessing the broad and unique benefits of animal research in social and personality psychology” organized by S. Gosling. Annual meeting of Society for Personality and Social Psychology, Palm Springs, CA, January, 2006.

324. Capitanio, J.P. Individual differences in responsiveness of nonhuman primates. Invited presentation in symposium entitled "Physiological consequences of psychological manipulations in nonhuman primate colonies" organized by S. Schapiro. 56<sup>th</sup> annual meeting of American Association for Laboratory Animal Science, St. Louis, MO, November, 2005.
325. Maninger, N., Capitanio, J.P., Ruys, J.D., Mendoza, S.P. Effects of physical restraint stress on DHEAS and cortisol in rhesus monkeys. Poster accepted for annual meeting of International Society of Psychoneuroendocrinology, Montreal, Quebec, Canada, September, 2005.
326. Weinstein, T.A.R. & Capitanio, J.P. Individual differences in temperament predict affiliative partner preferences in yearling rhesus macaques (*Macaca mulatta*). Oral presentation at annual meeting of Animal Behaviour Society, Snowbird, Utah, August, 2005.
327. Capitanio, J.P. An individual differences approach to primatology. Invited talk at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 128.
328. Capitanio, J.P. Psychobiology of personality in rhesus monkeys. Invited symposium presentation at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 124.
329. Maninger, N., Mendoza, S.P., Capitanio, J.P., Ruys, J.D. DHEAS and cortisol response of rhesus macaques to physical restraint and dexamethasone suppression. Paper presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 88.
330. Maninger, N., Capitanio, J.P., Brennan, C.M. Sociability influences interferon-gamma secretion and glucocorticoid sensitivity in adult male rhesus macaques. Poster presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 190.
331. Weinstein, T.A.R. & Capitanio, J.P. Individual differences in temperament predict affiliative partner preferences in yearling rhesus macaques (*Macaca mulatta*). Poster presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 172.
332. Sullivan, E., Capitanio, J.P., Mason, W.A. Similarity in temperament between mothers and offspring: A preliminary report. Poster presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 96.
333. Kinnally, E.L., Karere, G.M., Mendoza, S.P., Mason, W.A., Lyons, L.A., Capitanio, J.P. Serotonin transporter genotype and early environmental factors contribute to infant rhesus macaque behavioral response to novelty, human intruder, and maternal separation. Poster presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 157-158.
334. Kinnally, E.L., Whiteman, H.J., Mendoza, S.P., Mason, W.A., Karere, G.M., Lyons, L.A., Capitanio, J.P. Neuroendocrine responsivity, monoamine genotype, and response to novelty in adult male rhesus macaques. Paper presented at 28<sup>th</sup> annual meeting of American Society

- of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 73.
335. Karere, G.M., Kinnally, E.L., Capitanio, J.P., Lyons, L.A. Monoamine Oxidase A promoter variants and early life experiences modulate response to novel human stimuli in rhesus macaque. Poster presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 92.
  336. Bales, K.L., Kramer, K.M., Hostetler, C.M., Capitanio, J.P., Mason, W.A., Mendoza, S.P. Validation of oxytocin and vasopressin plasma assays for primates: what can blood tell us? Paper presented at 28<sup>th</sup> annual meeting of American Society of Primatologists, Portland, OR, August, 2005. American Journal of Primatology. 2005. 66(Suppl 1), 73.
  337. Golub, M.S., Hogrefe, C.E., Germann, S.L., Capitanio, J.P. Iron (Fe) deprivation and infant behavior in monkeys; prenatal vs postnatal effects during the first three months of life. Paper presented at annual meeting of Neurobehavioral Teratology Society, St. Pete Beach, FL, June, 2005.
  338. Sloan, E.K., Tarara, R.P., Capitanio, J.P., Cole, S.W. Enhanced SIV replication adjacent to lymph node neurons. Poster presented at 12<sup>th</sup> annual meeting of Psychoneuroimmunology Society, Denver, June, 2005.
  339. Capitanio, J.P. Simian AIDS: Stress, coping, and treatment. Invited talk at Cousins Center for Psychoneuroimmunology, UCLA, April, 2005.
  340. Karere, G.M., Kinnally, E.L., Capitanio, J.P., Lyons, L.A. Interaction of MAO-A genotype and early life experience influence response to human intruder. Poster presented at Seattle International Conference on Primate Genomics, March, 2005.
  341. Kinnally, E.L., Karere, G.M., Wolf, D.A., Lyons, L.A., Capitanio, J.P. Interactive effects of rhMAO-A-LPR and rh5-HTTLPR genotype on macaque personality factors. Poster presented at Seattle International Conference on Primate Genomics, March, 2005.
  342. Maninger, N., Capitanio, J.P., Brennan, C.M. Sociability, interferon-gamma, and SIV disease in rhesus monkeys. Poster accepted as a Citation Poster at the 63<sup>rd</sup> Annual Meeting of the American Psychosomatic Society, March, 2005.
  343. Karere, G.M., Kinnally, E., Froenicke, L., Grahn, J., Capitanio, J., Lyons, L.A. Association between functional polymorphism in the monoamine oxidase A gene promoter and behavior in rhesus macaque. Poster presented at Plant and Animal Genome XIII Conference, San Diego, CA, January, 2005.
  344. Capitanio, J.P., Mendoza, S.P., Mason, W.A. Nursery-rearing and regulation of the hypothalamic-pituitary-adrenal axis in rhesus macaques (Macaca mulatta). Paper presented at XXth Congress of the International Primatological Society, Torino, Italy, August 2004. Folia Primatologica, 2004, 75(S1), 241-242.
  345. Weinstein, T., Capitanio, J.P. The role of temperament in juvenile rhesus macaque partner preferences: An exploratory analysis. Poster presented at 27<sup>th</sup> annual meeting of American Society of Primatologists, Madison, WI, June, 2004. American Journal of Primatology. 2004. 62(Suppl 1), 70.

346. Capitanio, J.P., Mendoza, S.P. Individual differences in hypothalamic-pituitary-adrenal regulation in 3-4 month old rhesus monkeys. Paper presented at 27<sup>th</sup> annual meeting of American Society of Primatologists, Madison, WI, June, 2004; also presented at Annual Psychology Conference, Dept. of Psychology, University of California, Davis, 26 May 04. American Journal of Primatology. 2004. 62(Suppl 1), 35.
347. Karere, G.M., Kinnally, E.L., Lyons, L.A., Capitanio, J.P. Infant temperament and response to maternal separation are associated with MAO A genotype in rhesus macaques. Poster presented at 27<sup>th</sup> annual meeting of American Society of Primatologists, Madison, WI, June, 2004. American Journal of Primatology. 2004. 62(Suppl 1), 102.
348. Maninger, N., Capitanio, J.P., Blozis, S.A., Ruys, J.D., Mendoza, S.P. Differential effects of stressors on the hypothalamic-pituitary-adrenal hormones cortisol and DHEAS in adult male rhesus macaques. Paper presented at 27<sup>th</sup> annual meeting of American Society of Primatologists, Madison, WI, June, 2004. American Journal of Primatology. 2004. 62(Suppl 1), 34-35.
349. Maninger, N., Capitanio, J.P., Mendoza, S.P. Relationship of adrenal hormones DHEAS and cortisol to SIV disease in rhesus monkeys. Poster presented at 11<sup>th</sup> annual meeting of the Psychoneuroimmunology Research Society, Titisee, Germany, May, 2004.
350. Capitanio, J.P. Stress and coping in nonhuman primates: mechanisms of health and disease. Invited talk for symposium on Social Determinants of Health and Disease, sponsored by the Northern California Epidemiology Network. Napa, CA, 5 March 2004.
351. Amaral, D.G., Toscano, J.E., Bauman, M.D., Lavenex, P., Mason, W.A., Capitanio, J.P. Social dominance in juvenile rhesus macaque monkeys with bilateral amygdala or hippocampus lesions. Society for Neuroscience, New Orleans, LA, November, 2003. Society for Neuroscience Abstract Viewer and Itinerary Planner. 2003. Abst #290.14.
352. Bauman, M.D., Lavenex, P., Mason, W.A., Capitanio, J.P., Amaral, D.G. Persistence of social fear and evidence of social interest in rhesus monkeys with neonatal amygdala lesions. Society for Neuroscience, New Orleans, LA, November, 2003. Society for Neuroscience Abstract Viewer and Itinerary Planner. 2003. Abst #290.5.
353. Bentson, K.L., Capitanio, J.P., Mendoza, S.P. Effect of ketamine on cortisol: a need for further studies. Symposium presentation at 26<sup>th</sup> annual meeting of American Society of Primatologists, Calgary, Alberta, Canada, August, 2003. American Journal of Primatology, 2003, 60(S1), 90.
354. Maninger, N., Mendoza, S.P., Capitanio, J.P. Influence of social stress on plasma cortisol and DHEAS concentrations in adult male rhesus macaques. Paper presented at 26<sup>th</sup> annual meeting of American Society of Primatologists, Calgary, Alberta, Canada, August, 2003. American Journal of Primatology, 2003, 60(S1), 102.
355. Ruys, J.D., Capitanio, J.P., Mendoza, S.P. Normative dose response data on the prolactin response to monoaminergic agonists/antagonists in yearling rhesus macaques (*Macaca mulatta*). Poster presented at 26<sup>th</sup> annual meeting of American Society of Primatologists, Calgary, Alberta, Canada, August, 2003. American Journal of Primatology, 2003, 60(S1), 123.
356. Capitanio, J.P. Participant in "Surviving Graduate School - A Workshop that Focuses on

- Navigating in a Gendered World". Presented at 26<sup>th</sup> annual meeting of American Society of Primatologists, Calgary, Alberta, Canada, August, 2003.
357. Capitanio, J.P., Mason, W.A., Mendoza, S.P. Sociability, biobehavioral organization and simian immunodeficiency virus disease in rhesus macaques. Invited symposium at 11<sup>th</sup> Biennial Meeting of the International Society for the Study of Individual Differences, 13-17 July 2003, Graz, Austria.
  358. Capitanio, J.P. Biobehavioral organization and disease: Sociability, social stress and simian AIDS. Invited address as recipient of Patricia R. Barchas Award in Sociophysiology, American Psychosomatic Society. Phoenix, AZ, 3/7/03.
  359. Capitanio, J.P. Individual differences in biobehavioral organization of rhesus macaques: Origins and implications. Department of Physiology, University of Arizona, 2/14/03.
  360. Bauman (Prather), M.D., M.L. Mauldin-Jourdain, P. Lavenex, W. A. Mason, J. P. Capitanio, S. P. Mendoza, and D. G. Amaral. Development of filial bonds in macaque monkeys with neonatal bilateral amygdala or hippocampus lesions. Poster presented at 2002 Society for Neuroscience meeting, Orlando, FL, November, 2002.
  361. Mauldin-Jourdain, M.L., M. D. Bauman, P. Lavenex, W.A. Mason, J. P. Capitanio, S. P. Mendoza, D. G. Amaral. Responsiveness of infant macaque monkeys to novel inanimate objects: effects of bilateral amygdala or hippocampus lesions. Poster presented at 2002 Society for Neuroscience meeting, Orlando, FL, November, 2002.
  362. Capitanio, J.P. Use of nonhuman primates in stress research. Invited presentation at Workshop on Emerging Uses of Nonhuman Primates in Biomedical Research, sponsored by Office of Laboratory Animal Welfare (NIH), Association of Primate Veterinarians, and American Society of Laboratory Animal Professionals. San Antonio, TX, 26 Oct. 2002.
  363. Capitanio, J.P. Individual differences in biobehavioral organization in rhesus monkeys. CNPRC Rounds, 9/12/02.
  364. Capitanio, J.P. Twenty-five Years of ASP Meetings: Contributions to Primates and to Primatology. Symposium at 25<sup>th</sup> annual meeting of American Society of Primatologists, Oklahoma City, OK, June, 2002. J.P. Capitanio, organizer. American Journal of Primatology, 2002, 57(S1), 58.
  365. Ruys, J.D., Capitanio, J.P., Mendoza, S.P. Individual differences in personality and neuroendocrine responses to pharmacological treatment in adult male rhesus macaques (*Macaca mulatta*). Paper presented at 25<sup>th</sup> annual meeting of American Society of Primatologists, Oklahoma City, OK, June, 2002. American Journal of Primatology, 2002, 57(S1), 78.
  366. Maninger, N., Mendoza, S.P., Capitanio, J.P. Effects of stable versus unstable social group formation on testosterone in adult male rhesus macaques (*Macaca mulatta*). Poster presented at 25<sup>th</sup> annual meeting of American Society of Primatologists, Oklahoma City, OK, June, 2002. American Journal of Primatology, 2002, 57(S1), 42.
  367. Capitanio, J.P. Psychological well-being of non-human primates: New USDA policy and ILAR guidelines. Social needs of nonhuman primates. Invited paper presented at Advancing IACUC Education and Research Animal Well-being. Scientists' Center for



Animal Welfare, San Antonio, TX, December, 2001.

368. Prather, M.D., Lavenex, P., Mauldin, M., Mason, W.A., Capitanio, J.P., Mendoza, S.P., Amaral, D.G. Dissociation of fear to inanimate objects from social fear in macaque monkeys with neonatal bilateral amygdala lesions. Poster presented at Society of Neuroscience meeting, San Diego, CA, November, 2001. Society for Neuroscience Abstracts. 2001. 27(Pt 1). 1202.
369. Prather, M.D., Lavenex, P., Mauldin, M., Mason, W.A., Capitanio, J.P., Mendoza, S.P., Amaral, D.G. Neonatal amygdala lesions in the nonhuman primate – implications for an animal model of autism. International Meeting for Autism Research, San Diego, CA.
370. Capitanio, J.P. Sociability in adult male rhesus macaques (*Macaca mulatta*) may be associated with social skills. Poster presented at 24<sup>th</sup> annual meeting of American Society of Primatologists, Savannah, GA, August, 2001. American Journal of Primatology, 2001, 54(S1), 98.
371. Maninger, N. & Capitanio, J.P. Personality influences tetanus-specific antibody response after housing relocation in adult male rhesus macaques (*Macaca mulatta*). Paper presented at 24<sup>th</sup> annual meeting of American Society of Primatologists, Savannah, GA, August, 2001. American Journal of Primatology, 2001, 54(S1), 77.
372. Ruys, J.D., Capitanio, J.P., Mendoza, S.P., Geitzen, D. Methodological effects on cerebrospinal fluid (CSF) monoamines in adult male rhesus macaques (*Macaca mulatta*). Poster presented at 24<sup>th</sup> annual meeting of American Society of Primatologists, Savannah, GA, August, 2001. American Journal of Primatology, 2001, 54(S1), 92-93.
373. Capitanio, J.P. AIDS in rhesus monkeys: Influences of stressors and personality characteristics on biobehavioral organization and immunodeficiency disease progression. Invited symposium on: Psychoneuroimmunology of HIV Infection: Clinical, Animal, and Molecular Approaches. Psychoneuroimmunology Research Society, Utrecht, The Netherlands, May, 2001. Brain, Behavior and Immunity, 2001, 15, 121-122.
374. Capitanio, J.P. Personality differences between and within species of *Macaca*. Invited talk for International Workshop on Macaque Societies and Evolution. University of Mysore, Mysore, India, March, 2001.
375. Capitanio, J.P. Variation in SIV disease progression: Influences of husbandry procedures, social stress, and personality. Oregon Regional Primate Research Center, 9 March 2001.
376. Mendoza, S.P. & Capitanio, J.P. Stress and immunity: Interactions between leukocytes and pituitary-adrenal activity. Paper presented at 18th Congress of International Primatological Society, Adelaide, Australia, January, 2001.
377. Capitanio, J.P. Relationship between ‘Sociability’ and responses to video playbacks in adult male rhesus monkeys (*Macaca mulatta*). Paper presented at 18th Congress of International Primatological Society, Adelaide, Australia, January, 2001.
378. Capitanio, J.P. Social stress in macaque models of disease. Invited symposium on ‘Stress as an unrecognized variable in pharmacology research’. Annual meeting of the American Association of Laboratory Animal Science, San Diego, CA, November, 2000.

379. Workshop participant: Developing partnerships: Educators and Scientists in the Classroom. Annual convention of California Science Teachers Association, Sacramento, CA. 10/13/00.
380. Capitanio, J.P. Environmental Enhancement: Policy, plans, and perspective. Invited roundtable participant at 23rd annual meeting of American Society of Primatologists, Boulder, CO, June, 2000.
381. Bentson, K.L., Capitanio, J.P., Mendoza, S.P. Effects of blood sampling, telazol, and ketamine on cortisol in rhesus monkeys (*Macaca mulatta*). Paper presented at 23rd annual meeting of American Society of Primatologists, Boulder, CO, June, 2000. American Journal of Primatology, 2000, 51 (S1), 43.
382. Capitanio, J.P. The effects of stress on research results. Invited presentation at annual meeting of Public Responsibility in Medicine and Research, Boston, MA, March, 2000.
383. Capitanio, J.P. Behavioral and physiological correlates of personality in adult male rhesus monkeys. Animal Behavior Seminar Series, UC Davis, 18 February 2000.
384. Capitanio, J.P. Personality in nonhuman primates: Conception, measurement, and implications. Psychology Dept., Cornell University, 29 April 1999.
385. Capitanio, J.P. Psychosocial influences in simian AIDS. Psychology Dept., Cornell University, 30 April 1999.
386. Emery, N.J., Machado, C.J., Mendoza, S.P., Capitanio, J.P., Mason, W.A., Amaral, D.G. Role of the amygdala in dyadic social interactions and the stress response in monkeys. Presented at annual meeting of the Society for Neuroscience, Miami, FL, November, 1998. Society for Neuroscience Abstracts, 1998, 24, 780.
387. Capitanio, J.P. Predictability and controllability: The influence of husbandry procedures on some biobehavioral processes in macaques. Invited participant in symposium on Stress and Development, at 17th Congress of the International Primatological Society, Antananarivo, Madagascar, August, 1998.
388. Herek, G.M., & Capitanio, J.P. AIDS stigma and HIV-related beliefs in the United States: Results from a national telephone survey. XIIth World AIDS Conference, Geneva, Switzerland, July, 1998. (Oral presentation and poster). Conference record [abstracts] of the 12th World AIDS Conference. Geneva, Switzerland, 1998.
389. Capitanio, J.P. Social stress and disease progression in simian AIDS. Invited symposium participant at 6th Conference on Drug Abuse, Immunomodulation, and AIDS, Scottsdale, AZ, June, 1998.
390. Capitanio J.P., Lerche N.W., Mendoza S.P., Mason W.A. Social stress affects survival and pituitary-adrenal functioning in SIV-inoculated rhesus monkeys. Journal of Medical Microbiology, 1998, 27, 172.
391. Capitanio, J.P. Personality factors of adult male rhesus monkeys (*Macaca mulatta*) predict responses to videotape playback four years later. Paper presented at 21st annual meeting of American Society of Primatologists, Georgetown, TX, June, 1998. American Journal of Primatology, 1998, 45, 172.

392. Capitanio, J.P. Social behavior. Invited workshop participant, A Comprehensive Workshop for Teachers. 21st annual meeting of American Society of Primatologists, Georgetown, TX, June, 1998.
393. Hornig, M., Briese, T., Capitanio, J., Tarantal, A., Lerche, N., Lipkin, W. Establishment of a nonhuman primate model for Borna Disease. Poster presented at annual meeting of the American Society for Virology, Vancouver, British Columbia, Canada, July 1998.
394. Capitanio, J.P. How animals do what they do: The attitudinal domain of behavior. Invited workshop participant, 'It's not just context', National Institute of Mental Health, Potomac MD, January, 1998.
395. Amaral, D.G., Capitanio, J.P., Machado, C.J., Mason, W.A., Mendoza, S.P. The role of the amygdaloid complex in rhesus monkey social behavior. Poster presented at annual meeting of Society for Neuroscience, New Orleans, LA, Oct., 1997. Society for Neuroscience Abstracts, 1997, 23(part 1), 570.
396. Capitanio, J.P., Lerche, N.W., Mendoza, S.P., Mason, W.A. Social stress affects survival and pituitary-adrenal functioning in SIV-inoculated rhesus monkeys. Poster presented at 15th Symposium on Nonhuman Primate Models for AIDS, Seattle, WA, Sept., 1997.
397. Capitanio, J.P. Psychosocial factors in simian AIDS. Invited workshop participant, 'New directions in drug abuse and AIDS research', National Institute on Drug Abuse, Rockville, MD, July, 1997.
398. Mendoza, S.P., Capitanio, J.P. Social induction of chronic stress: Implications of reduced hypothalamic-pituitary-adrenal activity. Symposium presentation at annual meeting of International Society of Psychoneuroendocrinology, San Francisco, CA, July, 1997.
399. Capitanio, J.P., Mendoza, S.P., Lerche, N.W., Mason, W.A. Long-term survivors of SIV infection: A psychobiological profile. Poster presented at annual meeting of the Psychoneuroimmunology Research Society, Boulder, CO, June 1997.
400. Capitanio, J.P., Bond, J.C., Mason, W.A. "A state of mind or feeling": Assessment of the attitudinal domain of social interaction. Paper presented at annual meeting of American Society of Primatologists, San Diego, CA, June 1997. American Journal of Primatology, 1997, 42, 98-99.
401. Capitanio, J.P. Invited Workshop Participant on "Ethics and primate research". Annual meeting of American Society of Primatologists, San Diego, CA June 1997.
402. Capitanio, J.P. Contributions of individual characteristics to behavior in small social groups of adult male rhesus macaques (Macaca mulatta). Paper presented at 16th Congress of International Primatological Society, Madison, WI, August, 1996.
403. Rothgarn, E., Capitanio, J.P. Analysis of usage of the world wide web site for the American Society of Primatologists. Poster presented at 16th Congress of International Primatological Society, Madison, WI, August, 1996.
404. Capitanio, J.P., Mendoza, S.P., Lerche, N.W. Affiliation and agonism influence pituitary-adrenal activity and SIV disease progression in adult male rhesus macaques. Poster presented at 13th Annual Symposium on Nonhuman Primate Models for AIDS, November,

1995. Also presented as a poster at annual meeting of the Psychoneuroimmunology Research Society Meeting, Santa Monica, CA, April, 1996. Journal of Medical Primatology, 1995, 24, 192.
405. Capitanio, J.P., Mendoza, S.P. Tetanus-specific antibody response is related to behavioral response to stable or unstable group formations in adult male rhesus monkeys (Macaca mulatta). Paper presented at annual meeting of American Society of Primatologists, Scottsdale, AZ, June, 1995. American Journal of Primatology, 1995, 36, 115.
406. Mendoza, S.P., Capitanio, J.P. Effects of daily social experience on the pituitary-adrenal and leukocyte response to dexamethasone and chair restraint. Paper presented at annual meeting of American Society of Primatologists, Scottsdale, AZ, June, 1995. American Journal of Primatology, 1995, 36, 143.
407. Capitanio, J.P., Mendoza, S.P., Mason, W.A., McChesney, M.B., Lerche, N.W. Individual differences in emotional reactivity and measures of immunity among adult male rhesus macaques. Poster presented at annual meeting of the Psychoneuroimmunology Research Society, Key Biscayne, FL, November, 1994.
408. Mendoza, S.P., Capitanio, J.P., McChesney, M.B., Lerche, N.W. Influence of dexamethasone and restraint stress on leukocytes. Poster presented at annual meeting of the Psychoneuroimmunology Research Society, Key Biscayne, FL, November, 1994.
409. Capitanio, J.P., Mendoza, S.P., Mason, W.A., McChesney, M.B., Lerche, N.W. Personality assessments of adult male rhesus macaques and immune system measures. Paper presented at annual meeting of American Society of Primatologists, Seattle, WA, July, 1994. American Journal of Primatology, 1994, 33, 200.
410. Mendoza, S.P., Capitanio, J.P., McChesney, M.B., Lerche, N.W. Stress, hypothalamic-pituitary-adrenal activity and leukocyte levels. Paper presented at annual meeting of American Society of Primatologists, Seattle, WA, July, 1994. American Journal of Primatology, 1994, 33, 228-229.
411. Capitanio, J.P. Variability in HIV disease: Toward an animal model of psychosocial influences. Paper presented at "Neuroscience findings in AIDS research" meeting sponsored by the National Institute of Mental Health, Bethesda, MD, January, 1994.
412. Herek, G.M., Capitanio, J.P. AIDS, stigma, and heterosexism: The national survey on AIDS and stigma. Paper presented at the annual meeting of the American Psychological Association, Toronto, Canada, August, 1993.
413. Herek, G.M., Capitanio, J.P. The relationship of trust to public reactions to AIDS in the United States. Poster presented at the IXth International Conference on AIDS, Berlin, Germany, June, 1993. Abstracts of the Ninth International Conference on AIDS. Berlin, Germany, 1993.
414. Herek, G.M., Capitanio, J.P. AIDS-related stigma persists in the United States. Poster presented at the VIIIth International Conference on AIDS, Amsterdam, The Netherlands, July, 1992. Abstracts of the Eighth International Conference on AIDS. Amsterdam, The Netherlands, 1992.
415. Capitanio, J.P., Mason, W.A. Learning performance of rhesus macaques reared with living

- or inanimate mother substitutes. Paper presented at the annual meeting of the American Society of Primatologists, Toronto, Canada, June, 1992. American Journal of Primatology, 1992, 27, 21.
416. Capitanio, J.P., Herek, G.M. Racial differences in attitudes toward persons with AIDS and AIDS policies. Poster presented at the Fourth Annual Convention of the American Psychological Society, San Diego, CA, June 1992.
417. Herek, G.M., Glunt, E.K., Capitanio, J.P. Intergroup contact predicts heterosexuals' attitudes toward gay men. Poster presented at the Fourth Annual Convention of the American Psychological Society, San Diego, CA, June 1992.
418. Herek, G.M., Capitanio, J.P. AIDS-related attitudes and behaviors among African Americans in California. Poster presented at the University-wide AIDS Research Program Conference, March 1992.
419. Herek, G.M., Capitanio, J.P. Reactions to AIDS in the United States: A social psychological analysis. Poster presented at First International Conference on Biopsychosocial Aspects of HIV Infection, Amsterdam, The Netherlands, September, 1991. Abstracts of the First International Conference on Biopsychosocial Aspects of HIV Infection. Amsterdam, The Netherlands, 1991.
420. Capitanio, J.P., Lerche, N. Psychosocial factors and disease progression in SAIDS: A preliminary report. Poster presented at annual meeting of the American Society of Primatologists, Veracruz, Mexico, June, 1991. American Journal of Primatology, 1991, 24, 92-93.
421. Herek, G.M., Bat-Chava, Y., Capitanio, J.P., Araba-Owoyele, L., Castaneda, D. A social psychological evaluation of AIDS-educational videos. Poster presented at VIIth International Conference on AIDS, Florence, Italy, June, 1991.
422. Herek, G.M., Capitanio, J.P. AIDS-related attitudes and behaviors among black Californians: A preliminary methodological discussion. Poster presented at Universitywide AIDS Research Program meetings, San Francisco, CA, March, 1991.
423. Capitanio, J.P., Lerche, N. Psychosocial factors and disease progression in SAIDS: A preliminary report. Poster presented at Symposium on Nonhuman Primate Models for AIDS, New Orleans, LA, November, 1990.
424. Capitanio, J.P. Experiential influences on social attention in nonhuman primates. Paper presented in symposium on Social Attentional Processes in Human and Nonhuman Primates, at International Primatological Society meetings, Gottingen, W. Germany, July, 1986. Primate Report, 1986, 14, 44-45.
425. Capitanio, J.P. Influences on group size and infant presence on maternal and yearling male behavior in free-ranging rhesus macaques: A pilot study. Poster presented at annual meeting of the American Society of Primatologists, Austin, TX, June, 1986. American Journal of Primatology, 1986, 10, 393.
426. Capitanio, J.P., Rasmussen, K.L.R., Snyder, D.S., Laudenslager, M., Reite, M. Long-term follow-up of previously separated pigtail macaques: Group and individual differences in response to unfamiliar situations. Paper presented at annual meeting of the American

- Society of Primatologists, Buffalo, NY, June, 1985. American Journal of Primatology, 1985, 8, 335.
427. Laudenslager, M.L., Capitanio, J.P., Reite, M.L., Harbeck, R. Early social separation experiences in infant monkeys and adult immunity. Poster presented at Society for Neuroscience meetings, Anaheim, CA, October, 1984.
428. Laudenslager, M.L., Capitanio, J.P., Reite, M. Some possible consequences of early separation on subsequent immune function. Poster presented at annual meeting of the American Society of Primatologists, Arcata, CA, June, 1984. American Journal of Primatology, 1984, 6, 432.
429. Capitanio, J.P., Boccia, M.L. Social signals and the maintenance of dominance relations in groups of pigtail macaques: A pilot study. Paper presented at annual meeting of the American Society of Primatologists, Arcata, CA, June, 1984. American Journal of Primatology, 1984, 6, 401.
430. Boccia, M.L., Capitanio, J.P. The role of social signals in the development of dominance relations between unfamiliar pigtail macaques. Paper presented at annual meeting of the American Society of Primatologists, Lansing, MI, August, 1983. American Journal of Primatology, 1983, 4, 338-339.
431. Capitanio, J.P. Early experience and abnormal behavior. Paper presented in symposium on Behavior and Needs of Nonhuman Primates in Captivity, at IXth Congress of the International Primatological Society, Atlanta, GA, August, 1982.
432. Capitanio, J.P. Early experience and social responsiveness. Paper presented at IXth Congress of the International Primatological Society, Atlanta, GA, August, 1982. International Journal of Primatology, 1982, 3, 268.
433. Capitanio, J.P. Early experience influences on behavioral and social competence in rhesus monkeys (*Macaca mulatta*). Paper presented in symposium on Comparative Psychology, at Western Psychological Association meetings, Sacramento, CA, April, 1982.
434. Capitanio, J.P. & Mason, W.A. Responses to separation in monkeys with different rearing experiences. Paper presented at Animal Behaviour Society meetings, New Orleans, LA, June, 1979.
435. Novak, M.A., Blume-Babcock, R.S., Capitanio, J.P. The production and reversal of social deficits in rhesus monkeys. Paper presented in a symposium honoring Harry Harlow, Tucson, AZ, 1976.