KAREN J. PARKER, Ph.D.
Curriculum Vitae

Department of Psychiatry and Behavioral Sciences
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EDUCATION

04/94	A.B.	University of Michigan College of Literature, Science and the Arts	Ann Arbor, MI
12/00	Ph.D.	University of Michigan Department of Psychology Rackham School of Graduate Studies	Ann Arbor, MI
01/01-03/06	Postdoctoral Fellow	Stanford University Department of Psychiatry and Behavioral Sciences School of Medicine	Palo Alto, CA

POSITIONS

04/06-04/07	Instructor	Stanford University Department of Psychiatry and Behavioral Sciences School of Medicine	Palo Alto, CA
2007-present 05/07-04/12 05/12-present	Assistant Professor Appointment Reappointment	Stanford University Department of Psychiatry and Behavioral Sciences School of Medicine	Palo Alto, CA
	Faculty Affiliate	Stanford University Stanford Institute for Neuro-Innovation & Translational Neurosciences (SINTN) Bio-X Children's Health Research Institute (CHRI) Stanford Autism Center at Packard Children's Hospital Clayman Institute for Gender Research Center for Neuroscience in Women's Health Stanford Mood Disorders Center	Palo Alto, CA
2012-present	Affiliate Scientist	California National Primate Research Center	Davis, CA

HONORS AND AWARDS

1993-1994 Psi Chi National Honor Society and Chapter President
Selective national honor society for undergraduate psychology students.

1995-1996 Social Science Research Council Fellowship
Competitive two-year summer fellowship to study interdisciplinary biological research in Germany (1995) and the U.S.A. (1996).

1998-2000 NICHD Institutional Predoctoral NRSA recipient (T32 HD7048)
Title: "Training Program in Reproductive Endocrinology"
Fellowship administered through the Reproductive Sciences Program, Department of Obstetrics and Gynecology, University of Michigan School of Medicine.

1999 Department of Psychology Outstanding Graduate Student Instructor Award
Two of 200 psychology graduate students selected for excellence in teaching.

1999 University of Michigan Outstanding Graduate Student Instructor
Named one of 10 top teachers based on student recommendations, departmental nomination, and university-wide selection. Awarded for classroom excellence and creativity, promise of professional scholarship, and effective student mentoring.

2000 Rackham One-Term Dissertation Award
Selective University of Michigan fellowship awarded during dissertation writing.

2000 Department of Psychology Marquis Award
One dissertation thesis selected from 50 department-wide.

2000 University of Michigan Distinguished Dissertation Award
One of 9 dissertation theses selected from 650 university-wide.

2001-2003 Pritzker Network Postdoctoral Training Fellowship

2001-2002 Stanford University School of Medicine Dean's Fellowship
Competitive, merit-based school-wide award of $16,000.

2002-2006 Health Emotions Research Institute Scholar Award recipient
Seven% of applicants selected to attend the Wisconsin Symposium on Emotion.

2003 Society for Behavioral Neuroendocrinology Travel Award recipient
Competitive award ($500) to attend the 7th Annual meeting of the Society for Behavioral Neuroendocrinology.

2003-2006 NIMH Individual Postdoctoral NRSA recipient (F32 MH66537)
Title: "Maternal availability and postnatal brain development"

2007-2009 2007 NARSAD Young Investigator Award recipient

HONORS AND AWARDS CONT.

2012-2014 McCormick Faculty Award
Competitive award for Stanford faculty who advance women in medicine and medical research.

LEADERSHIP PROGRAMS AND PROFESSIONAL DEVELOPMENT

2006 Woodhull Institute Young Women's Ethical Leadership Retreat
Professional development and leadership training program focused on honing negotiation, writing, public speaking, and financial literacy skills.

2010-2011 Stanford School of Medicine Faculty Fellows Program
Selective leadership development program for faculty members with outstanding leadership potential and identified as future leaders in the School of Medicine.

2011 Stanford School of Medicine Team Science Workshop Series
A program requiring departmental nomination that advances skills and leadership in team science management, effectiveness, innovation, and productivity.

2012-2013 Stanford School of Medicine Advanced Leadership Development Program
Selective advanced leadership development program targeted to train current leaders and high-potential emerging leaders in the School of Medicine.

GRANT REVIEW PANELS AND EDITORIAL BOARD MEMBERSHIP

2009 Ad hoc member, Biobehavioral Regulation, Learning and Ethology (BRLE) study section, National Institutes of Health

2009-present Reviewer for Medical Scholars Research Program, Stanford University
Review research applications, interview candidates, and make funding recommendations for grant proposals submitted by medical students in the Neuroscience, Behavior & Cognition Scholarly Concentration.

2009 Reviewer, National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs), Medical Research Council, United Kingdom

2011 Member, Chimpanzee Biomedical Research Program National Center for Research Resources (NCRR), National Institutes of Health Special Emphasis Panel

2011 Reviewer, Division of Integrative Organismal Systems (IOS), National Science Foundation

2012 Reviewer, Luxembourg National Research Fund (FNR), Luxembourg

GRANT REVIEW PANELS AND EDITORIAL BOARD MEMBERSHIP CONT.

2012-2018 Member, Biobehavioral Regulation, Learning and Ethology (BRLE) study section, National Institutes of Health

2013-present Editorial Board Member, Psychoneuroendocrinology

MANUSCRIPT REVIEWER

Animal Behaviour, American Journal of Primatology, American Journal of Psychiatry, Archives of General Psychiatry, Behaviour, Behavioural Brain Research, Behavioral Ecology and Sociobiology, Biological Psychiatry, BMC Neuroscience, Current Directions in Psychological Science, Developmental Psychobiology, Economics and Human Biology, Ethology, European Archives of Psychiatry and Clinical Neuroscience, European Psychiatry, F1000 Biology Reports, Hormones and Behavior, Journal of Psychosomatic Research, Journal of Psychiatric Research, Molecular Psychiatry, Neuropsychopharmacology, Physiology and Behavior, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society Series B, Psychiatry Research, Psychological Bulletin, Psychoneuroendocrinology, Scientific Reports

SELECTION COMMITTEES (ADMISSIONS, POSITIONS, AND AWARDS)

1998-2000 Reproductive Sciences Executive Training Committee, University of Michigan
Reviewed applications, interviewed candidates, and admitted doctoral and post-doctoral trainees to a National Institutes of Health training program.

2007-present Ad hoc evaluation of doctoral, postdoctoral, residency, and medical fellow applicants, Stanford University
Interview and provide written evaluations of applicants for suitability for admission to various Stanford University training programs.

2007-2011 Neuroscience Graduate Program Admissions Committee, Stanford University
Reviewed applications, interviewed candidates, and admitted doctoral students to the Stanford University Neuroscience Program.

2009 Department of Psychiatry Chair Search Subcommittee Member, Stanford University

2013 American Psychological Association (APA) Distinguished Scientific Award for an Early Career Contribution to Psychology Selection Committee, APA.

PROFESSIONAL ASSOCIATIONS

Society for Behavioral Neuroendocrinology
Society of Biological Psychiatry
Society for Neuroscience

RESEARCH INTERESTS

1. Biomarker discovery and therapeutic development for social impairments: animal models and patients with autism spectrum disorders

2. The behavioral neurobiology of stress resilience and vulnerability: animal models and patients with major depression

RESEARCH FUNDING (Total: $6,241,711.00 as PI or Co-PI; excludes Co-I)

2003-2006 F32 MH66537 (PI: Parker)
National Institutes of Health
Title: "Maternal availability and postnatal brain development"

2007-2009 Young Investigator Award (PI: Parker)
National Alliance for Research on Schizophrenia & Depression (NARSAD)
Title: "Oxytocin stress, and HPA axis physiology"

2008-2010 Simons Foundation Autism Research Initiative (SFARI) Pilot Award (PI: Parker)
The Simons Foundation
Title: "Oxytocin biology and the social deficits of autism spectrum disorders"

2009-2011 Pediatric Neurosciences Award (PI: Penn; Role: Co-PI)
Lucile Packard Children's Hospital
Title: "Connecting oxytocin and social functioning in human infants"

2007-2012 R01 MH77884 (PI: Lyons; Role: Co-PI)
National Institutes of Health
Title: "Neurobiology of stress inoculation"

2010-present Mosbacher Family Fund for Autism Research (PI: Parker)
Private Foundation
Title: "CSF oxytocin: relationships to autism and social functioning"

2011-2016 R01 HD67175 (MPIs: Maestripieri and Parker)
National Institutes of Health
Title: "Early experience and emotional development in free-ranging primates"

2012-2014 Child Health Research Institute (CHRI) Pilot grant (PI: Parker)
Lucile Packard Children's Hospital
Title: "Double-blind, randomized, placebo controlled trial of oxytocin treatment for social deficits in children with autism"

2012-2014 Weston Havens Foundation (PI: Parker)
Private Foundation
Title: "CSF and blood biomarkers of social functioning in autism"

RESEARCH FUNDING CONT.

2012-2014 California National Primate Research Center (CNPRC) Pilot Award (PI: Parker)
CNPRC base grant (OD011107), National Institutes of Health
Title: "The role of oxytocin biology in primate social impairments"

2012-2017 R01 NR13662 (PI: Manber; Role: Co-I)
National Institutes of Health
Title: "The effectiveness of non-pharmacological treatment for perinatal insomnia"

2012-2014 Bio-X Interdisciplinary Initiatives Program (IIP) Award (PI: Parker)
Bio-X NeuroVenture Program
Title: "Biomarkers of the social deficits of children with autism"

2012-2014 McCormick Faculty Award (PI: Parker)
Katherine D. McCormick Fund
Title: "Oxytocin and vasopressin: Potential biomarkers of social functioning in autism"

2013-2014 CHRI Pilot grant (PI: Hardan; Role: Co-PI)
Lucile Packard Children's Hospital
Title: "Randomized controlled trial of vasopressin treatment for social deficits in children with autism"

2013-2015 SFARI Pilot award (PI: Parker)
The Simons Foundation
Title: "Biomarker discovery for low sociability: A monkey model"

2013-2015 R21MH100387 (MPIs: Parker and Hardan)
National Institutes of Health
Title: "The role of vasopressin in the social deficits of autism"

2013-2015 R21HD079095 (PI: Parker)
National Institutes of Health
Title: "A model of naturally occurring low social functioning"

PUBLISHED PEER-REVIEWED RESEARCH ARTICLES
(* = Parker as corresponding or co-corresponding author; # = Parker's mentee or co-mentee)

1. **Parker KJ*** & Lee TM (2001). Central vasopressin administration modulates the facultative onset of paternal behavior in *Microtus pennsylvanicus* (meadow voles). *Hormones and Behavior*, 39(4): 285-294.

PUBLISHED PEER-REVIEWED RESEARCH ARTICLES CONT.

2. **Parker KJ**, Kinney LF#, Phillips KM# & Lee TM (2001). Paternal behavior is associated with central neurohormone receptor binding patterns in meadow voles (*Microtus pennsylvanicus*). *Behavioral Neuroscience*, 115(6): 1341-1348.

3. **Parker KJ**, Phillips KM#, Kinney LF# & Lee TM (2001). Day length and socio-sexual cohabitation alter central oxytocin receptor binding in female meadow voles (*Microtus pennsylvanicus*). *Behavioral Neuroscience*, 115(6): 1349-1356.

4. **Parker KJ**, Phillips KM# & Lee TM (2001). Development of selective partner preferences in captive male and female *Microtus pennsylvanicus* (meadow voles). *Animal Behaviour*, 61(6): 1217-1226.

5. **Parker KJ*** & Lee TM (2001). Social and environmental factors influence the suppression of pup-directed aggression and development of paternal behavior in captive meadow voles (Microtus pennsylvanicus). *Journal of Comparative Psychology*, 115(4): 331-336.

6. **Parker KJ*** & Lee TM (2002). Interaction of photoperiod and testes development are associated with paternal care in *Microtus pennsylvanicus* (meadow voles). *Journal of Physiology & Behavior*, 75(1-2): 91-95.

7. **Parker KJ*** & Lee TM (2003). Female *Microtus pennsylvanicus* (meadow voles) exhibit same-sex partner preferences. *Journal of Comparative Psychology*, 117(3): 283-289.

8. **Parker KJ***, Schatzberg AF & Lyons DM (2003). Neuroendocrine aspects of hypercortisolism in major depression. *Hormones and Behavior*, 43(1): 60-66.

9. Zeitzer JM, Buckmaster CL, **Parker KJ**, Hauck CM, Lyons DM & Mignot E (2003). Circadian and homeostatic regulation of hypocretin in a primate model: Implications for the consolidation of wakefulness. *Journal of Neuroscience*, 23(8): 3555-3560.

10. **Parker KJ***, Buckmaster CL, Schatzberg AF & Lyons DM (2004). Prospective investigation of stress inoculation in young monkeys. *Archives of General Psychiatry*, 61(9): 933-941.

11. **Parker KJ***, Buckmaster CL, Schatzberg AF & Lyons DM (2005). Intranasal oxytocin administration attenuates the ACTH stress response in monkeys. *Psychoneuroendocrinology*, 30: 924-929.

12. **Parker KJ***, Buckmaster CL, Justus KR#, Schatzberg AF & Lyons DM (2005). Mild early Life stress enhances prefrontal-dependent response inhibition in monkeys. *Biological Psychiatry*, 57(8): 848-855.

PUBLISHED PEER-REVIEWED RESEARCH ARTICLES CONT.

13. Mitra R, Sundlass K#, **Parker KJ**, Schatzberg AF & Lyons DM (2006). Social stress-related behavior affects hippocampal cell proliferation in mice. *Journal of Physiology & Behavior*, 89 (2): 123-127.

14. **Parker KJ***, Buckmaster CL, Sundlass K#, Schatzberg AF & Lyons DM (2006). Maternal mediation, stress inoculation, and the development of neuroendocrine stress resistance in primates. *Proceedings of the National Academy of Sciences*, 103(8): 3000-3005.

15. Lyons DM & **Parker KJ** (2007). Stress inoculation-induced indications of resilience in monkeys. *Journal of Traumatic Stress*, 20 (4): 423-433.

16. **Parker KJ***, Rainwater KL#, Buckmaster CL, Schatzberg AF, Lindley SE & Lyons DM (2007). Early life stress and novelty seeking behavior in adolescent monkeys. *Psychoneuroendocrinology*, 32 (7): 785-792.

17. Lyons DM, **Parker KJ**, Zeitzer JM, Buckmaster CL & Schatzberg AF (2007). Preliminary evidence that hippocampal volumes in monkeys predict stress levels of adrenocorticotropic hormone. *Biological Psychiatry*, 62 (10): 1171-1174.

18. Katz M, Liu C, Schaer M, **Parker KJ**, Epps A, Ottet MC, Buckmaster CL, Bammer R, Moseley ME, Schatzberg AF, Eliez S & Lyons DM (2009). Prefrontal plasticity and stress inoculation-induced resilience. *Developmental Neuroscience*, 31: 293-299.

19. Lyons DM, **Parker KJ**, Katz M & Schatzberg AF (2009). Developmental cascades linking stress inoculation, arousal regulation, and resilience. *Frontiers in Behavioral Neuroscience*, doi:10.3389/neuro.08.032.2009.

20. Edge MD, Ramel W, Drabant EM, Kuo JR, **Parker KJ** & Gross JJ (2009). For better or worse? Stress inoculation effects for implicit but not explicit anxiety. *Depression and Anxiety*, 26(9): 831-837.

21. **Parker KJ***, Kenna HA, Zeitzer JM, Keller J, Blasey CM, Amico JA & Schatzberg AF (2010). Preliminary evidence that plasma oxytocin levels are elevated in major depression. *Psychiatry Research*, 178(2): 359-362.

22. Lyons DM, **Parker KJ** & Schatzberg AF (2010). Animal models of early life stress: Implications for understanding resilience. *Developmental Psychobiology*, 52(5): 402-410.

23. **Parker KJ*,** Hoffman CL, Hyde SA, Cummings CS# & Maestripieri D (2010). Effects of age on cerebrospinal fluid oxytocin levels in free-ranging adult female and infant rhesus Macaques. *Behavioral Neuroscience*, (124): 428-33.

PUBLISHED PEER-REVIEWED RESEARCH ARTICLES CONT.

24. Thompson RJ, **Parker KJ**, Hallmayer JF, Waugh CE & Gotlib IH (2011). Oxytocin receptor gene polymorphism (rs2254298) interacts with familial risk for psychopathology to predict symptoms of depression and anxiety in adolescent girls. *Psychoneuroendocrinology*, 36 (1): 144-147.

25. **Parker KJ*** & Maestripieri D (2011). Identifying key features of early stressful experiences that produce stress vulnerability and resilience in primates. *Neuroscience and Biobehavioral Reviews*, 35(7): 1466-1483.

26. **Parker KJ***, Hyde SA, Buckmaster CL, Tanaka SM#, Brewster KK#, Schatzberg AF, Lyons DM & Woodward SH (2011). Somatic and neuroendocrine responses to standard and biologically salient acoustic startle stimuli in monkeys. *Psychoneuroendocrinology*, 36(4): 547-556.

27. Lee AG#, Cool DR, Grunwald WC, Neal DE#, Buckmaster CL, Cheng MY, Hyde SA, Lyons DM & **Parker KJ** (2011). A novel oxytocin peptide in New World monkeys. *Biology Letters*, 7(4): 584-7.

28. Higham JP, Barr CS, Hoffman CL, Mandalaywala TM, **Parker KJ** & Maestripieri D (2011). Mu-opioid receptor (OPRM1) variation, oxytocin levels, and maternal attachment in free-ranging rhesus macaques. *Behavioral Neuroscience*, 125(2): 131-136.

29. Miller GE, Chen E & **Parker KJ** (2011). Psychological stress in childhood and susceptibility to the chronic diseases of aging: moving toward a model of behavioral and biological mechanisms. *Psychological Bulletin*, 137(6): 959-997.

30. **Parker KJ***, Buckmaster CL, Lindley SE, Schatzberg AF & Lyons DM (2012). Hypothalamic pituitary-adrenal axis physiology and cognitive control of behavior in stress inoculated monkeys. *International Journal of Behavioral Development*, 36(1): 45-52.

31. Tirouvanziam R, Obukhanych TV, Laval J, Aronov P, Libove R, Banerjee A, **Parker KJ**, O'Hara R, Herzenberg L, Herzenberg L & Hardan AY (2012). Distinct plasma profile of polarneutral amino acids leucine and glutamate in children with autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 42(5): 827-836.

32. Hall SS, Lightbody AA, McCarthy BE, **Parker KJ** & Reiss AL (2012). Effects of Intranasal Oxytocin Administration on Social Anxiety in Males with Fragile X Syndrome. *Psychoneuroendocrinology*, 37(4): 509-518.

33. Clark CL, St. John N, Pasca AM, Hyde SA, Hornbeak K#, Abramova M, Feldman H, **Parker KJ** * & Penn AA* (2013). Neonatal CSF oxytocin levels are associated with parent report of infant soothability and sociability. *Psychoneuroendocrinology*, 38(7): 1208-1212.

PUBLISHED PEER-REVIEWED RESEARCH ARTICLES CONT.

34. Daskalakis NP, Bagot RC, **Parker KJ**, Vinkers CH & de Kloet ER (2013). Resilience and vulnerability: adaptations to early-life adversity outcome. *Psychoneuroendocrinology*, 38(9): 1858-1873.

SUBMITTED OR IN PREPARATION RESEARCH ARTICLES
(* = Parker as corresponding or co-corresponding author; # = Parker's mentee or co-mentee)

35. **Parker KJ***, Buckmaster CL, Hyde SA, Schatzberg AF & Lyons DM*. Early life stress and alprazolam effects on emotion regulation in monkeys. Submitted.

36. Samson AC, Phillips JM, **Parker KJ**, Shaw S, Gross JJ & Hardan AY. Emotion dysregulation and the core features of autism spectrum disorder. Submitted.

37. Yuen KW#, Garner JP, Carson DS#, Keller J, Lembke A, Hyde SA, Kenna HA, Tennakoon L, Schatzberg AF & **Parker KJ***. Plasma oxytocin concentrations are lower in depressed women and predict clinical phenotypes in both genders, independent of cortisol. Submitted.

38. **Parker KJ***, Garner JP, Libove RA, Hornbeak KB#, Hyde SA, Liao CP, Phillips JM, Hallmayer JF & Hardan AY. Oxytocin levels and receptor gene variants predict social functioning, but not disease status, in children with and without autism. Draft in preparation.

39. Carson DS#, Howerton CL, Garner JP, Hyde SA, Clark CL, Hardan AY, Penn AA & **Parker KJ***. Plasma vasopressin levels positively predict cerebrospinal fluid vasopressin levels in human neonates. Draft in preparation.

40. Carson DS#, Howerton CL, Garner JP, Libove RA, Hyde SA, Phillips JM, Hardan AY & **Parker KJ*.** Plasma vasopressin levels positively predict social cognition in children with autism but not in siblings of probands or healthy controls. Draft in preparation.

PUBLISHED ASTRACTS (HARDCOPY OR ONLINE)
(Excludes 12 undergraduate student abstracts for Stanford-based fellowship and honor's thesis presentations)

1. Craig HK, Washington JA & **Parker KJ** (1992). BE-Dialect Versus Preschool Language Disorder: A complex Syntax Approach. American-Speech-Hearing-Language Association (ASHA), 57th Annual Convention. San Antonio, TX.

2. Washington JA, Craig HK & **Parker KJ** (1992). Characterizing the Black English of Low-income African Preschoolers. ASHA, 57th Annual Convention. San Antonio, TX.

3. **Parker KJ** & Lee TM (1997). Duration of cohabitation and photoperiodic effects on mating and parental behavior in *Microtus pennsylvanicus* (meadow vole). Society for Behavioral Neuroendocrinology (SBN), 1st Annual Meeting. Baltimore, MD.

4. **Parker KJ** & Lee TM (1998). Development of paternal behavior in the meadow vole. SBN, 2nd Annual Meeting. Atlanta, GA.

PUBLISHED ASTRACTS (HARDCOPY OR ONLINE) CONT.

5. **Parker KJ** & Lee TM (1999). The role of photoperiod and vasopressin in the onset of paternal behavior in the meadow vole. SBN, 3rd Annual Meeting. Charlottesville, VA.

6. **Parker KJ** (2001). Behavioral Neurobiology of Affiliation and Paternal Care in *Microtus Pennsylvanicus* (meadow voles). *Dissertation Abstracts International: Section B: The Sciences and Engineering*, 61(10-B): 5615.

7. Zeitzer JM, Buckmaster CL, **Parker KJ**, Hauck CM, Lyons DM & Mignot E (2002). Diurnal variation of hypocretin-1 in the cisternal cerebrospinal fluid of a diurnal sleep-consolidating primate, *Saimiri sciureus*. Society for Research on Biological Rhythms, 8thAnnual Meeting. Amelia Island, FL.

8. **Parker KJ**, Buckmaster CL, Schatzberg AF & Lyons DM (2003). Rearing-related differences in primate HPA physiology, socioemotional behavior, and cognitive performance. *Abstract Society for Neuroscience (SfN)*, 660.5.

9. **Parker KJ**, Buckmaster CL, Schatzberg AF & Lyons DM (2003). Early environmental programming of HPA physiology and emotional reactivity: A primate model. *Hormones and Behavior*, 44(1): 68.

10. Lyons DM, **Parker KJ**, Buckmaster CL, Zeitzer JM & Schatzberg AF (2004). Postnatal programming of the hypothalamic-pituitary-adrenal stress response. *SfN*, 662.21.

11. Lyons DM, **Parker KJ**, Katz M, Buckmaster CL & Schatzberg AF (2005). Neural substrates of stress inoculation determined in vivo by brain imaging in monkeys. *Neuropsychopharmacology*, 30 (Suppl): S59-60.

12. Lyons DM, **Parker KJ**, Zeitzer JM, Buckmaster CL & Schatzberg AF (2005). Hippocampal volume variation and stress-related psychopathology. *SfN*, 243.3.

13. **Parker KJ**, Buckmaster CL, Sundlass K, Schatzberg AF & Lyons DM (2005). The roles of maternal care and stress inoculation in the development of primate stress resistance. American Neuroendocrine Society, 9th Annual Meeting. San Diego, CA.

14. Lyons DM, **Parker KJ**, Katz M & Schatzberg AF (2009). Stress inoculation-induced adaptations in prefrontal development. *SfN*, 102.6.

15. Thompson RJ, **Parker KJ**, Hallmayer JF & Gotlib IH (2009). Oxytocin receptor gene interacts with familial risk for psychopathology to predict symptoms of anxiety and depression in adolescent girls. Society for Research in Psychopathology, 23rd Annual Meeting. Minneapolis, MN.

PUBLISHED ASTRACTS (HARDCOPY OR ONLINE) CONT.

16. **Parker KJ**, Libove RA, Allen GI, Hyde S, Liao P, Phillips JM, Hallmayer JF & Hardan AY (2010). Oxytocin biology and social impairments in autism spectrum disorders. International Meeting for Autism Research (IMFAR), 9th Annual Meeting. Philadelphia, PA.

17. Deerrose BE, Phillips JM, **Parker KJ** & Hardan AY (2010). NEPSY-II Social Cognition Profiles for Children with Autism Spectrum Disorders and Their Siblings: Preliminary Results. IMFAR, 9th Annual Meeting. Philadelphia, PA.

18. Libove RA, Hallmayer J, Phillips JM, **Parker KJ** & Hardan AY (2010). Anxiety Symptoms in Children with Autism Spectrum Disorders and their Siblings. IMFAR, 9th Annual Meeting. Philadelphia, PA.

19. Obukhanych TV, Tirouvanziam R, Laval J, Aronov PA, Libove RA, Goswami A, **Parker KJ**, O'Hara R, Herzenberg L, Herzenberg L & Hardan AY (2011). Distinct Profile of Glutamate, Leucine, and Polar Neutral Amino Acids In Children with Autism Spectrum Disorders. IMFAR, 10th Annual Meeting. San Diego, CA.

20. Thompson SE, Scollin E, Libove RA, Phillips JM, **Parker KJ** & Hardan AY (2011). Social Cognitive Profiles of Children with Autism and Their Siblings. IMFAR, 10th Annual Meeting. San Diego, CA.

21. Scollin E, Thompson SE, Libove RA, Phillips JM, **Parker KJ** & Hardan AY (2011). Social Cognitive Differences Among Children on the Autism Spectrum. IMFAR, 10th Annual Meeting. San Diego, CA.

22. Libove RA, Phillips JM, **Parker KJ** & Hardan AY (2011). Associations Between Repetitive Behaviors and Anxiety Symptoms In Children with Autism Spectrum Disorders. IMFAR, 10th Annual Meeting. San Diego, CA.

23. Hornbeak KB, Libove RA, Phillips JM, Penn AA, **Parker KJ** & Hardan AY (2011). A Preliminary Investigation of Prematurity Status and Clinical Presentation In Children with Autism Spectrum Disorders. IMFAR, 10th Annual Meeting. San Diego, CA.

24. Berquist KL, Lee GY, **Parker KJ** & Hardan AY (2011). The Relationship Between Sensory Abnormalities and Repetitive Behaviors In Children with Autism. IMFAR, 10th Annual Meeting. San Diego, CA.

25. Carson DS, Hardan AY, Bowen MT, McGregor IS & **Parker KJ** (2011). Oxytocin treatment for social deficits in children with autism: it's time to translate! Workshop on the Biology of Prosocial Behavior at Emory University. Atlanta, GA

26. Clark CL, St. John N, Pasca A, Hyde S, Hornbeak K, Abramova MA, **Parker KJ** & Penn AA (2012). Neonatal CSF oxytocin levels are associated with early need for social engagement to soothe. Pediatric Academic Societies, 23rd Annual Meeting. Boston, MA.

PUBLISHED ASTRACTS (HARDCOPY OR ONLINE) CONT.

27. Parker KJ (2012). Oxytocin and vasopressin biology in New World monkeys. *American Journal of Primatology*, 74: 26.

28. Buckmaster CL, Hyde SA, **Parker KJ** & Lyons DM (2012). Spontaneous tool-use by captive born squirrel monkeys (Saimiri sciureus sciureus). *American Journal of Primatology*, 74: 39.

29. **Parker KJ** (2012). Early life stress inoculation in monkeys: A pathway to resilience. *European Journal of Psychotraumatology Supplement 1*, 2012 - 3. http://dx.doi.org/10.3402/ejpt.v3i0.19458.

30. Samson AC, Gross JJ, Cormenzana S, **Parker KJ** & Hardan AY (2013). The Association of Emotion Dysregulation to Core Features of the Autism Spectrum Disorder. IMFAR, 12th Annual Meeting. San Sebastian, Spain.

31. Mandalaywala T, Bethell EJ, **Parker KJ** & Maestripieri D (2013). Negativity bias in free-ranging infant rhesus macaques on Cayo Santiago. *American Journal of Primatology*, 75: 43.

32. Carson DS, Hardan AY & **Parker KJ** (2013). Plasma oxytocin levels and OXTR SNPs exert independent and additive underlying influences on human social functioning, but are not themselves directly associated with autism disease pathology. The 10th World Congress of Neurohypophysial Hormones. Bristol, United Kingdom.

33. **Parker KJ** & Maestripieri D (2013). Oxytocin and mother-infant relationships in free-ranging rhesus macaques. European Brain and Behaviour Conference, 45th Annual Meeting, Munich, Germany.

34. Maestripieri D, Lindell S, Barr C & **Parker KJ** (2013). Genetic and experiential influences on the development of stress vulnerability and resilience in rhesus macaques. World Congress on the Developmental Origins of Health and Disease, 8th Annual Meeting, Suntec, Singapore.

INTERNATIONAL AND NATIONAL SYMPOSIUM SPEAKER

1994 The Human Behavior and Evolution Society, 6th Annual Meeting. Ann Arbor, MI.

1995 Invited Speaker, The Mating and Parental Care Symposium, Center for Interdisciplinary Research (ZiF). Beilefeld, Germany.

1996 Invited Speaker, The Mating and Parental Care Symposium. Ann Arbor, MI.

2003 The Society for Neuroscience (SFN), 33rd Annual Meeting. New Orleans, LA.

INTERNATIONAL AND NATIONAL SYMPOSIUM SPEAKER CONT.

2003 Invited Speaker, Sensory Systems and Judgment in the Law Conference, The Gruter Institute for Law and Behavioral Research. Squaw Valley, CA.

2003 Invited Speaker, Department of Psychology, University of California San Diego. La Jolla, CA.

2004 Invited Speaker, Law, Behavior and the Brain Conference. The Gruter Institute for Law and Behavioral Research. Squaw Valley, CA.

2005 Invited Speaker, Department of Psychiatry, McGill. Montreal, Quebec.

2005 Invited Speaker, The Institute for Social Research's Evolution and Human Adaptation Program, University of Michigan. Ann Arbor, MI.

2005 Invited Speaker, Departments of Neuroscience and Psychiatry, Baylor College of Medicine. Houston, TX.

2005 Invited Speaker, Neuropsychiatric Institute, UCLA. Westwood, CA.

2005 Invited Speaker, Department of Psychology, University of Pennsylvania. Philadelphia, PA.

2006 Invited Speaker, Conservation and Research for Endangered Species Seminar Series, Zoological Society of San Diego. Escondido, CA.

2006 Invited Speaker, International Society of Psychoneuroendocrinology (ISPNE), 37th Annual Meeting. Leiden, The Netherlands.

2007 Society for Behavioral Neuroendocrinology (SBN), 11th Annual Meeting. Pacific Grove, CA.

2007 Invited Speaker, International Society for Developmental Psychobiology (ISDP), 40th Annual Meeting. San Diego, CA.

2007 Invited Speaker, Animal Behavior Colloquia Series, University of Chicago. Hyde Park, IL.

2008 Invited Speaker, Department of Psychology and Human Early Learning Partnership (HELP), University of British Columbia. Vancouver, BC.

2009 Invited Speaker, Department of Psychology, University of California at Davis. Davis, CA.

2009 Invited Speaker, ISPNE, 40th Annual Meeting. San Francisco, CA.

INTERNATIONAL AND NATIONAL SYMPOSIUM SPEAKER CONT.

2010 Invited Speaker, The 2nd Symposium on Developmental Psychopathology. Herzliya, Israel.

2010 Invited Speaker, Grand Rounds, Mazra Psychiatric Hospital. Akko, Israel.

2010 Invited Speaker, Early Life Meeting, Center for Advanced Studies in the Behavioral Sciences. Palo Alto, CA.

2012 Invited Speaker (Plenary session), The 35th Annual meeting of the American Society of Primatologists. Sacramento, CA.

2012 Invited Speaker (Presidential Symposium). ISPNE, 43rd Annual Meeting. New York, NY.

2012 Invited Speaker, Program in Neuroscience and Cognitive Science, University of Maryland. College Park, MD.

2013 Invited Speaker, NIMH Interdisciplinary Developmental Science Center ("Early Experience, Stress, and Neurobehavioral Development"). Los Angeles, CA.

UNIVERSITY AND COMMUNITY SYMPOSIUM SPEAKER

1999 Reproductive Sciences Program, University of Michigan. Ann Arbor, MI.

2000 Department of Psychology, University of Michigan. Ann Arbor, MI.

2000 Reproductive Sciences Program, University of Michigan. Ann Arbor, MI.

2004 Invited Speaker, Department of Psychology, Stanford University. Palo Alto, CA.

2005 Invited Speaker, Department of Psychiatry, Stanford University. Palo Alto, CA.

2010 Invited Speaker and Break-out session leader for The Third Annual Stanford University Autism Spectrum Disorders Conference. Palo Alto, CA.

2010 Invited Speaker, Stanford University Office of Medical Development event. Atherton, CA.

2011 Invited Speaker and Panelist for the Stanford Society of Physican Scholars, Stanford University School of Medicine. Palo Alto, CA.

2011 Invited Speaker for Bay Area Autism and ADHD Conference. South San Francisco, CA.

UNIVERSITY AND COMMUNITY SYMPOSIUM SPEAKER CONT.

2012 Invited Speaker, The Fifth Annual Stanford University Autism Spectrum Disorders Conference. Palo Alto, CA.

2012 Invited Speaker, "Great Minds" Speaker Series. Stanford University School of Law. Palo Alto, CA.

2012 Invited Speaker, Lucile Packard Foundation Development event. Atherton, CA.

2013 Invited Speaker, First Annual Department of Comparative Medicine Research Day. Palo Alto, CA.

INVITED CLASSROOM GUEST LECTURER

1996 Personality Psychology (250 students), University of Michigan. Ann Arbor, MI.

1997 Biological Psychology (300 students), University of Michigan. Ann Arbor, MI.

2007 Workshop in the Methodology of Research. Stanford University. Palo Alto, CA.

2010 Neuroscience, Behavior, and Cognition Scholarly Concentration Course for Stanford University medical students. Palo Alto, CA.

2010 Bio-X Summer Program Speaker Series, Stanford University. Palo Alto, CA.

2011 Neuroscience, Behavior, and Cognition Scholarly Concentration Course for Stanford University medical students. Palo Alto, CA.

2012 Bio-X Summer Program Speaker Series, Stanford University. Palo Alto, CA.

2012 Introduction to Animal Behavior, Stanford University. Palo Alto, CA.

OVERSIGHT, ORGANIZATION, AND PLANNING ACTIVITIES

1996-1998 Psychology Graduate Committee, University of Michigan
Reviewed and created policies related to graduate course work, funding packages, curriculum, fellowship applications, and preliminary examination formats.

1996-1998 Departmental Associate, Psychology Department, University of Michigan
Appointed position with faculty voting status. Attended executive faculty meetings and served as a liaison between students and faculty.

2007 Co-organizer of a peer-reviewed international conference symposium entitled "The Psychobiology of Resilience", Society for Behavioral Neuroendocrinology, 11th Annual Meeting, Pacific Grove, CA.

OVERSIGHT, ORGANIZATION, AND PLANNING ACTIVITIES CONT.

2010-2011 Faculty Women's Forum Steering Committee, Stanford University
Planned programs that provide information and organized events to promote the success of women faculty University-wide.

2010-present Neuroscience Graduate Program Curriculum Committee, Stanford University
Review and create policies related to graduate course work and curriculum.

2013 School of Medicine Space Master Plan Subcommittee Member, Stanford University

OTHER ACTIVITIES

2006-present Consultant to venture capital and biotechnology firms
Provide strategic investment advice on the following core areas: neuroscience, animal models, and brain disorders (e.g., autism, depression).

2009-present Advisor to One Child Africa
A nonprofit organization that raises international awareness, develops educational programs, and conducts research to develop better care practices for severely traumatized children in Sub-Saharan Africa exposed to the HIV/AIDS pandemic and worldwide recession.

TEACING INTERESTS

1. Core courses: Introduction to Psychology, Behavioral Neuroscience, Hormones and Behavior, Animal Behavior, Evolutionary Biology, Research Methods
2. Seminar topics: The Biology of Social Functioning, Stress Vulnerability and Resilience

TEACHING AND MENTORING EXPERIENCE

1994-1997 Graduate Student Instructor, University of Michigan
Led lecture-wide review sessions (300 students); responsible for lesson planning, teaching, test construction, neuroanatomy laboratory instruction and testing, and grading (60 students) for 7 semesters including courses in Biological Psychology, Introductory Psychology, and Personality and Evolutionary Psychology.

1995 Instructor for Introductory Psychology, University of Michigan
Designed, taught, and graded semester-long course (25 students).

TEACHING AND MENTORING EXPERIENCE CONT.

1996-present Research Mentor, University of Michigan and Stanford University
Mentorship of undergraduate, graduate, and postdoctoral students on various preclinical and clinical research projects. Instruct on animal care and use, patient enrollment, IACUC and IRB protocol creation and submission, data collection and processing, statistical analysis, data presentation, manuscript preparation, and grant/fellowship/thesis writing.

1999-2003 Department of Athletics Academic Tutor, University of Michigan and Stanford University
Tutored undergraduate athletes enrolled in psychology, neuroscience, research methods, and statistics courses.

2007-2008 Freshman Faculty Advisor, Stanford University
Advised and mentored undergraduate students, mostly science majors, on course selection and preparation for graduate work.

2007-present Instructor for Neuroscience Summer Journal club, Stanford University.
Organize and oversee weekly journal club presentations for students rotating in the Parker lab on summer fellowships (e.g., HB-REX, BIO-X, Amgen).

2007-present PSYC199 AND BIO199 – Directed undergraduate research

2007-present NEPR 399 – Neurosciences graduate research

STANFORD UNIVERSITY STUDENT MENTORSHIP (unless otherwise specified)

Dates	Students	Relationship and Student Awards	Current Position
06/01-06/03	Karan Sundlass Computer Sci. & Biology Undergraduate	Research co-mentor	Radiologist, University of Arizona
06/04-08/04	Kimberly Rainwater Kansas State Veterinary student	Summer research co-mentor	Zoo Veterinarian, Little Rock Zoo
03/07-06/09	Carl Cummings Biology/Engineering Undergraduate Master's student	Research mentor	M.B.A. student, Stanford GSB

STANFORD UNIVERSITY STUDENT MENTORSHIP (unless otherwise specified)

Dates	Students	Relationship and Student Awards	Current Position
01/07-06/08	Kirsten Hornbeak Biology Undergraduate	Research mentor Health Emotions Travel Award Major Grant Award Honor's thesis	Medical student, UCSD
05/08-06/10	Katy Brewster Human Biol. Undergraduate	Research mentor HB-REX fellowship Human biology internship	Medical student, Columbia University
10/08-03/10	Wendy Kalkus Human Biol. Undergraduate	Research mentor HB-REX fellowship Human biology internship	Veterinary student, UC Davis
10/09-12/12	Jana Schaich Borg Neuroscience PhD student	Preliminary committee member Dissertation committee member	Postdoctoral fellow, Duke University
11/09-06/12	Serena Tanaka Human Biol. Undergraduate	Research mentor HB-REX fellowship Small grant award Human biology internship	Medical assistant, Private practice
11/09-06/12	Kaeli Yuen Biology Undergraduate	Research mentor Bio-X fellowship Major Grant award Honor's thesis	Research assistant, Stanford V.A.
11/09-06/12	Donald Neal Human Biol. Undergraduate	Research mentor HB-REX fellowship Small Grant award Major Grant award Honor's thesis	Laboratory technician, U. Penn.
07/10-present	Caroline Hu Biology PhD student	Preliminary committee member Dissertation committee member	
09/10-12/10	Emily Drabant Neuroscience PhD student	University Chair of dissertation committee	Manager of business development, 23andMe

STANFORD UNIVERSITY STUDENT MENTORSHIP (unless otherwise specified)

Dates	Students	Relationship and Student Awards	Current Position
09/11-present	Dean Carson Postdoctoral fellow	Research mentor Stanford SoM Dean's fellowship Autism Speaks fellowship	
03/12-present	Tara Hope Trujillo Human Biol. Undergraduate	Research mentor Amgen Scholar Summer 2012 Bio-X fellowship Major grant award IES Brain Research Foundation Fellowship (declined) 2013 Neuroscience Scholar, Society for Neuroscience Honor's thesis	
03/12-02/13	Amanda Manorot Human Biol. Undergraduate	Research mentor Bio-X fellowship	Undergraduate Student
03/12-06/12	Victoria Kwong Computer Sci. Undergraduate	Research mentor	Undergraduate Student
03/12-06/12	Jiwon Kim Computer Sci. Undergraduate	Research mentor	Undergraduate Student
05/12-present	Jasmine Loveland Biology PhD student	Dissertation committee member	
06/12-08/12 05/13-07/13	Jacob Moss Lewis and Clark College	Summer Research mentor	Undergraduate Student
01/13-06/13	Sanaz Amini Post-masters fellow	Research mentor	Speech-language pathologist
03/13-present	Lisa Jackson Human Biol. Undergraduate	Research mentor HB-REX fellowship Human biology internship	
03/13-present	Raena Sumiyoshi Human Biol. Undergraduate	Research mentor HB-REX fellowship Human biology internship	

STANFORD UNIVERSITY STUDENT MENTORSHIP (unless otherwise specified)

Dates	Students	Relationship and Student Awards	Current Position
04/13-present	Laura Ingalls Huntley Electrical Engineering PhD student	Dissertation committee member	
09/13-present	Jesus Madrid Neuroscience PhD student	Research mentor for lab rotation	