CURRICULUM VITAE

**DATE:** 08-08-2023

**NAME:** Kevin D. Beck Ph.D.

**PRESENT TITLE:** Associate Professor (co-terminous) Rutgers University – New Jersey Medical School

Associate Chief of Staff for Research & Development – VA New Jersey Health Care System

**OFFICE ADDRESS:**

Neurobehavioral Research Lab (15)

VA NJ Health Care System

385 Tremont Ave

East Orange, New Jersey 07018

**TELEPHONE NUMBER/E-MAIL ADDRESS:**

976-676-1000 ext. 203682 / kevin.d.beck@njms.rutgers.edu (kevin.beck@va.gov)

**EDUCATION:**

A. Undergraduate

*LaSalle University*

*Philadelphia, PA.*

*BA (Psychology) 1992*

b. Graduate

*Teachers College, Columbia University*

*New York, NY.*

*MA (Developmental Psychology) 1994*

*Graduate School and University Center of the City University of New York*

*New York, NY.*

*Ph.D. (Biopsychology) 1999*

**POSTDOCTORAL TRAINING:**

A. Internships and Residences *N/A*

B. Research Fellowships *N/A*

C. Postdoctoral Appointments

*New Jersey Medical School, UMDNJ, Newark, NJ*

*Neuroscience*

*1999-2000*

**MILITARY:** *N/A*

**ACADEMIC APPOINTMENTS:**

*Department of Psychology*

*Hunter College of the City University of New York*

*Adjunct Instructor*

*1998-1999*

*Department of Psychology*

*Seton Hall University*

*Adjunct Professor*

*2001-2003*

*Department of Neurology and Neurosciences*

*New Jersey Medical School, UMDNJ*

*Assistant Professor (co-terminous)*

*2004-2011*

*Department of Neurology and Neurosciences*

*Rutgers, New Jersey Medical School*

*Associate Professor (co-terminous)*

*2011-2015*

*Department of Pharmacology, Physiology, & Neuroscience*

*Rutgers, New Jersey Medical School*

*Associate Professor (co-terminous)*

*2014-present*

**OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:**

*Research Physiologist*

*Neurology Service*

*VA New Jersey Health Care System*

*2000-2007*

*Research Physiologist*

*Research Service*

*VA New Jersey Health Care System*

*2007-2015*

*Acting Associate Chief of Staff for Research & Development*

*Research Service*

*VA New Jersey Health Care System*

*2014-2015*

*Associate Chief of Staff for Research & Development*

*Research Service*

*VA New Jersey Health Care System*

*2015-present*

**LICENSURE:** *N/A*

**NARCOTICS CERTIFICATION:** *N/A*

**CERTIFICATION:** *National Security Clearance—Secret Level (expired)*

**MEMBERSHIPS, OFFICES and COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

*American Psychological Association*

*Member*

*1990-2013*

*Society for Neuroscience*

*Member*

*1996-present*

*Society for Behavioral Neuroendocrinology*

*Member*

*1999-2012*

*Pavlovian Society*

*Member*

*2004-present*

*Executive Committee*

*2012-2016*

*New York Academy of Sciences*

*Member*

*2005-2009*

*Organization for the Study of Sex Differences*

*Charter Member*

*2006-2019*

*Society Councilor*

*2007-2009*

*Nominations Committee*

*2007-2009, 2014-2015*

*Chairman Nominations Committee*

*2007-2008, 2014-2015*

*Membership Committee*

*2007-present*

*Treasurer*

*2009-2012*

*Finance & Development Committee*

*2009-2012*

*Executive Committee*

*2009-2013*

*Program Committee Chair*

*2012-2013*

*Editor-in-chief search committee for Biology of Sex Differences*

*2017*

**HONORS AND AWARDS:**

*Most Outstanding Graduate in Psychology*

*La Salle University*

*1992*

*Robert L. Thompson Award for Research and Academic Achievement*

*CUNY Biopsychology Doctoral Program*

*1998*

*Certificate of Appreciation*

*VA NJ Health Care System*

*2007*

*Service Award*

*VA NJ Health Care System*

*2010*

*Johnson Space Center Group Achievement Award*

*National Aeronautics Space Administration*

*2015*

*Department of Veterans Affairs, Veterans Service Integrative Network 3*

*Leadership Development Program Graduate*

*2016*

*Federal Executive Board (Northern New Jersey Chapter)*

*Professional Employee Award*

*2016*

*Certificate of Appreciation – supervisor for a workgroup reporting 90th percentile for best places to work*

*VA NJ Health Care System*

*2022*

**BOARDS OF DIRECTORS/TRUSTEES POSITIONS:**

*Veterans Biomedical Research Institute (501c(3) NPC)*

*Board of Directors Member*

*2014-present*

*Interim President*

*2016*

*President*

*2016-present*

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

*Israel Science Foundation Grant Review Panel*

*External grant reviewer*

*2007*

*National Science Foundation – Integrative Organismal Systems Section*

*External grant reviewer*

*2009, 2011*

*National Aeronautics Space Administration*

*External grant reviewer*

*2015*

*Department of Veterans Affairs – Special Emphasis Panel (Shared Equipment)*

*Study Section Member*

*2015 – 2016*

*Department of Veterans Affairs – Intramural Scientist Eligibility Panel*

*Ad hoc Study Section Member*

*2016*

*National Institutes of Health – Study Section ZRG1 IFCN-L(02)*

*Ad hoc Study Section Member*

*2018*

*Department of Veterans Affairs – Study Section ZRD1 NURD-D (01)*

*Ad hoc Study Section Member*

*2018, 2019*

*National Institutes of Health – Study Section ZRG1 MDCN-B (55)*

*Study Section Member*

*2018*

*Department of Defense – CDMRP Study Section DMRDP*

*Study Section Member*

*2019*

*National Institutes of Health – Study Section ZRG1 MDCN-C (03)*

*Study Section Member*

*2019*

*Department of Defense – CDMRP Study Section MOMRP*

*Study Section Member*

*2020*

*Department of Veterans Affairs – Study Section ZRD1 MHB-B (01)*

*Ad hoc Study Section Member*

*2020*

*Department of Veterans Affairs – Study Section ZRD1 NUR-F (01)*

*Study Section Member*

*June 2021, Dec. 2021, Dec. 2022*

**SERVICE ON MAJOR COMMITTEES:**

A. International

B. National

*National Institute of Justice Community Acceptance Panel on Riot Control**Agents, 2007*

*NASA Decadal Review Working Group Panel: Reproduction and Space, 2013*

C. Medical School/University

*Rutgers University/VA New Jersey Health Care System Deans Committee, 2014-present*

*Rutgers Brain Health Institute, Search Committee: Motivation Neuroscience faculty 2016-2018*

*Rutgers Brain Health Institute, Search Committee: Addiction Research Center Director 2016-2021*

*Rutgers – VA Integration Workgroup 2018 – 2020*

*Rutgers – VA Addiction Focus Workgroup 2018 – 2020*

*Rutgers – VA Research Workgroup 2018 – 2020*

*RBHS Motivational and Affective Neuroscience Focus Area Working Group – 2022 – present*

*RBHS Neurodegeneration Neuroscience Focus Area Working Group – 2023 – present*

*RBHS BHI ARC Treatment Center Director search committee – 2022 – present*

*RBHS Strategic Plan for Research Implementation Committee – 2022 - 2023*

D. Hospital

*VANJHCS Institutional Animal Care and Use Committee, 2001-2006; 2008-present*

*VANJHCS Institutional Animal Care and Use Committee, Committee Chairman 2008–2009*

*VANJHCS Institutional Animal Care and Use Committee, Alternate Chairman 2013–2014*

*VANJHSC Research and Development Committee, 2004-2006, 2013-present*

*VANJHSC Research Safety Committee, 2010-present*

*VANJHCS Institutional Review Board, 2014–present*

*VANJHCS Radiation Safety Committee, 2014-present*

*VANJHCS Executive Committee of the Medical Staff, 2014-present*

E. Department

*Dept. of Neurology & Neurosciences Autism Research Working Group, 2011-2012*

F. Editorial Boards

*Frontiers in Behavioral Neuroscience, 2009-present, Associate Editor 2020-present*

*Experimental Neurology, special issue co-guest editor, 2013-2014*

*Neuroscience International, Associate Editor, 2014-present*

*Life Sciences, Associate Editor, 2016-2018*

G. *Ad hoc* Reviewer

*Behavioral and Brain Functions, 2006, 2014*

*Behavioural Brain Research, 2005, 2013*

*Behavioural Processes, 2009*

*Biological Psychiatry, 2005*

*Brain, Behavior, and Immunity, 2009-2014, 2023*

*Brain Research, 2009-2010*

*Brain Research Bulletin, 2010-2011*

*Comparative Medicine, 2010-2013*

*Computers in Biology and Medicine, 2006*

*Developmental Neuroscience, 2009-2012, 2016*

*Developmental Psychobiology, 2015*

*Ethnicity and Disease, 2009*

*European Journal of Neuroscience, 2005-2011*

*Frontiers in Behavioral Neuroscience, 2014-2022*

*Genes, Brain and Behavior, 2011*

*Gravitational and Space Research, 2013*

*Hippocampus, 2008*

*Hormones and Behavior, 2005-2012, 2015*

*Integrative Physiological and Behavioral Science, 2005*

*Journal of Neuroendocrinology, 2006*

*Journal of the American Association for Laboratory Science, 2007-2011, 2019 - 2022*

*Journal of Physical Education and Sport Management, 2013*

*Life Sciences, 2015-2018*

*Neurobiology of Learning and Memory, 2005-2010*

*Molecular Psychiatry, 2012-2013*

*Neuroscience, 2004-2008, 2013*

*Neuroscience Letters, 2007*

*Pharmacology, Biochemistry and Behavior, 2008*

*Physiology and Behavior, 2005, 2018*

*Progress in Neuro-Psychopharmacology & Biological Psychiatry, 2012*

*Psychiatry Research, 2009*

*Psychoneuroendocrinology, 2009*

*Psychophysiology, 2005*

*Stress, 2006-2012*

**SERVICE ON GRADUATE SCHOOL COMMITTEES:**

*Graduate Admissions Committee, Joint UMDNJ/NJIT Biomedical Engineering Doctoral Program: 2005-2008*

*Integrative Neuroscience Graduate Program Qualifying Exam committee: 2007, 2011*

*M.D. / Ph.D. Qualifying Exam Committee: K. Christian Donahue (2007)*

*Graduate Admissions Committee, Integrative Neuroscience Doctoral Program: 2009-2010*

*Ph.D. Qualifying Exam committees: Jacqueline Holloway (2008), Chunxue Zhou (2011), Miranda Johnson (2011), Meghan Caulfield (2011), Veronika Kariv (2013), Yaa Huber (2014), Aminat Saliu (2104), Paul Castellano (2014), Brianna Lutz (2014), Luyu Liu (2014), Ekta Kumari (2014), Jennifer Couret (2015), Kelsey Miller (2015), Danielle Gregor (2015), Nykia Walker (2015), Hoa Pham (2019), Tara Porfido (2019), Zahra Adahman (2020), Rachel Fasiczka (2021), Ayma Malik (2022), Hannah Lamont (2022), Sindu Sriramoji (2023)*

*Graduate Admissions Committee, Cell Biology, Neuroscience, and Physiology Track: 2010-2012 (Chair 2010-2012)*

*Cell Biology, Neuroscience, and Physiology Track Oversight Committee: 2010-2018*

*GSBS Recruitment Day Organization Committee: 2010-2012*

*Cell Biology, Neuroscience, and Physiology 2012 Class Track Advisor: 2012-2015*

*Ph.D. Dissertation Committees: Jacqueline Holloway (Neuro), Jony Sheynin (BME), Stacey Cifelli (Neuro), Meghan Caulfield (Neuro), Jennifer Catuzzi Fragale (CBNP track), Veronika Khariv (CBNP track), Yaa Haber (CBNP track), Daniel Gregor (CBNP track), Kevin Spiegler (MD/PhD program), Suraj Teegala (CBNP track), Dana Clausen (CBNP track), Victoria Stiritz (CBNP track)*

**SERVICE ON HOSPITAL COMMITTEES:**

**SERVICE TO THE COMMUNITY:**

**SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:**

**SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

**TEACHING RESPONSBILITIES:**

1. Lectures or Course Directorships

*Rutgers - New Jersey Medical School, Mind, Brain, and Behavior, Gross Brain I, II, III, 6 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Course Director (2008, 2010, 2013, 2015, 2016, 2018, 2020, 2021, 2023)*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Behavioral & Cognitive Neuroscience, Course Director (2014, 2015, 2017, 2019, 2020, 2021, 2022, 2023)*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Systems Neuroscience, Course Director (2018, 2019, 2020, 2021, 2022, 2023)*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Anxiety Disorders, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Learning and Memory Disorders, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Addiction, 3 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Cancer, 1.5 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Depression, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Neurobiology of Disease, Bipolar Disorder & Schizophrenia, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Systems Neuroscience, Behavioral Neuroendocrinology, 4 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Behavioral & Cognitive Neuroscience, Motivational Neuroscience, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Behavioral & Cognitive Neuroscience, Sex Differences in Motivation, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Behavioral & Cognitive Neuroscience, Human Cognitive Development, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Cell/Developmental Neuroscience, Development of Sexual Dimorphisms in the Nervous System, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Systems Neuroscience, Limbic System, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Systems Neuroscience, Introduction to Systems Neuroscience, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Behavioral & Cognitive Neuroscience, Neurobiology of Learning, 4 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Fundamentals in Neuroscience, Psychopharmacology, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Fundamentals in Neuroscience, Neurobiology of Learning & Memory, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Fundamentals in Neuroscience, Behavioral Neuroendocrinology, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Fundamentals in Neuroscience, Mental Illnesses, 2 hours*

*Rutgers - Graduate School of Biomedical Sciences (Newark), Fundamentals in Neuroscience, Gross Brain Lab, 4 hours*

1. Research Training

Post Doctoral Fellows:

*Joshua Stamos Ph.D. 2020-2023*

Pre Doctoral Students:

*Tara Tumminello M.S. 2002-2003 (Co-mentored with R. Servatius Ph.D. and R. Moldow Ph.D.)*

*Sarah Kelly M.S. 2003-2004 (Co-mentored with R. Servatius Ph.D. and R. Moldow Ph.D.)*

*Noelle Benz 2004-2005 (Co-mentored with R. Servatius Ph.D.)*

*Michelle Hsu B.S. 2004-2005 (Co-mentored with R. Servatius Ph.D.)*

*Jacqueline Holloway M.S. 2005-2006 (Co-mentored with R. Servatius Ph.D.)*

*Peter Amua-Quarshie 2005-2006 (Co-mentored with R. Servatius Ph.D.)*

*Thomas Ricart Ph.D. 2005- 2010 (Co-mentored with R. Servatius Ph.D.)*

*Tanya Edwards M.S. 2005-2007*

*Sherya Chakravarti 2005-2007*

*Paul William Ong B.S. 2005-2008*

*Michelle Wasserman M.S. 2008-2009*

*Amanda Agley B.S. 2009-2010*

*Stephanie J. Furst M.S. 2010-2013*

*Shane Mahabir M.S. 2011-2012*

*Stacey Subbie M.S. 2014-2015*

*Jennifer Catuzzi-Fragale Ph.D. 2011-2016*

*Katherine Stalnaker M.S. 2018-2019*

*Jacob Hanzes B.S. 2020 – 2022*

*Mihal Grinberg M.S. 2021-2023*

*Malky Bernath 2021 – pres.*

*Dana Clausen 2022 – pres.*

*Victoria Stiritz 2022 – pres.*

**CLINICAL RESPONSBILITIES:** *N/A*

**GRANT SUPPORT:**

1. Principal Investigator
   1. *Department of Veterans Affairs, CTBI: Traumatic brain injury-induced inflammation effects on cognitive evaluations and response inhibition: Mechanisms of increased risk for suicidality, 2020-2024, $1,278,418*
   2. *National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Role for glucose-inhibited orexin neurons in weight regain following dieting (R01), 2016-2022 (MPI V Routh), $1,517,762*
   3. *Department of Veterans Affairs, Volatile organic compound effects on brain and behavior, 2018-2020, $150,000*
   4. *Department of Veterans Affairs, Neuroinflammation and abnormal behavior following combined chemical exposures and bacterial infection, 2017-2019, $300,000*
   5. *Rutgers Brain Health Institute, Determining the relationship between opioid use and avoidance susceptibility (translational pilot grant), 2017-2018 (MPI M West), $40,000*
   6. *National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health & Human Development/National Institute on Aging, Annual meeting of the Organization for the Study of Sex Differences (R13), 2013, $13,000*
   7. *Department of Veterans Affairs, Neural mechanisms of extinction-resistant avoidance behavior, 2010-2014, $1,016,543*
   8. *Department of Defense: Defense Center of Excellence for Psychological Health and Traumatic Brain Injury, Opiate masking of stress-induced hypervigilance: The cause of delayed symptom presentation in PTSD, 2008-2010, $179,077*
   9. *Lockheed-Martin, Stress-induced deterrence through multisensory stimuli, 2005-2006, $95,200*
   10. *Department of Veterans Affairs, Ovarian hormone regulation of behavior following traumatic stress, 2005-2008, $547,400*
   11. *Department of Veterans Affairs, Interoceptive stressor conditioning: A model for Gulf War Illness, 2004-2006, $331,700*

B. Co-Investigator

*1. Department of Veterans Affairs, Reducing Gulf War-Induced Neurodegeneration by Modulation of Neuroinflammatory Pathways, 2022-2024, $290,800 (PI: B.A. Citron)*

*2. National Institutes of Health, Are mechanisms leading to FAD, SAD and age-associated cognitive decline similar? 2019-2025, $3,974,970 (PI: L. D’Adamio)*

*3. Department of Veterans Affairs, VA Career Development Award: Exercise and pharmacological LRRK2 inhibition for preventing PD, 2020-2025, $1,015,000 (PI: V. Delic)*

*4. Department of Veterans Affairs, SDR: Genomic analysis of blast tube induced TBI in mice, 2020-2024, $1,853,683 (PI: B.A. Citron)*

*5. Department of Veterans Affairs, Acquisition and expression of avoidance: Computational modeling and human studies, 2012-2016, $989,000 (PI: C.E. Myers)*

C. Pending

**PUBLICATIONS:**

A. Refereed Original Article in Journal

1. *Luine, V.N., Richards, S.T., Wu, V.Y., &* ***Beck, K.D.;*** *Estradiol enhances learning and memory in a spatial memory task and effects levels of monoaminergic neurotransmitters; Hormones and Behavior, 34, 149-162, 1998*
2. *Gogos, J.A., Santha, M., Takacs, Z.,* ***Beck, K.D.****, Luine, V., Lucas, L.R., Nadler, J.V., & Karayiourgou, M.; The gene encoding proline dehydrogenase modulates sensorimotor gating in mice; Nature Genetics, 21, 434-439, 1999*
3. ***Beck, K.D.*** *& Luine, V.N.; Food deprivation modulates chronic stress Effects on object recognition in male rats: Role of monoamines and amino acids; Brain Research, 830, 56-71, 1999*
4. *Perrotti, L.I.,* ***Beck, K.D.****, Luine, V.N., & Quinones, V.; Progesterone and cocaine administration affect serotonin in the medial prefrontal cortex of ovariectomized rats; Neuroscience Letters, 291, 155-158, 2000*
5. ***Beck, K.D.****, Zhu G., Beldowicz, D., Brennan, F.X., Ottenweller, J.E., Moldow, R.L., & Servatius, R.J.; Central nervous system effects from a peripherally acting cholinesterase inhibiting agent: Interaction with stress or genetics; Annals of the New York Academy of Science, 993, 310-314, 2001*
6. *Servatius, R. J., Brennan, F. X.,* ***Beck, K.D.****, Beldowicz, D., & Coyle-DiNorcia, K.; Stress facilitates acquisition of the classically conditioned eyeblink response at both long and short interstimulus intervals; Learning and Motivation, 32, 178-192, 2001*
7. *Moldow, R. L.,* ***Beck, K.D.****, Zhu, G., Beldowicz, D., Brennan, F. X., Ottenweller, J. E., & Servatius, R. J.; Pharmacological suppression of corticosterone secretion in response to a physical stressor does not prevent the delayed persistent increase in circulating basal corticosterone concentration; Stress, 4, 137-141, 2001*
8. ***Beck, K.D.****, Brennan, F.X., & Servatius, R.J.; Effects of stress on nonassociative learning processes in male and female rats; Integrative Physiological and Behavioral Science, 37, 128-139, 2002*
9. ***Beck, K.D.*** *& Luine, V.N.; Sex differences in behavioral and neurochemical profiles after chronic stress: Role of housing conditions; Physiology and Behavior, 75, 661-673, 2002*
10. *Servatius, R.J. &* ***Beck, K.D.;*** *Facilitated acquisition of the classically conditioned eyeblink response in male rats after systemic IL-1*β*; Integrative Physiological and Behavioral Science, 38, 169-178, 2003*
11. ***Beck, K.D.*** *& Servatius, R.J.; Stress and cytokine effects on learning: What does sex have to do with it?; Integrative Physiological and Behavioral Science, 38, 179-188, 2003*
12. *Brennan, F.X.,* ***Beck, K.D.*** *& Servatius, R.J.; Low doses of interleukin-1*β *improve the leverpress avoidance performance of Sprague-Dawley rats; Neurobiology of Learning & Memory, 80, 172-175, 2003*
13. ***Beck, K.D.****, Brennan, F.X., Moldow, R.L., Ottenweller, J.E., Zhu, G., & Servatius, R.J. ; Stress interacts with peripheral cholinesterase inhibitors to cause central nervous system effects; Life Sciences, 73, 41-51, 2003*
14. *Brennan, F.X.,* ***Beck, K.D.****, & Servatius, R.J. ; Leverpress escape/avoidance performance in rats: Safety signal length and avoidance performance; Integrative Physiological and Behavioral Science, 38, 36-44, 2003*
15. *Brennan, F.X.,* ***Beck, K.D.****, & Servatius, R.J.; Proinflammatory cytokines differentially affect leverpress avoidance acquisition in rats; Behavioural Brain Research, 153, 351-355, 2004*
16. *Albeck, D.S.,* ***Beck, K.D.,*** *Kung, L.-H., Sano, K., & Brennan, F.X; Leverpress escape/avoidance training increases neurotrophin levels in rat brain; Integrative Physiological and Behavioral Science, 40, 28-34, 2005*
17. ***Beck, K.D.*** *& Servatius, R.J.; Stress-induced reductions of sensory reactivity in female rats depend on ovarian hormones and the application of a painful stressor; Hormones and Behavior, 47, 532-539, 2005*
18. *Moldow, R.L.,* ***Beck, K.D.****, Weaver, S., & Servatius, R.J.; Blockage of the Glucocorticoid but not the mineralocorticoid receptor prevents the delayed persistent increase in circulating basal corticosterone concentration following stress in the rat; Neuroscience Letters, 374, 25-28, 2005*
19. *Servatius, R.J.,* ***Beck, K.D.****, Moldow, R.L., Salameh, G., Tumminello, T., & Short, K.R.; Stress-induced anxious state in male rats: Simulation by corticotrophin releasing hormone; Biological Psychiatry, 57, 865-872, 2005*
20. *Servatius, R.J. &* ***Beck, K.D;*** *Mild interoceptive stressors affect learning and reactivity to contextual cues: Toward understanding the development of unexplained illnesses; Neuropsychopharmacology, 30, 1483-1491, 2005*
21. *Brennan, F. X.,* ***Beck, K. D.****, Ross, R. J., & Servatius, R. J.; Stress-induced increases in avoidance responding: A model for PTSD Behavior?; Neuropsychiatric Disease and Treatment, 1, 69-72, 2005*
22. ***Beck, K.D.****, Hsu, M., Jiao, X., & Servatius, R.J.; Cholinergic overstimulation supports conditioned-facilitated startle but not conditioned hyperalgesia; Pharmacology, Biochemistry & Behavior, 84, 400-405, 2006*
23. ***Beck, K.D.*** *& Servatius R.J.; Interleukin-1β as a mechanism for stress-induced startle suppression in females; Annals of the New York Academy of Sciences, 1071, 534-537, 2006*
24. *Brennan, F. X.,* ***Beck, K. D.****, & Servatius, R. J.; Predator odor exposure facilitates acquisition of a leverpress avoidance response in rats; Neuropsychiatric Disease and Treatment, 2, 65-69, 2006*
25. *Ponzio, N.M., Servatius, R.,* ***Beck, K.****, Marzouk, A., & Kreider, T.; Cytokine levels during pregnancy influence immunological profiles and neurobehavioral patterns of the offspring; Annals of the New York Academy of Sciences, 1107, 118-128, 2007*
26. *Woodruff-Pak, D.S., Tobia, M.J., Jiao, X.,* ***Beck, K.D.****, & Servatius, R.J.; Preclinical investigation of the functional effects of Memantine and Memantine combined with Galantamine and Donepezil; Neuropsychopharmacology, 32, 1284-94, 2007*
27. ***Beck, K.D.****, McLaughlin, J., Bergen, M.T., Cominski, T.P., Moldow, R.L., & Servatius, R.J.; Facilitated acquisition of the classically conditioned eyeblink response in women taking oral contraceptives; Behavioural Pharmacology, 19, 821-828, 2008*
28. *Servatius, R.J., Jiao, X.,* ***Beck, K.D.****, Pang, K.C., & Minor, T.R.; Rapid avoidance acquisition in Wistar-Kyoto rats; Behavioural Brain Research, 192, 191-197, 2008*
29. *Alvarez, T.L.,* ***Beck, K.D.****, Ciuffreda, K.J., Chua, F.B., Daftari, A., DeMarco, R.M., Bergen, M.T., & Servatius, R.J.; Brief intermittent light stimulation disrupts saccadic oculomotor control; Ophthal. Physiol. Opt., 28, 354-364, 2008*
30. ***Beck, K.D.****, Jiao, X., Cominski, T.P., & Servatius, R.J.; Estrus cycle modifies the presentation of stress-induced startle suppression in female Sprague Dawley rats; Physiology and Behavior, 93, 1019-1023, 2008*
31. ***Beck, K.D.****, Jiao, X., Pang, K.C.H., & Servatius, R.J.; Vulnerability factors in anxiety determined through differences in active avoidance behavior; Progress in Neuro-Psychopharmacology & Biological Psychiatry, 34, 852-860, 2010*
32. ***Beck, K.D.****, Jiao, X., Ricart, T.M., Myers, C.E., Minor, T.R., Pang, K.C.H., & Servatius, R.J.; Vulnerability factors in anxiety: Strain and sex differences in the use of signals associated with non-threat during the acquisition and extinction of active-avoidance behavior; Progress in Neuro-Psychopharmacology & Biological Psychiatry, 35, 1659-1670, 2011*
33. *Jiao, X., Pang, K.C.H.,* ***Beck, K.D.****, Minor, T.R. & Servatius, R.J.; Avoidance perseveration during extinction training in Wistar-Kyoto rats: An interaction of innate vulnerability and stressor intensity; Behavioural Brain Research, 221, 98-107, 2011*
34. *Ricart, T.M., Jiao, X., Pang, K.C.H.,* ***Beck, K.D.****, & Servatius, R.J.; Classical and instrumental conditioning of eyeblink responses in Wistar-Kyoto and Sprague-Dawley rats; Behavioural Brain Research, 216. 414-418, 2011*
35. *Holloway, J.L.,* ***Beck, K.D.****, & Servatius, R.J.; Facilitated acquisition of the classically conditioned eyeblink response in females is augmented in those taking oral contraceptives; Behavioural Brain Research, 216. 301-307, 2011*
36. *Ricart, T.M., DeNiear, M.A., Jiao, X.,* ***Beck, K.D.****, Pang, K.C.H., & Servatius, R.J.; Deficient proactive interference of eyeblink conditioning in Wistar Kyoto rats; Behavioural Brain Research, 216. 59-65, 2011*
37. *Pang, K.C.H., Jiao, X., Sinha, S.,* ***Beck, K.D.****, & Servatius, R.J.; Damage of GABAergic neurons in the medial septum impairs spatial working memory and extinction of active avoidance: Effects on proactive interference; Hippocampus,21, 835-846, 2011*
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B. Books, Monographs and Chapters

1. *Luine, V.,* ***Beck, K.****, Bowman, R., & Kneavel, M.; Sex differences in chronic stress effects on cognitive function and brain neurochemistry; In: Neuroplasticity, Development, and Steroid Hormone Action; R. Handa, S. Hayashi, E. Terasawa, & M. Kawata eds.; 291-304; CRC Press, Boca Raton, Fl. 2002*
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3. *Ricart, T.M., Servatius, R.J. &* ***Beck, K.D.;*** *Acquisition of active avoidance behavior as a precursor to changes in general arousal in an animal model of PTSD; In: Post Traumatic Stress Disorders in a Global Context.; E. Ovuga ed. InTech (open access): Rijeka, Croatia. 73-96, 2012.*
4. ***Beck, K.D.*** *& Catuzzi, J.E.; Understanding the causes of reduced startle reactivity in stress-related mental disorders; In: New Insights into Anxiety Disorders; F. Durbano ed. InTech (open access): Rijeka, Croatia. 135-169, 2013.*

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C.Patents Held

D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications

1. Peer-Reviewed Reviews:
2. *Bowman, R.E.,* ***Beck, K.D.****, & Luine, V.N.; Chronic stress effects on memory: Sex differences in performance and monoaminergic activity; Hormones and Behavior, 43, 48-59, 2003*
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6. *Nemeth, C.L., Harrell, C.S,* ***Beck, K.D.*** *& Neigh G.N.; Not all depression is created equal: Sex interacts with disease to precipitate depression; Biology of Sex Differences, 4:8, DOI:10.1186/2042-6410-4-8, 2013.*
7. *Catuzzi, J.E. &* ***Beck, K.D.****; Anxiety vulnerability in women: A two-hit hypothesis; Experimental Neurology, 259C, 75-80. 2014.*
8. *Ronca, A.E., Baker, E.S., Bavendam, T.G.,* ***Beck, K.D.****, Miller, V.M., Tash, J.S., & Jenkins, M. Effects of sex and gender on adaptations to space: Reproductive Health; Journal of Women’s Health, 23(11), 967-974, doi:10.1089/jwh.2014.4915, 2014.*
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10. *Delic V.,* ***Beck, K.D****., Pang, K.C.H, Citron. B.A. Biological Links Between Traumatic Brain Injury and Parkinson's Disease. Acta Neuropathol Commun. 2020 Apr 7;8(1):45.* *doi: 10.1186/s40478-020-00924-7.*

E. Abstracts

Available upon request, over 100 meeting abstracts since 1996

F. Reports

##### **Beck, K.D.**, Brennan, F.X., Moldow, R.L., & Servatius, R.J.; Acute effects of infrasound exposure on rat behavior and EEG; Final Report for the Armament Research Development and Engineering Center, 2000

1. *Servatius, R.J.,* ***Beck, K.D.****, Brennan, F.X., Moldow, R.L.; Infrasound exposure effects on rat behavior and ECG; Final Report for the Armament Research Development and Engineering Center, 2000*
2. *Servatius, R.J.,* ***Beck, K.D.****, Brennan, F.X., & Moldow, R.L.; Infrasound exposure effects on cat behavior and EEG; Final Report for the Armament Research Development and Engineering Center, 2000*
3. ***Beck, K.D.****, Alvarez, T.L., & Servatius, R.J.; The effects of light and sound stimuli on targeting behavior; Final Report by the Stress and Motivated Behavior Institute for the Armament Research Development and Engineering Center, 2004*
4. ***Beck, K.D.****, Venkataramen, A., Jiao, X., Tumminello, T., DeMarco, R., & Servatius, R.J.; The effectiveness of specific low-frequency wave exposure as an interoceptive stressor in the rat; Final Report by the Stress and Motivated Behavior Institute for the Sandia National Laboratories, 2004*
5. ***Beck, K.D.****, VanMeenen, K., Servatius, R.J.; Sound distraction during group activities; Final Report by the Stress and Motivated Behavior Institute for the Armament Research Development and Engineering Center, 2007*
6. ***Beck, K.D.****, Zaccone E., Bell, B., & Servatius, R.J.; Health effects review and suggest sound exposure limits for acoustics research utilizing human subjects; Final Report by the Stress and Motivated Behavior Institute for Army Research Laboratory, Pennsylvania State University, 2007*
7. ***Beck, K.D.****, Furst, S.J., & Servatius, R.J.; Establishing safety standards for auditory stimuli; Final Report by the Stress and Motivated Behavior Institute for the Armament Research Development and Engineering Center, 2011*

**PRESENTATIONS:**

1. A. Scientific *(Basic Science)*:

“Unlocking the avoidant brain: Individual differences in prefrontal cortex functioning and extinction-resistant avoidance.” VA New Jersey Health Care System, Annual VA Research Week Symposium, May 2016

“Unlocking the avoidant brain: Individual differences in prefrontal cortex functioning and extinction-resistant avoidance.” VA New Jersey Health Care System, Annual Mental Health Symposium for Nursing, Jan 2016

1. “Suppression of sensory reactivity by cytokines: An unexplored mechanism of behavioral depression in females.” Annual Meeting of the Organization for the Study of Sex Differences, April 2013
2. “Is faster learning always beneficial? Sex differences in the acquisition of active avoidance responding.” Annual Meeting of the Pavlovian Society, September 2008

“Suppression through acoustics” Annual Meeting of the International Society for Optics and Photonics, April 2006

“Inescapable stress influences subsequent learning of coping responses in female rats”

Annual Meeting of the Pavlovian Society, September 2005

"Stress, Cytokines and Learning: What has Sex have to do with it?" Annual Meeting of the Pavlovian Society, October 2002