

# CURRICULUM VITAE

Lucia Cavanagh, Ph.D.

## PERSONAL & CONTACT INFORMATION

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**Mailing Address:**

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**License:** Psychologist (California), PSY 31819

**Languages Spoken:** English, Spanish

## EDUCATION & TRAINING

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2018 – 2020

**Postdoctoral Fellowship**, Adult Neuropsychology and Cultural Neuropsychology  
UCLA Semel Institute for Neuroscience and Human Behavior  
University of California, Los Angeles, CA  
Preceptor: Robert Bilder, Ph.D., ABPP/CN

2018

**Doctor of Philosophy** (APA Accredited), Counseling Psychology  
University of Houston, Houston, TX  
Dissertation: *Autonomic nervous system dysregulation and addiction vulnerability in the African American community*  
Chair: Ezemenari Obasi, PhD

2017 – 2018

**Predocotoral Internship** (APA Accredited), Adult Neuropsychology Track  
UCLA Semel Institute for Neuroscience and Human Behavior  
University of California, Los Angeles, CA

2016

**Master of Education** (APA Accredited), Counseling  
University of Houston, Houston, TX  
Thesis: *Assessment of implicit cognition related to alcohol and its relation to intrapersonal motivation, impulsivity, and hazardous alcohol use*  
Chair: Ezemenari Obasi, PhD

2012

**Bachelor of Science**, Psychology  
**Bachelor of Arts**, English  
*Summa Cum Laude*  
University of Florida

## PROFESSIONAL POSITIONS

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2020-Present

**Clinical Neuropsychologist (Psychologist II)**  
Cultural Neuropsychology Program, Hispanic Neuropsychiatric Center of Excellence  
UCLA Semel Institute for Neuroscience and Human Behavior  
University of California, Los Angeles, CA

2020-Present

**Private Practice Neuropsychology Associate**

## **AWARDS AND HONORS**

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2019-2020	<b>Chief Fellow, UCLA Medical Psychological Assessment Center</b>
2012-2017	<b>Graduate Tuition Fellowship Award</b> , <i>Department of Psychological, Health &amp; Learning Sciences, University of Houston</i>
2014	<b>NIAAA/NIDA Early Career Travel Award</b>
2013	<b>Center for Teaching Excellence University Teaching Certificate</b> , <i>University of Houston</i>
2013-2015	<b>Graduate Travel Award</b> , <i>Department of Psychological, Health &amp; Learning Sciences, University of Houston</i>
2012	<b>Award of Excellence in Service</b> , <i>Alachua County Crisis Center</i>
2008 – 2012	<b>Florida Academic Merit Scholar</b> , full tuition support, <i>Florida Bright Futures Scholarship Program, University of Florida</i>

## **PROFESSIONAL ACTIVITIES**

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### **Appointed Leadership and Professional Service:**

2019 – 2020	<i>Chief Fellow and Practicum Committee Member, UCLA</i> Develop and manage the neuropsychology practicum program for MPAC, develop curriculum for Professional Development seminar, and assist with day-to-day clinic operations and administrative oversight
2015 – 2018	<i>Institutional Review Board member, Committee for the Protection of Human Subjects, University of Houston</i>
2013 – 2015	<i>Student representative, APA Division 17 Health Psychology Section</i>
2013 – 2014	<i>Vice-President, Educational Psychology Graduate Student Organization, University of Houston</i>

*Ad-Hoc Reviewer: International Journal of Stress Management, Psychological Services, Translational Issues in Psychological Science*

### **Teaching Assistantships:**

2012 – 2013	<i>HDFS 1300: Development of Contemporary Families</i> Department of Psychological, Health & Learning Sciences, University of Houston
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### **Invited Talks/Lectures:**

2019	<i>Development of the Structured History Protocol for Neuropsychology (SHiP-NP)</i> Neuropsychology Brown Bag Lunch, UCLA
2016	<i>Sleep disturbance and cognitive functioning</i> Neuropsychology Rounds, Baylor College of Medicine
2014	<i>Career applications in Health Psychology</i> Psychology Careers Course, University of Houston
2014	<i>Biobehavioral approaches to pain management</i> Department of Anesthesiology Residential Grand Rounds, University of Texas Medical Branch

## **CLINICAL EXPERIENCE**

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- 2017 – 2020 **UCLA SEMEL INSTITUTE FOR NEUROSCIENCE AND HUMAN BEHAVIOR, Los Angeles, CA**
- 2018 – 2020 **Medical Psychological Assessment Clinic (MPAC)**  
*Role:* Neuropsychology Postdoctoral Fellow  
*Supervisors:* Patricia Walshaw, Ph.D., Robert Bilder, Ph.D. ABPP/CN, Jeffrey Schaeffer, Ph.D. ABPP/CN, Xavier Cagigas, Ph.D. ABPP/CN, Paola Suarez, Ph.D., Susan Bookheimer, Ph.D., Diane Scheiner, Ph.D., Robert Tomaszewski, Ph.D., Maura Mitrushina, Ph.D. ABPP/CN, Heleya Rad, Psy.D., Linda Ercoli, Ph.D., Charles Hinkin, Ph.D. ABPP/CN, Steven Castellon, Ph.D., Karen Wilson, Ph.D., ABPP/CN, Nicholas Thaler, Ph.D. ABPP/CN  
*Duties:* Comprehensive neuropsychological and psychodiagnostic assessment with diverse and often medically complex cases (e.g., pre-surgical epilepsy, brain tumors, DBS, psychiatric disorders, moyamoya, dementia, traumatic brain injury, learning disabilities, etc.). Didactic training following the Division 40 and Houston guidelines for training in neuropsychology. Exposure to neurodiagnostic procedures including Wada testing, extra-operative grid mapping, and intra-operative brain mapping. Specialized training in clinical fMRI analysis for localizing language, motor, sensory, and visual functions.
- 2018 – 2020 **Cultural Neuropsychology Program (CNP) in the Hispanic Neuropsychiatric Center of Excellence (HNCE)**  
*Role:* Neuropsychology Postdoctoral Fellow  
*Supervisors:* Xavier Cagigas, Ph.D. ABPP/CN, Paola Suarez, Ph.D., Diomaris Safi, Ph.D., Carlos Saucedo, Ph.D. ABPP/CN, David Lechuga, Ph.D.  
*Duties:* Comprehensive neuropsychological and psychodiagnostic assessment for monolingual Spanish-speaking and bilingual (English/Spanish) patients. Training and supervision of doctoral students. Exposure to neurodiagnostic procedures including bilingual WADA testing and intra-operative brain mapping.
- 2017 – 2020 **Spanish-Speaking Psychosocial Clinic (SSPC)**  
*Role:* Postdoctoral Fellow and Predoctoral Intern  
*Supervisor:* Cynthia Telles, Ph.D.  
*Duties:* Outpatient psychotherapy services in English and Spanish for Hispanic/Latino adults. Participation in multidisciplinary weekly rounds.
- 2017 – 2018 **Medical Psychology Assessment Clinic and Cultural Neuropsychology Initiative**  
*Role:* Predoctoral Intern  
*Supervisors:* Patricia Walshaw, Ph.D., Robert Bilder, Ph.D. ABPP/CN, Jeffrey Schaeffer, Ph.D. ABPP/CN, Xavier Cagigas, Ph.D. ABPP/CN, Paola Suarez, Ph.D., Robert Tomaszewski, Ph.D., Steven Castellon, Ph.D., Roger Light, Ph.D., ABPP/CN, Nicholas Thaler, Ph.D. ABPP/CN, April Thames, Ph.D.  
*Activities:* Comprehensive neuropsychological and psychodiagnostic assessment service with a focus on adult and bilingual (English/Spanish) evaluations for diverse referral questions (e.g., pre-surgical cases, traumatic brain injury, neuropsychiatric disorders, neurodevelopmental disorders, etc.). Exposure to neurodiagnostic procedures including WADA testing, extra-operative grid mapping, and intra-operative brain mapping. Didactics relevant to clinical training. Program designed to meet Division 40 and Houston guidelines for training in neuropsychology.
- 2017 **Child and Adolescent Neurodevelopmental Clinic**  
*Role:* Predoctoral Intern  
*Supervisor:* Enjey Lin, Ph.D.

*Duties:* Outpatient intervention and assessment services for individuals with autism spectrum disorder, including participation in group intervention for young adults with ASD to enhance independent living skills.

2015 – 2016

**BAYLOR COLLEGE OF MEDICINE, Houston, TX**

**Neuropsychology Services**

*Role:* Doctoral practicum student

*Supervisors:* Jennifer Stinson, Ph.D., ABPP/CN, Adrianna Strutt, Ph.D., ABPP/CN, Michelle York, Ph.D. ABPP/CN

*Duties:* Bilingual (English/Spanish) outpatient comprehensive neuropsychological assessment for adult and geriatric patients in the Department of Neurology.

05/2016 – 09/2016

**FEDERAL DETENTION CENTER OF HOUSTON, Houston, TX**

**Psychology Service**

*Role:* Doctoral practicum student

*Supervisor:* Daniel Fox, Ph.D.

*Duties:* Therapy service with a diverse prison population (incl. violent offenders, HIV+, geriatrics, and ESL-speakers) within the Federal Bureau of Prisons. Conduct CBT- and emotion-focused individual psychotherapy, bilingual (English/Spanish) clinical intakes and brief psychological screenings, and manualized group psychotherapies for Drug Education and Basic Cognitive Skills.

09/2015 – 09/2016

**ZGALJARDIC PRIVATE NEUROPSYCHOLOGY PRACTICE, Texas City, TX**

*Role:* Doctoral practicum student

*Supervisor:* Dennis Zgaljardic, Ph.D., ABPP/CN

*Duties:* Outpatient comprehensive neuropsychological and psychodiagnostic assessment for adult and geriatric clients referred from state disability services.

08/2015 – 05/2015

**TRANSITIONAL LEARNING CENTER, Galveston, TX**

**Department of Neuropsychology**

*Role:* Doctoral practicum student

*Supervisor:* Dennis Zgaljardic, Ph.D., ABPP/CN

*Duties:* Neuropsychological assessment, cognitive rehabilitation, group and individual psychotherapy for adult and geriatric clients in a post-acute brain injury rehabilitation setting. Therapies employed CBT-focused interventions for managing psychological sequelae of brain injury (e.g., depression, anxiety, emotional regulation) and psychoeducation for mood management and disability adjustment.

07/2014 – 08/2015

**MICHAEL E. DEBAKEY VETERANS AFFAIRS MEDICAL CENTER,  
Houston, TX**

05/2015 – 08/2015

**Neuropsychology – Neurology Care Line**

*Role:* Doctoral practicum student

*Supervisor:* Robert Collins, Ph.D., ABPP/CN

*Duties:* Outpatient comprehensive neuropsychological testing, interpretation and integrated report writing for the Houston VA population. Inpatient neuropsychological evaluation for patients in the Epilepsy Long-term Monitoring Unit. Co-lead ACT-based group psychotherapy (3-4 members) for patients with epilepsy and/or PNES.

01/2015 – 05/2015

**Mental Health – Neuropsychology Clinic**

*Role:* Doctoral practicum student

*Supervisor:* Nick Wisdom, Ph.D., ABPP/CN

Training Activities: Outpatient comprehensive neuropsychological evaluation using a primarily flexible battery approach. Brief inpatient/bedside neuropsychological screening and capacity evaluations.

07/2014 – 12/2014

**PTSD Clinical Team**

*Role:* Doctoral practicum student

*Supervisor:* Williams, Ph.D, ABPP

*Duties:* Outpatient psychotherapy services with adult and geriatric veterans diagnosed with PTSD, including evidence-based individual psychotherapy (Prolonged Exposure and Cognitive Processing Therapy), PTSD and combat processing group therapy, and Mindfulness and Meditation group therapy

08/2013 – 05/2014

**UNIVERSITY OF TEXAS MEDICAL BRANCH, League City, TX**

**Department of Anesthesiology and Pain**

*Role:* Doctoral practicum student

*Supervisor:* Jeff Baker, Ph.D., ABPP

*Duties:* Outpatient psychodiagnostic and behavioral health assessment for adult and geriatric patients with chronic medical conditions in a hospital-affiliated multispecialty clinic. Brief intervention individual psychotherapy for pain management, treatment adherence, pre-/post-surgical transplant counseling, relaxation training, and health-related adjustment.

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**GRANT FUNDING**

2019

**National Academy for Neuropsychology (NAN) Clinical Research Grant**, Common Data Elements in Neuropsychology, \$15,000.

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**PEER-REVIEWED PUBLICATIONS**

Połczyńska, M. M., Beck, L. Kuhn, T., Benjamin, C. F., Ly, T., Japardi, K., **Cavanagh, L.**, Bookheimer, S. Y. (in press). Dominant anterior but not posterior tumors reduce fMRI estimates of language laterality. *Journal of Neurosurgery*.

**Cavanagh, L.**, & Obasi, E. M. (2020). The moderating role of coping style on chronic stress exposure and cardiovascular reactivity among African American emerging adults. *Prevention Science*, 1-10. <https://doi.org/10.1007/s11121-020-01141-3>

Obasi, E. M., Chen, T. A., **Cavanagh, L.**, Smith, B. K., Wilborn, K. A., McNeill, L. H., & Reitzel, L. R. (2020). Depression, perceived social control, and hypothalamic-pituitary-adrenal axis function in African-American adults. *Health Psychology*, 39(2), 107. <https://doi.org/10.1037/hea0000812>

Obasi, E. M., Shirtcliff, E. A., **Cavanagh, L.**, Ratliff, K. L., Pittman, D. M. & Brooks, J. J. (2017). Hypothalamic-pituitary-adrenal reactivity to acute stress: An investigation into the roles of perceived stress and family resources. *Prevention Science*, 18 (8). 923-931. <https://doi.org/10.1007/s11121-017-0759-3>

Obasi, E. M., Tackett, J. L., Shirtcliff, E. A. & **Cavanagh, L.** (2016). The effects of alcohol and cigarette consumption on Dehydroepiandrosterone (DHEA) in rural African Americans. *The Journal of Black Psychology*, 43 (6). 588-607. <https://doi.org/10.1177/0095798416665742>

- Obasi, E. M., **Cavanagh, L.**, Pittman, D. L. & Brooks, J. J. (2016). Effects of evaluative context in implicit cognitions associated with alcohol and violent behaviors. *Addictive Behaviors Reports*, 3. 48-65. <https://doi.org/10.1016/j.abrep.2016.04.003>
- Obasi, E. M., Brooks, J. J., & **Cavanagh, L.** (2015). The effect of psychological distress, negative cognitions, and expectancies on problem drinking: Exploring a growing problem among university students. *Behavior Modification*, 40 (1-2). 51-69. <https://doi.org/10.1177/0145445515601793>
- Obasi, E.M., Shirtcliff, E. A., Brody, G. H., MacKillop, J., Pittman, D.M., **Cavanagh, L.** & Philibert, R.A. (2015). The relationship between alcohol consumption, perceived stress, and CRHR1 genotype on the hypothalamic-pituitary-adrenal axis in rural African Americans. *Frontiers in Psychology*, 6: 832. <https://doi.org/10.3389/fpsyg.2015.00832>
- Cavanagh, L.** & Obasi, E. M. (2015). The moderating role of implicit alcohol-related cognitions in hazardous alcohol use. *Addiction Research and Theory*, 23 (5). 380-390. <https://dx.doi.org/10.1016/j.drugalcdep.2017.07.038>

## **BOOK CHAPTERS**

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- Baker, J. & **Cavanagh, L.** (2015). Mood disorders due to known medical conditions. Invited book chapter in Rodolfa, E., and Schaffer, J. (eds.) *A Student's Guide to Assessment and Diagnosis Using the ICD-10-CM: Psychological and Behavioral Conditions*. Washington, DC: American Psychological Association. ISBN: 978-1-4338-2093-9.
- Obasi, E. M, Wilborn, K., **Cavanagh, L.**, Ewune, E. & Yan, S. (2017). Neurobiology of Stress and Drug Use Vulnerability. Invited book chapter in J.M. Causadias, E.H. Telzer, & N.A. Gonzales, *The Handbook of Culture and Biology: Bridging Evolutionary Adaptation and Development*. West Sussex: Wiley. ISBN: 9781119181330.

## **PROFESSIONAL PRESENTATIONS**

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- Cavanagh, L.** (2020, February). Common data elements in precision neuropsychology. In R. Bilder (Chair), *Toward Precision Neuropsychology*. Symposium at the International Neuropsychological Society 2020 Annual Meeting, Denver, CO.
- Yañez J., Diaz-Santos M., Rodes E., **Cavanagh L.**, Suarez P.A., Miranda A.A., Cagigas X.E. (2019). Socially Responsible Neuropsychology (SRN) in Action: Assessment of a Highly Educated Bilingual Latina Older Adult. Poster presentation at the National Academy of Neuropsychology (NAN) Annual Conference 2019, San Diego, CA. \**Student Diversity Poster Award Winner*
- Díaz-Santos, M., Suarez, P., Cagigas, X., **Cavanagh, L.**, Yañez, J., Ramirez, E., Gracian, E. (2019). Cultural and Linguistic Competency Training from a Socially Responsible Neuropsychology (SRN) Model. Poster presentation at the American Psychological Association (APA) Annual Convention 2019, Chicago, IL.
- Díaz-Santos, M., **Cavanagh, L.**, Yañez, J., Ramirez, E., Gracian, E., Suarez, P., Cagigas, X. (2019). Cultural and Linguistic Competency Training in an SRN Framework: Perspectives from Trainees. Poster presentation. International Neuropsychological Society (INS) Annual Convention, Hispanic Neuropsychological Society (HNS) Section, New York, NY
- Cavanagh, L.**, Funes, C., Yañez, J., Cagigas, X., Suarez, P., Cultural Neuropsychology Initiative. (2018). El impacto del tratamiento de la apnea obstructiva del sueño en el pronóstico cognitivo: un caso

clínico [The impact of obstructive sleep apnea treatment in cognitive outcomes: A case study]. Poster presentation at X Congreso Internacional Cerebro-Mente de la Asociación Latinoamericana de Neuropsicología (ALAN), Guatemala City, Guatemala.

**Cavanagh, L.,** Mahmood, Z., Hammond, A., Kuhn, T.P., Nunez, R., & Thames, A.D. (2017). The impact of current leisure activities on cognitive and brain reserve among community-dwelling adults. Paper accepted for presentation at the INS Annual Meeting, Washington, DC.

Ewane, E., **Cavanagh, L.,** Wilborn, K.W., Yan, S., Christopher, K., & Obasi, E. M. (2017). Mediation of problem drinking vulnerability on psychological distress and negative behavioral outcomes. Poster presentation at the Annual APA Convention, Washington, DC.

**Cavanagh, L. &** Tran, J. (2017). An empirically-based continuum of care model of mental health among urban firefighters. Poster presentation at the Annual APA Convention, Washington, DC.

**Cavanagh, L.,** Wilborn, K.W., Ewane, E., Yan, S., Christopher, K., & Obasi, E. M. (2016). Psychosocial correlates of autonomic reactivity and drug use. Poster presentation at the Association for Psychological Sciences (APS) Annual Convention, Boston, MA.

**Cavanagh, L.,** Wilborn, K. Ewane, E. & Obasi, E. M. (2016). Diurnal cortisol regulation among African Americans: A path model for drug use and neighborhood violence. Poster presentation at the Annual APA Convention, Denver, CO.

**Cavanagh, L.,** Wilborn, K., Ewane, E., Yan, S. & Obasi, E. M (2016). Within-person coupling of changes in cortisol and DHEA in response to acute stress. Poster presentation at the Society for Prevention Research (SPR) Annual Meeting, San Francisco, CA.

Wilborn, K., **Cavanagh, L.,** Ewane, E., Yan, S. & Obasi, E. M. (2016). Relative reinforcing efficacy of alcohol among African-American young adults. Poster presentation at the Association for Psychological Science (APS) Annual Convention, Chicaco, IL.

Obasi, E. M., **Cavanagh, L.,** Forney, M., Regan, S. D., McNeill, L. H. & Reitzel, L. R. (2016) Associations between neighborhood tobacco retail outlet density and the Cortisol Awakening Response in Black adults. Poster presentation at the American Academy of Health Behaviors (AAHB) Annual Conference, Ponte Vedra, FL.

Reitzel, L. R., Washington, E. C., Smith, B. K., **Cavanagh, L.,** McNeill, L. H. & Obasi, E. M. (2016). Relationship between social status, depressive symptoms, and social control on Hypothalamic-Pituitary-Adrenal Axis functioning in African-American adults. Poster presentation at the AAHB Annual Conference, Ponte Vedra, FL.

Obasi, E. M., **Cavanagh, L.,** Ewane, E. & Yan, S. (2015). Impact of alcohol and cigarette smoking on stress physiology: An investigation into cancer risk behaviors in rural African Americans. Poster presentation at the Innovations in Cancer Prevention and Research Conference, Austin, TX.

Wisdom, N., Dunn, R., **Cavanagh L. &** Collins, R. (2015). Statistically combining self-report inventories in the identification of psychogenic non-epileptic events. Paper presentation at the National Academy of Neuropsychology Annual Conference, Austin, TX.

**Cavanagh, L.,** Ewane, E., Tolbert, M. & Obasi, E. M. (2015). Effects of evaluative context in implicit cognitions associated with alcohol and violent behaviors. Poster presentation at the Collaborative Perspectives on Addictions Annual Meeting, Baltimore, MD.

- Cavanagh, L.,** Ewane, E. & Tolbert, M. (2015). An investigation into implicit cognitions associated with Alcohol and Violence. Poster presentation at the annual Houston Symposium for Research in Education and Psychology, Houston, TX.
- Cavanagh, L.,** Campbell, M. T., Ratliff, K. L., Smith, B. K. & Obasi, E. M. (2014). The effects of alcohol and cigarette consumption on dehydroepiandrosterone (DHEA) in rural African Americans. Poster presentation at the APA Annual Convention, Washington, DC.
- Baker, J., **Cavanagh, L.** & Wells, D. (2014). Assessment and treatment of patients with chronic pain in an integrated care setting. Workshop presented at the Texas Psychological Association (TPA) Annual Convention, Dallas, TX.
- Cavanagh, L.,** Ratliff, K. L. & Obasi, E. M. (2013). Assessing relationships among implicit attitudes, individual differences, and reported alcohol consumption. Poster presentation at the APA Annual Convention, Honolulu, HI.
- Ratliff, K. L., **Cavanagh, L.** & Obasi, E. M. (2013). Effects of alcohol and drugs on the human stress response. Poster presentation at the APA Annual Convention, Honolulu, HI.
- Cavanagh, L.** (2013). Assessment of alcohol-related implicit cognition. Poster presentation at the Annual Houston Symposium for Research in Education and Psychology, Houston, TX.

## **RESEARCH EXPERIENCE**

- 2019 – Present      **NATIONAL NEUROPSYCHOLOGY NETWORK, UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA**  
*Principal Investigators:* Robert Bilder, Ph.D., Russel Bauer, Ph.D., Laura Umfleet, Ph.D., David Loring, Ph.D., Daniel Drane, Ph.D., Steven Riese, Ph.D.  
*Major projects:* National Neuropsychology Network (R01MH118514, PI: Bilder), Common Data Elements in Neuropsychology (NAN Clinical Research Grant, PI: Cavanagh)  
*Area(s) of focus:* Multi-site program for aggregating item-level neuropsychological test data at the point of testing into the NIH National Data Archives.  
*Duties:* Develop Structured History Protocol for Neuropsychology® (SHiP-NP) and facilitate its implementation across participating sites. Facilitate study implementation within the local clinic. Assist with development of other study materials and protocols.
- 2019 – 2020      **COLLABORATIVE NEUROPSYCHOLOGY DATABASE, UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA**  
*Principal Investigators:* Robert Bilder, Ph.D., Taylor Kuhn, Ph.D.  
*Area(s) of focus:* Development of a collaborative repository for item-level clinical neuropsychological test data.  
*Duties:* Assist with database development, project implementation, training and supervision of undergraduate research assistants.
- 2013 - 2017      **HWEMUDUA ADDICTIONS AND HEALTH DISPARITIES LAB, Department of Psychological, Health and Learning Sciences, University of Houston**  
*Principal Investigator:* Ezemenari M. Obasi, Ph.D.  
*Area(s) of focus:* Biopsychosocial and cultural determinants of health disparities, stress physiology and dysregulation, drug use vulnerability, implicit cognition.  
*Major projects:* Stress and drug use vulnerability in the African American Community (R01DA034739, PI: Obasi); Vulnerability to Drug Use and HIV: Advancing Prevention



for Rural African Americans (P30DA027827, PI: Brody); Stress and Drug Use Vulnerability in Rural African Americans (R03DA027481, PI: Obasi); Project Stress and Health (PI: Reitzel); Project FRESH AIR (PI: Reitzel).

*Duties:* Oversee operations of a Biosafety Level II Wet Lab, incl. quantitative analysis of human salivary ELISAs (e.g., cortisol, testosterone, DHEA and alpha-amylase) and multiplex ECL immunoassays (e.g., pro-inflammatory cytokines, vascular injury panels) for human serum; Database development; Recruitment and retention (3+ years) of participants from historically underrepresented groups; Implementation of experimental manipulations (e.g., social stress induction, double-blind alcohol administration); Multimethod data collection (incl. inflammatory, autonomic, neuroendocrine, cardiovascular, self-report, behavioral economic, and neurocognitive measures); Statistical analyses (SPSS, MPlus, R); Supervision of undergraduate research assistants.

2015 – 2016

**HOUSTON FIRE DEPARTMENT RESEARCH TEAM, Houston Fire Department Psychology Services, Houston, TX**

*Principal Investigators:* Jana Tran, Ph.D. and Sam Buser, Ph.D.

*Duties:* Collaborate on and develop novel research projects related to firefighter mental health outcomes. Continuum of care for firefighter mental health prevention; Crew continuity and safety outcomes; Suicide risk and alcohol dependence among firefighters; Psychometric validation and application of stress measures with emergency responders.

**ADDITIONAL TRAINING**

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2016	<b>Multiplex Electrochemiluminescence (ECL) assay for human serum &amp; plasma</b> MesoScale Discovery
2016	<b>Heart rate variability (HRV) and respiratory sinus arrhythmia (RSA) -- Fundamental analysis techniques</b> BIOPAC Systems, Inc.
2016	<b>Recording, analyzing and scripting Electrodermal Activity (EDA) data</b> BIOPAC Systems, Inc.
2016	<b>Nonviolent Crisis Intervention</b> Crisis Prevention Institute
2015	<b>Phlebotomy and venipuncture blood collection for human subjects</b> UT Health Science Center- San Antonio
2014	<b>Enzyme-linked immunosorbent assay (ELISA) of human salivary hormones</b> University of Houston
2013	<b>Application and Administration of the Computerized Diagnostic Interview Schedule (CDIS-IV)</b> University of Houston
2012	<b>Suicide Prevention and Emergency Intervention</b> Alachua County Crisis Center