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Curriculum Vitae

Erica R. Glasper

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EDUCATION

| | | | |
|-----|------|---|---------------------------|
| BA | 2002 | Psychology/Biology (Minor) | Randolph-Macon College |
| MA | 2004 | Psychology | The Ohio State University |
| PhD | 2006 | Psychobiology and Behavioral Neuroscience | The Ohio State University |

PROFESSIONAL EXPERIENCE

| | | |
|---------------------|--------------|--|
| Postdoctoral Fellow | 2006-2011 | Princeton University, Department of Psychology and Neuroscience Institute, |
| Assistant Professor | 2011-present | University of Maryland, Department of Psychology |
| Guest Researcher | 2011-2014 | NIH, NIDA, Molecular Neurobiology Branch |
| Affiliate Faculty | 2013-present | University of Maryland, Department of Biology |

RESEARCH SUPPORT

Active

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| 2015-present | PI | UMD First-Year Innovation & Research Experience stream |
| 2015-present | PI | UMD Research and Scholarship Award: Determining the rewarding properties of offspring for fathers |
| 2014-present | Collaborator | NIH NRSA. Acute exercise and hippocampal plasticity |
| 2014-2015 | PI | UMD ADVANCE. Subsecond dopamine release in nucleus accumbens mediates reward-induced cognitive flexibility |
| 2013-present | Collaborator | NIH NRSA. Cortisol reactivity and observed parenting in mothers of children with ADHD. |

Completed

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| 2009-2011 | PI | NIH NIA. Rewarding experience and the aging brain. |
| 2007-2009 | PI | UNCF/Merck. Social interactions and hippocampal structural plasticity. |
| 2005-2006 | PI | NIH NINDS. Sociobiological influences on poststroke immune function |

HONORS AND FELLOWSHIPS

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| 2013-2014 | Advancing Faculty Diversity Fellow, University of Maryland |
| 2010-2011 | Faculty of 1000, Associate Faculty Member, Physiology Neural Homeostasis Section |
| 2010 | Society for Behavioral Neuroendocrinology, Young Investigator Award |
| 2007-2008 | Diversity Programs in Neuroscience, APA Postdoctoral Fellowship (declined) |
| 2005-2006 | Society for Neuroscience, Neuroscience Scholars Travel Fellowship |
| 2005 | Psychoneuroimmunological Research Society, Trainee Travel Award |

PROFESSIONAL SOCIETY MEMBERSHIPS

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|--------------|---|
| 2013-2014 | Association for Psychological Science |
| 2005-present | Society for Behavioral Endocrinology |
| 2005-2006 | Psychoneuroimmunological Research Society |
| 2003-present | Society for Neuroscience |

JOURNAL REVIEW

Behavioral and Brain Functions; Behavioral Brain Research; Biology of Sex Differences; Brain, Behavior, and Immunity; Canadian Journal of Physiology and Pharmacology; Current Alzheimer Research; Hippocampus; Hormones and Behavior; Molecular and Cellular Biology; Neuroscience; Neuroscience Letters; Physiology and Behavior

PEER REVIEWED PUBLICATIONS (* undergraduate student author; #graduate student author)

- Glasper, ER, #Hyer, MM, *Katakam, J, *Harper, R, *Ameri, C. (under review). Fatherhood contributes to increased hippocampal spine density and anxiety regulation in California mice, *Hippocampus*.
- Glasper, ER, LaMarca, EA, Bocarsly, M, Fasolino, M, Gould E. (revise and resubmit). Sexual experience enhances cognitive flexibility and dendritic spine density in the medial prefrontal cortex, *Neurobiology of Learning and Memory*.
- Nemeth, CL, Glasper, ER, Harrell, CS, Malviya, SA, Otis, JS, Neigh, GN. (2014). Meloxicam blocks neuroinflammation, but not depressive-like behaviors, in HIV-1 transgenic female rats. *PLoS ONE*, e108399.
- Bourke, CH, Glasper, ER, Neigh, GN. (2014). SSRI or CRF antagonism partially ameliorates depressive-like behavior after adolescent social defeat. *Behavioural Brain Research*, 270:295-9.
- Glasper, ER, Gould, E. (2013). Rewarding experience restores structure and function of the hippocampus in aging rodents, *Hippocampus*, 23(4):303-12.
- Glasper, ER, Schoenfeld, TJ, Gould E. (2012). Adult neurogenesis: optimizing hippocampal function to suit the environment, *Behavioral Brain Research*, 227(2): 380-383.
- Glasper, ER, Kozorovitskiy, Y, Pavlic, A, Gould E. (2011). Paternal experience suppresses adult neurogenesis without altering hippocampal function in *Peromyscus californicus*, *Journal of Comparative Neurology*, 519(11): 2271-2281.
- Leuner, B, Glasper, ER, Gould, E. (2010). Parenting and plasticity, *Trends in Neurosciences*, 33(10): 465-473.
- Leuner, B, Glasper, ER, Gould, E. (2010). Sexual experience promotes adult neurogenesis in the hippocampus despite an initial elevation in stress hormones, *PLoS One*, 5(7): e11597.
- Glasper, ER*, Llorens, M*, Leuner, B, Torres-Aleman, I, Gould, E, Trejo, JL. (2010). Blockade of insulin-like growth factor-I has complex effects on structural plasticity in the hippocampus, *Hippocampus*, 20(6): 706-712. *equal authorship
- Leuner, B, Glasper, ER, Gould, E. (2009). Thymidine analog methods produce variable results in studies of adult neurogenesis, *Journal of Comparative Neurology*, 517(2): 123-133.
- Leuner, B, Glasper, ER, Mirescu, C. (2007). A critical time for new neurons in the adult hippocampus, *Journal of Neuroscience*, 27(22): 5845-5846.
- Neigh, GN, Karelina, K, Glasper, ER, Bowers, SL, Zhang, N, Popovich, PG, DeVries, AC. (2009). Anxiety following cardiac arrest/ cardiopulmonary resuscitation: exacerbated by stress and prevented by minocycline. *Stroke*, 40(11): 3601-3607.
- Neigh, GN, Karelina, K, Zhang, N, Glasper, ER, Plotsky, PM, Nemeroff, CB, DeVries, AC. (2009). Cardiac arrest and cardiopulmonary resuscitation increases CRF R1 receptor binding and alters HPA axis responsivity, *Journal of Cerebral Blood Flow and Metabolism*, 29(10): 1673-1682.
- Quach, TT, Glasper, ER, DeVries, AC, Honnorat, J, Kolattukudy, PE, Duchemin, AM. (2008). Altered prepulse inhibition in mice with dendrite abnormalities of hippocampal neurons, *Molecular Psychiatry*, 13(7): 656-658.
- Quach, TT, Massicotte, G, Belin, MF, Honnorat, J, Glasper, ER, DeVries, AC, Jakeman, LB, Baudry, M, Duchemin, AM, & Kolattukudy, PE. (2007). CRMP3 is required for hippocampal CA1 dendritic organization and plasticity. *FASEB*, 22(2): 401-409. PMC2268618
- DeVries, AC, Craft, TK, Glasper, ER, Neigh, GN, Alexander, JK. (2007). 2006 Curt P. Richter award winner: Social influences on stress responses and health. *Psychoneuroendocrinology*, 32(6): 587-603.
- Neigh, GN, Glasper, ER, Nemeroff, CB, Owens, MW, Plotsky, PM, & DeVries, AC. (2006). Cardiac arrest and cardiopulmonary resuscitation increases CRF R1 receptor binding. *Frontiers in Neuroendocrinology*, 27(1): 12-13.
- Craft, TKS, Zhang, N, Glasper, ER, Hurn, PD, & DeVries, AC. (2006). Neonatal factors influence stroke outcome in adult mice. *Psychoneuroendocrinology*, 31(5): 601-613.
- Martin, LB 2nd, Glasper, ER, Nelson, RJ, & DeVries, AC. (2006). Prolonged separation delays wound healing in California mice, *Peromyscus californicus*. *Physiology and Behavior*, 87 (5): 837-841.

- Love, GA, McNamara, I, Morgan, M, Banks, M, Wightman, N, Glasper, ER, DeVries, AC, Torrey, N, Kinsley, C, & Lambert, KG. (2005). Maternal experience produces long lasting behavioral and neuroanatomical modifications in rat. *Behavioral Neuroscience*, 119(4): 1084-1096.
- Neigh, GN, Glasper, ER, Bilbo, SD, Traystman, R J, & DeVries, AC. (2005). Cardiac Arrest/Cardiopulmonary resuscitation augments cell-mediated immune function and transiently suppresses humoral immune function. *Journal of Cerebral Blood Flow & Metabolism*, 25(11): 1424-1432.
- Craft, TKS, Glasper, ER, McCullough, L, Zhang, N, Sugo, N, Otsuka, T, Hurn, PD, & DeVries, AC (2005). Social interaction improves stroke outcome. *Stroke*, 36(9): 2006-2011.
- Glasper, ER & DeVries, AC. (2005). Social structure influences effects of pair housing on wound healing. *Brain, Behavior, and Immunity*, 19(1): 61-68.
- Detillion, CE, Craft, TKS, Glasper, ER, Prendergast, BJ, & DeVries, AC. (2004). Social facilitation of wound healing. *Psychoneuroendocrinology*, 29(8): 1004-1011.
- Neigh, GN, Glasper, ER, Kofler, J, Traystman, RJ, Mervis, R, Bachstatter, A, & DeVries, AC. (2004). Cardiac arrest with cardiopulmonary resuscitation reduces dendritic spine density in CA1 pyramidal cells and selectively alters acquisition of spatial memory. *European Journal of Neuroscience*, 20(7): 1865-1872.
- DeVries, AC, Glasper, ER, & Detillion, CE. (2003). Social modulation of stress responses. *Physiology and Behavior*, 79(3): 399-407.

CHAPTERS

- Glasper, ER, Morton, JC, Gould, E. (2010). In G. Koob, M. Le Moal, and R. Thompson (Ed.), *Synaptic plasticity: Environmental Influences on Adult Neurogenesis*. Encyclopedia of Behavioral Neuroscience. Oxford: Academic Press.

BOOK REVIEWS

- Glasper, ER, Leuner, B, Gould E. (2008). Adult neurogenesis finds its niche, *Nature Neuroscience*, 11(7): 731.

TEACHING EXPERIENCE

- Foundational Readings (NACS640), Program in Neuroscience and Cognitive Science
 Topics in Neuroscience Seminar (PSYC409), Psychology Department
 Hormones and Behavior (PSYC489G/PSYC798B), Psychology Department
 Neuroplasticity (PSYC789B), Psychology Department

INSTITUTIONAL SERVICE

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| 2014-present | Sustainable/Green Labs Program, Office of Sustainability |
| 2014-present | Research Council, Office of the Vice President |
| 2013-present | Diversity Committee, Department of Psychology |
| 2013-present | Diversity Recruitment Committee, BSOS |
| 2012-present | Faculty Advisor, Minor in Neuroscience, Department of Psychology |
| 2012-2013 | Social Psychology Faculty Recruitment Committee |
| 2011-2014 | Graduate Admissions Committee, Program in Neuroscience and Cognitive Science |

NATIONAL SERVICE

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| 2014 | Panelist, Activation, Neural Systems Cluster, NSF |
| 2012-present | Speaker, Association of Underrepresented Minority Fellows, Diversity in Science Speakers Bureau |
| 2012-present | Ad-hoc Reviewer, NSF |
| 2012 | Panelist, Modulation II, Neural Systems Cluster, NSF |
| 2011 | External Reviewer, Early Faculty Development (CAREER) Program, NSF |
| 2011 | Mentor, Society for Behavioral Neuroendocrinology, NSF Summer Research Program |
| 2007-2008 | Training Advisory Committee, APA Diversity Program in Neuroscience |
| 2005-2008 | Committee for Diversity in Neuroscience, Society for Neuroscience |

INVITED TALKS

- 2015 Society for Behavioral Neuroendocrinology, *Offspring drive neuroplasticity of the paternal brain: tales from the California mouse*
- 2014 Center for Children, Relationships, and Culture, University of Maryland, *Fathers matter too: Father/offspring interactions drive hippocampal plasticity.*
- 2014 Department of Biology, University of Maryland, *Paternal behavior and hippocampal plasticity.*
- 2013 Krasnow Institute for Advanced Study, George Mason University, *Fatherhood and plasticity.*
- 2012 Developmental Psychology Seminar, University of Maryland, *Fatherhood and plasticity.*
- 2012 Randolph-Macon College, *Reflections.*
- 2012 Clinical Psychology Program, Howard University, *Rewarding experiences alter hippocampal structure and function.*
- 2012 Department of Physiology, Emory University Medical School, *Rewarding experiences alter hippocampal structure and function.*
- 2011 Intramural Research Program, Molecular Neurobiology Research Branch, National Institute on Drug Abuse, *Rewarding experiences alter hippocampal structure and function.*

STUDENT ADVISING

Ph.D. Students

2012-present Molly Hyer, Program in Neuroscience and Cognitive Science

Ph.D. students conducting research projects in my lab

2014-present Andrew Venezia, Program in Neuroscience and Cognitive Science

2013-present Sharon Thomas, Department of Psychology (Clinical)

Masters Students

2012-2014 Shannon Sanders Williams, Program in Neuroscience and Cognitive Science

Undergraduate Students

2014-2015 Joseph Frankel, Kelley Gunther, Terrance Hunter, Jhansi Katakam, Collin Kaufman, Lex Matthews, Siddarth Plakkot, Eileen Ser, Melanie Shapiro, Andrew Shaw, Peter Weng, Danielle Wilkin, Linhan Xu

2013-2014 Joseph Frankel, Kelley Gunther, Robyn Harper (UNCF/Merck Fellow), Terrence Hunter, Neda Ilieva, Jhanis Katakam, Nathan Luke, Lex Matthews, Siddarth Plakkot, Eileen Ser, Melanie Shapiro, Andrew Shaw, Peter Weng, Danielle Wilkin, Linhan Xu

2012-2013 Monica Ashok (Biology Honors Thesis – Highest Honors), Jasmine Douglas, , Joseph Frankel, Kelley Gunther, Robyn Harper, Nathan Luke, Lex Matthews, Siddarth Plakkot, Eileen Ser, Melanie Shapiro, Andrew Shaw, Jane Suh, Peter Weng, Danielle Wilkin, Linhan Xu

2011-2012 Joseph Frankel, Kelley Gunther, Nathan Luke, Lex Matthews, Siddarth Plakkot, Eileen Ser, Melanie Shapiro, Andrew Shaw, Peter Weng, Danielle Wilkin, Linhan Xu

Student Committees

2014-2015 Sarah Blankenship, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee

Amanda Burton, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee

Molly Hyer, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee

Clare Sengupta, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee

Ying Ying Tan, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee

Sharon Thomas, Department of Psychology (Clinical), Dissertation Defense Committee

Andrew Venezia, Program in Neuroscience and Cognitive Science, Dissertation Proposal Committee

- 2013-2014 Allison Arai, Department of Biology, Honors Thesis Committee
Andrew Venezia, Program in Neuroscience and Cognitive Science, Qualifying Exams Committee
Shannon Sanders, Program in Neuroscience and Cognitive Science, Masters Thesis Committee
Ying Ying Tan, Program in Neuroscience and Cognitive Science, First Year Committee
Team RITALIN, Gemstone Honors Program, Senior Thesis Committee
- 2012-2013 Monica Ashok, Department of Biology, Honors Thesis Committee
Molly Hyer, Program in Neuroscience and Cognitive Science, First Year Committee
Shannon Sanders, Program in Neuroscience and Cognitive Science, Qualifying Exam Committee
- 2011-201 Vanessa Medley, Department of Psychology, Comprehensive Exam Committee