

# WHITNEY S. LIVINGSTON

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## EDUCATION

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<b>MA</b>	<b>Utah State University</b> Psychology, Combined Clinical/Counseling	<b>August 2016-Present</b>
<b>BA</b>	<b>American University</b> Psychology, Awarded with honors, Cum Laude	<b>May 2014</b>

## HONORS AND AWARDS

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<b>Presidential Doctoral Research Fellow</b>		<b>2016-Present</b>
<b>National Institutes of Health (NIH) Intramural Research Training Award (IRTA)</b>	Clinical genomics and imaging with posttraumatic stress disorder (PTSD) and traumatic brain injury (TBI) patients	<b>2014-2016</b>
<b>Outstanding Poster Award at NIH Postbaccalaureate Poster Day</b>	Top 20% of presenters of 580 Postbaccalaureate IRTA Fellows at NIH	<b>2015</b>
<b>Dean's List Recipient, College of Arts and Sciences, American University</b>		<b>2011-2014</b>
<b>General Electric Scholarship Recipient</b>		<b>2010-2014</b>

## RESEARCH EXPERIENCE

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**Postbaccalaureate IRTA Fellow: Genomics and MRI with PTSD/TBI patients**      **Jan 2014-May 2016**  
Advisor: Jessica Gill, PhD

National Institutes of Health, National Institute of Nursing Research, Bethesda, MD

- Started as a research intern in January of 2014 and was asked to continue as a Postbaccalaureate IRTA Fellow, starting in June after graduation.
- Administer Stroop task to patients while they are in the MRI, prescreen patients for longitudinal TBI study, observe patient during Structured Clinical Interview for DSM Disorders (SCID), organize and record data for PTSD scales such as Clinician Administered PTSD Scale and PTSD Checklist Military Version, and collect and process blood and saliva.
- Collaborate with other NIH institutes and military research centers to publish journal articles, draft protocols, organize data, and perform statistical and genomic data analysis using statistical software, SPSS, and genomic data analysis software, Partek.
- Present at PTSD and TBI conferences, propose a novel TBI study, and mentor summer research fellows.

**Capstone: Trauma and PTSD**      **Aug 2013-May 2014**  
Advisor: Bryan Fantie, PhD  
American University, Washington, DC

- Hypothesis-driven conception and design of PTSD study. Completed coding of interactive drone operation simulation using SuperLab, culminating in a capstone research paper.

**Research Intern:** PTSD development following TBI in military personnel **Jan-May 2012**

Advisor: Connie Duncan, PhD

Walter Reed National Military Medical Center, Bethesda, MD

- Aided research assistants in practicing administration of the SCID, electroencephalography (EEG) and event-related brain potential (ERP) measures, compiled data using NeuroScan 2, organized testing material.

**Research Intern:** Research on suicide **Sep-Dec 2011**

Advisor: Alan Berman, PhD, ABPP

American Association of Suicidology, Washington, DC

- Investigated grade-school reports on suicide victims, compiled grant reviews for the Military Suicide Research Consortium, researched grant opportunities for three projects, and organized resumes for the AAS Psychological Autopsy Training.

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**CLINICAL EXPERIENCE**

**Peer Advisor:** Counseling undergraduate students **Jun 2013-May 2014**

Advisor: Alicia Mandac, MSW

College of Arts & Sciences, American University, Washington, DC

- Counseled students individually through difficult academic, living, and social circumstances, and connected them to resources that could provide support. Created advertisements for academic and social events centered on the improvement of student wellness.

**Direct Service Intern:** Counseling sex trafficked domestic minors **Sep-Dec 2013**

Advisor: Tina Frundt

Courtney's House, Washington, DC

- Worked one-on-one with underage survivors of domestic sex trafficking.
- Assisted group therapy discussions and worked with law enforcement to protect survivors.
- Organized logistics and supplies for four large events for survivors to receive emotional support and encourage strong self-esteem, as well as prepared four donation events for the survivors.

**Clinical Research Intern:** Neuropsychology lab on food conditioning **May-Aug 2012**

Advisor: Russell Poldrack, PhD

University of Texas, Austin, TX

- Consented participants, worked as a level 1 tech with an MRI machine, administered questionnaires and computer-run tasks for participants of conditioning study, wrote reviews of research studies using Scribe, and learned to program with Unix.

**Clinical Shadowing:** Shadowing clinical psychologists **May-Aug 2011**

Advisor: Richard Naugle, PhD

Cleveland Clinic, Cleveland, OH

- Interacted with pediatric and adult patients, attended meetings on epilepsy study, and shadowed psychologists such as Gerard Banez, PhD, and Margaret M. Richards, PhD.

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**TEACHING EXPERIENCE**

**Professional Mentorship of Undergraduate Summer Research Fellow** **Jun-Aug 2015**

National Institutes of Health

Whitney Livingston

Advised fellow on compiling a protocol, writing and presenting a poster, and collecting and organizing data.

**Psychoneuroimmunology Journal Club:** Mentored summer fellows on article review **Jun-Jul 2015**

Advisor: Anlys Olivera, PhD

National Institutes of Health

Mentored 17 NIH summer research fellows, presented psychoneuroimmunology research articles, and led discussions on analysis of research journal articles.

## LEADERSHIP/ COMMUNITY EXPERIENCE

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<i>Co-Chair</i> , NIH Postbaccalaureate Social Committee	Oct 2014-Feb 2016
<i>Panelist</i> , American University Psychology Club, “Finding a Job in Psychology”	Mar 2015
<i>Volunteer</i> , Warrior Canine Connection in Maryland	Aug 2014-Feb 2015
<i>Panelist</i> , American University Peer Advisors, “Occupations After College”	Mar 2015
<i>Member</i> , American University Psychology Club	Sep 2010-May 2014
<i>Member</i> , American University Eco-Sense Environmental Club	Sep 2010- May 2012
<i>Event Programmer</i> , American University Residence Hall Council	Jan-May 2011
<i>Volunteer</i> , DC Reading Partners	Aug 2010-May 2011
<i>Volunteer</i> , Cleveland Animal Protective League	Aug 2008-Jan 2012

## TRAININGS

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NIH, Introduction to the Principles and Practice of Clinical Research Course	Oct 2015-Mar 2016
NIH, Traumatic Brain Injury Rounds	Weekly, 2014-2016
NIH, Simoa Protein Analyzer Training	Aug 2015
NIH, The Ethical and Regulatory Aspects of Clinical Research Course	Oct-Nov 2014
NIH, SPSS Statistics Training	Oct 2014
NIH, Schizophrenia Clinical Rounds	Oct 2014

## POSTER PRESENTATIONS

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**Livingston, W.S.**, Lejbman, T., Olivera, A., French, L.M., Mysliwicz, V., Gill, J.M. (2015). *Peripheral Concentrations of Amyloid- $\beta$  and Tau are Increased in Military Personnel Who Sustain a Traumatic Brain Injury During Deployment*. Presented at National Institute of Nursing Research’s 30th Annual Symposium, Bethesda, MD. (10/13/15).

**Livingston, W.S.**, Gill, J.M., Cota, M.R., Destefano, J.L., Latour, L.L. (2015). *Evidence of Meningeal Injury Detected by Contrast Enhanced FLAIR Images and Differential Gene Expression*. Presented at NIH’s Postbac Poster Day, Bethesda, MD. (4/30/15). Awarded Outstanding Poster for this presentation.

**Livingston, W.S.**, Rusch, H.L., Nersesian, P.V., Baxter, T., Mysliwicz, V., Gill, J.M. (2015). *Improved Sleep in Military Personnel is Associated with Changes in the Expression of Inflammatory Genes and Improvement in Depression Symptoms*. Presented at the 10<sup>th</sup> Annual Amygdala, Stress and PTSD Conference: Of Mice and Man, Walter Reed National Military Medical Center, Bethesda, MD. (4/20/15).

**Livingston, W.S.**, Gill, J.M., Cota, M.R., Destefano, J.L., Latour, L.L. (2015). *Evidence of Meningeal Injury Detected by Contrast Enhanced FLAIR Images and Differential Gene Expression*. Poster presented at The National Capital Area Traumatic Brain Injury Research Symposium, Bethesda, MD. (3/3/15).

Rusch, H.L., Shvil, E., Szanton, S.L., **Livingston, W.S.**, Neria, Y., Gill, J.M. (2014). *Greater Mastery is Associated with Psychological Resistance and Recovery in Assaulted Women and Related to Maintenance of Physical Health*. Presented at the 2014 annual National Institute of Health Research Festival: The Era of the Brain, Bethesda, MD. (9/22/14).

**Livingston, W.S.**, Merchant-Borna, K., Lee, H., Guardado, P., Cashion, A., Wang, D., Bazarian, J.J., Gill, J.M. (2014). *Sports-Related Concussions Result in Reduced Expression of Inflammatory Cytokines and Increased Expression of Inflammatory Regulator Gene CCR2 during the Acute and Sub-Acute Period*. Presented at the 2014 National Advisory Council for Nursing Research, Bethesda, MD. (9/16/14).

## **PUBLISHED ABSTRACT**

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Gill, J., **Livingston, W.**, Latour, L. (2015). Meningeal Injury Detected by Contrast Enhanced Fluid Attenuated Inversion Recovery Images and Differential Gene Expression. *Journal of Neurotrauma*, 32, A-1-A 152.

## **ACKNOWLEDGMENT**

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Rusch, H.L., Guardado, P., Baxter, T., Mysliwiec, V., Gill, J.M. (2015). Improved Sleep Quality is Associated with Reductions in Depression and PTSD Arousal Symptoms and Increases in IGF-1 Concentrations. *Journal of Clinical Sleep Medicine*, 11, 615-623.

## **PUBLICATIONS**

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Martin, C., Kim, H., Yun, S., **Livingston, W.S.**, Fetta, J., Mysliwiec, V., Baxter, T., & Gill, J. (2016). Circulating miRNA associated with posttraumatic stress disorder in a cohort of military combat veterans. In review with Psychiatry Research.

**Livingston, W.S.**, Gill, J.M., Cota, M.R., Olivera, A., O'Keefe, J.L., Martin, C., & Latour, L.L. (2016). Differential gene expression associated with meningeal injury in acute mild traumatic brain injury. Accepted to Journal of Neurotrauma.

Gill, J., Merchant-Borna, K., Jeromin, A., **Livingston, W.S.**, & Bazarian, J. (2016). Acute plasma Tau relates to prolonged return to play after concussion. Accepted to Neurology.

Cho, Y.E., Latour, L.L., Kim, H., Turtzo, L.C., Olivera, A., **Livingston, W.S.**, Wang, D., Martin, C., Lai, C., Cashion, A., & Gill, J. (2016). Older age results in differential gene expression after mild traumatic brain injury and is linked to imaging differences at acute follow-up. *Frontiers in Aging Neuroscience*, 8, 168.

**Livingston, W.S.**, Rusch, H.L., Nersesian, P.V., Baxter, T., Mysliwiec, V., Gill, J.M. (2015). Improved sleep in military personnel is associated with changes in the expression of inflammatory genes and improvement in depression symptoms. *Frontiers in Psychiatry*, 6, 59.

Barr, T., **Livingston, W.**, Guardado, P., Baxter, T., Mysliwiec, V., Gill, J. (2015). Military personnel with traumatic brain injuries and insomnia have reductions in PTSD and improved perceived health following sleep restoration: A relationship moderated by inflammation. *Annual Review of Nursing Research, Special Issue on Traumatic Brain Injuries*, 33, 249-266.

Gill, J.M., Merchant-Borna, K., Lee, H., **Livingston, W.S.**, Olivera, A., Cashion, A., Wang, D., Bazarian, J.J. (2015). Sports-related concussion results in differential expression of inflammatory genes in peripheral blood during the acute and sub-acute period. *The Journal of Head Trauma Rehabilitation*, 31, 269-276.

Heinzelmann, M., Lee, H., Rak, H., **Livingston, W.**, Barr, T., Baxter, T., Scattergood-Keeper, L., Gill, J. (2014). Sleep restoration is associated with reduced plasma c-reactive protein and depression symptoms in military personnel with sleep disturbance after deployment. *Sleep Medicine*, 15, 1565-70.

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