
Elisabeth G. Vichaya

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Department of Psychology & Neuroscience
Baylor University
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EDUCATION

- 2007 – 2011 Ph.D. in Psychology – Behavioral & Cellular Neuroscience, Texas A&M University
Trained in the Psychoneuroimmunology Lab with Dr. Mary W. Meagher
Dissertation Title: *The Impact of Social Stress on Center Nervous System Inflammation and T cell Response to Theiler's Virus Infection*
- 2004 – 2007 M.S. in Psychology – Behavioral & Cellular Neuroscience, Texas A&M University
Trained in the Psychoneuroimmunology Lab with Dr. Mary W. Meagher
Thesis Title: *The Impact of Glial Inhibition on the Spinal Instrumental Learning Paradigm*
- 2000 – 2004 B.S. in Psychology and Religion (*Summa Cum Laude*), Wayland Baptist University

RESEARCH POSITIONS

- 2019 – present **Assistant Professor**, Department of Psychology & Neuroscience, Baylor University, Waco, Texas
- 2017 – 2019 **Instructor – Research Faculty**, Department of Symptom Research, University of Texas MD Anderson Cancer, Houston, Texas
- 2012 – 2017 **Postdoctoral Fellow** working with Dr. Robert Dantzer, Neuroimmunology Laboratory, Department of Symptom Research, University of Texas MD Anderson Cancer Center, Houston, TX
- 2011 – 2012 **Postdoctoral Fellow** working with Dr. Charles S. Cleeland, Department of Symptom Research, University of Texas MD Anderson Cancer Center, Houston, TX

PEER REVIEWED JOURNAL PUBLICATIONS

* Graduate Student Mentee; † Undergraduate Student Mentee

1. Barr, J., Walz, A., Restaino, A.C., Williamson, C.S., Amit, M., Barclay, S.M., **Vichaya, E.G.**, Spanos, W.C., Dantzer, R., Talbot, S., Vermeer, P.D. (2024). Tumor-infiltrating nerves functionally alter brain circuits and modulate behavior in a mouse model of head-and-neck cancer. *Elife*, 13: RP97916. PMID: 39302290.
2. Kusumo, L.E.*, Gilley-Connor, K.R.*, Johnson, M.†, Hall, G.M.†, Gillet, A.E.†, **Vichaya, E.G.** (2024). Hyperglycemia sensitizes female mice to stress-induced depressive-like behavior in an inflammation independent matter. *Psychoneuroendocrinology*. 169: 107151. PMID: 39098101.

3. Beaudry, A.G., Law, M.L., Gilley-Connor, K.R. *, Buley, H. *, Dungan, C.M., Nascimento, C.M.C., **Vichaya, E.G.**, Wiggs, M.P. (2024). Diet-induced obesity does not exacerbate cachexia in male mice bearing Lewis-Lung Carcinoma tumor. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*. 326(3): R254-65. PMID: 38252513.
4. McCready, R.G.†, Gilley, K.,R. *, Kusumo, L.E. †, Hall, G.M. †, **Vichaya, E.G.** (2023). Chronic stress exacerbates hyperglycemia-induced affective symptoms in male mice. *Neuroimmunomodulation*. 30: 302-14. PMID: 37852199.
5. **Vichaya, E.G.**, Darpolor, J.K. *, Gross, P.S., Molkentine, J.M., Vermeer, D.W., Vermeer, P., Lee, J.H., Taniguchi, C.M., Dantzer, R. (2023). Associative learning modulates the persistence of fatigue-like behavior in a murine model of cancer survivorship. *Brain Behav Immun*. 107: 296-304. PMID: 36323360.
6. **Vichaya, E.G.**, Ford, B.G., Molkentine, J.M., Taniguchi, C.M., West, A.P., Dantzer, R. (2021). Sex differences in the behavioral and immune responses of mice to tumor growth and cancer therapy. *Brain Behav Immun*. 98: 161-72. PMID: 34418499
7. Sullens, D.G., Gilley, K.* , Jensen, K., **Vichaya, E.G.**, Dolan, S.L., Sekeres, M.J. (2021). Social isolation induces hyperactivity and exploration in aged female mice. *PLOS ONE*. 16(2): e0245355. PMID: 33534853.
8. Casaril, A.M.* , **Vichaya, E.G.**, Rishi, M.R., Ford, B.G., Dantzer, R. (2021). Lipopolysaccharide does not alter behavioral response to successive negative contrast in mice. *Psychopharmacology*. 238(3): 691-7. PMID: 33410982.
9. **Vichaya, E.G.**, Ford, B.G., Quave, C.B.* , Rishi, M.R., Grossberg, A.J., Dantzer, R. (2020). Toll-like receptor 4 mediates the development of fatigue in the murine Lewis Lung Carcinoma model independently of activation of macrophages and microglia. *Psychoneuroendocrinology*, 122: 104874. PMID: 32979744.
10. Eley, J.G., Chadha, A.S., Quini, C., **Vichaya, E.G.**, Zhang, C., Davis, J., Sahoo, N., Waddell, J., Leiser, D., Dilmanian, F.A., Krishnan, S. (2020). Pilot study of neurological toxicity in mice after proton minibeam therapy. *Scientific Reports*, 10: 11368. PMID: 32647361.
11. **Vichaya, E.G.**, Malik, S., Sominsky, L., Ford, B.G., Spencer, S.J., Dantzer, R. (2020). Microglia depletion fails to abrogate inflammation-induced sickness in mice and rats. *J Neuroinflamm*. 17(1): 172. PMID: 32475344.
12. Grossberg, A.J., **Vichaya, E.G.**, Gross, P.S., Ford, B.G., Scott, K.A., Estrada, D., Vermeer, D.W., Vermeer, P., Dantzer, R. (2020). Interleukin 6-independent metabolic reprogramming as a driver of cancer-related fatigue. *Brain Behav Immun*. 88: 230-41. PMID: 3248555.
13. **Vichaya, E.G.**, Vermeer, D.W., Budac, D., Lee, A., Grossberg, A., Vermeer, P.D., Lee, J.H., Dantzer, R. (2019). Inhibition of indoleamine 2,3 dioxygenase does not improve cancer-related symptoms in a murine model of human papilloma virus-related head and neck cancer. *Int J Thryptophan Res*. 12: 1178646919872508. PMID: 31496720.
14. **Vichaya, E.G.**, Gross, P.S., Estrada, D.J., Cole, S.W., Grossberg, A.J., Evans, S.E., Tuvim, M.J., Dickey, B.F., Dantzer, R. (2019). Lipocalin-2 is dispensable in inflammation-induced sickness and depression-like behavior. *Psychopharmacology*. 12: eCollection. PMID: 30806746.
15. **Vichaya, E.G.**, Laumet, G., Christian, D.L., Grossberg, A.J., Estrada, D.J., Heijnen, C.J., Kavelaars, A., Dantzer, R. (2019). Motivational changes that develop in a mouse model of inflammation-induced depression are independent of indoleamine 2,3 dioxygenase. *Neuropsychopharmacology*. 44(2): 364-71. PMID: 29755330.
16. Madeo, M., Colbert, P.L., Vermeer, D.W., Lucido, B.A., **Vichaya, E.G.**, Grossberg, A.J., Cain, J.T., Muirhead, D., Rickel, A.P., Hong, Z., Spanos, W.C., Lee, J.H., Dantzer, R., Vermeer, P.D. (2018). Tumor-released exosomes induce tumor innervation. *Nature Communications*. 9(1): 4284. PMID: 30327461.
17. Lacourt, T.E., **Vichaya, E.G.**, Escalante, C., Manzullo, E.F., Gunn, B., Hess, K.R., Heijnen, C.J., Dantzer, R. (2018). An effort expenditure perspective on cancer-related fatigue. *Psychoneuroendocrinology*. 96: 109-117. PMID: 29929087.
18. **Vichaya, E.G.**, Dantzer, R. (2018). Inflammation-induced motivational changes: Perspective gained by

evaluating positive and negative valence systems. *Current Opinion in Behavioral Sciences*. 22: 90-95. PMID: 29888301.

19. Lacourt, T.E., **Vichaya, E.G.**, Chiu, G.S., Dantzer, R., Heijnen, C.J. (2018). The high costs of low-grade inflammation: persistent fatigue as a consequence of reduced cellular-energy availability and nonadaptive energy expenditure. *Frontiers in Behavioral Neuroscience*. 12: 78. PMID: 29755330.
20. Grossberg, A.G., **Vichaya, E.G.**, Christian, D.L., Molkentine, J.M., Vermeer, D., Gross, P., Vermeer, P., Lee, D.H., Dantzer, R. (2018). Fatigue in cancer patients develops independently of interleukin-1 signaling. *Cancer Research*. 78(3): 695-705. PMID: 29217760.
21. **Vichaya, E.G.**, Vermeer, D.W., Christian, D.L., Molkentine, J.M., Mason, K.A., Lee, J.H., Dantzer, R. (2017). Neuroimmune mechanisms of behavioral alterations in a syngeneic murine model of human papilloma virus-related head and neck cancer. *Psychoneuroendocrinology*. 79: 59-66. PMID: 28259044.
22. Chiu, G.S., Maj, M.A., Rizvi, S., Dantzer, R., **Vichaya, E.G.**, Laumet, G., Kavelaars, A., Heijnen, C.J. (2017). Pifithrin- μ prevents cisplatin-induced chemobrain by preserving neuronal mitochondrial function. *Cancer Research*. 77(3): 742-52. PMID: 27879267.
23. **Vichaya, E.G.**, Molkentine, J.M., Vermeer, D.W., Walker, A.K., Feng, R., Holder, G., Luu, K., Mason, R.M., Saligan, L., Heijnen, C.J., Kavelaars, A., Mason, K.A., Lee, J.H., Dantzer, R. (2016). Sickness behavior induced by cisplatin chemotherapy and radiotherapy in a murine head and neck cancer model is associate with altered mitochondrial gene expression. *Behavioural Brain Research*. 297: 241-250. PMID: 26475509.
24. Linsenbardt, H.R., Cook, J.L., Young, E.E., **Vichaya, E.G.**, Young, C.R., Reusser, N.M., Storts, R., Welsh, C.J., Meagher, M.W. (2015). Social disruption alters pain and cognition in an animal model of Multiple Sclerosis. *Journal of Neuroimmunology*. 288: 56-68. PMID: 26531695.
25. Mendoza, T.R., Wang, X.S., Willams, L.A., Shi, Q., **Vichaya, E.G.**, Dougherty, P.M., Thomas, S.K., Yucel, E., Bastida, C.C., Woodruff, J.F., and Cleeland, C.S. (2015). Measuring therapy-induced peripheral neuropathy: preliminary development and validation of the Treatment-induced Neuropathy Assessment Scale. *Journal of Pain*. 16(10): 1032-1043. PMID: 26210041.
26. **Vichaya, E.G.**, Chiu, G.S., Krukowski, K., Lacourt, T.E., Kavelaars, A., Dantzer, R., Heijnen, C.J., Walker, A.K. (2015). Mechanisms of chemotherapy-induced behavioral toxicities. *Frontiers in Neuroscience*, 9: 131. PMID: 25954147.
27. Kosturakis, A.K., He, Z., Li, Y., Boyette-Davis, J.A., Shah, N., Thomas, S.K., Zhang, H., **Vichaya, E.G.**, Wang, X.S., Wendelschafer-Crabb, G., Kennedy, W.R., Simone, D.A., Cleeland, C.S., Dougherty, P.M. (2014). Subclinical peripheral neuropathy in multiple myeloma patients prior to chemotherapy is correlated with decreased fingertip innervation density. *Journal of Clinical Oncology*, 32(28): 3156-3162. PMID: 25170640.
28. Fagundes, C., Jones, D., **Vichaya, E.G.**, Lu, C., Cleeland, C.S. (2014). Socioeconomic status is associated with depressive severity among patients with advanced non-small cell lung cancer: Treatment setting and minority status do not make a difference. *Journal of Thoracic Oncology*. 9(10): 1459-1463. PMID: 25170640.
29. **Vichaya, E.G.**, Hunt, S.C. *, Dantzer, R. (2014). Lipopolysaccharide reduces incentive motivation while boosting preference for high reward in mice. *Neuropsychopharmacology*, 39(12): 2884-2890. PMID: 24917202.
30. You, D.S., Creech, S.K., **Vichaya, E.G.**, Young, E.E., Smith, J.S., Meagher, M.W. (2014). Effect of Written Emotional Disclosure on Secondary Hyperalgesia in Women with Trauma History. *Psychosomatic Medicine*, 76(5): 337-346. PMID: 24911979.
31. Jones, D., **Vichaya, E.G.**, Cohen, L., Seema, T.M., Mendoza, T.R., Wang, X.S., Cleeland, C.S. (2013). Screening for Depressed Mood in Patients with Cancer Using the M. D. Anderson Symptom Inventory: Investigation of a Practical Approach for the Oncologist. *Journal of Oncology Practice*, 10(2): e95-102. PMID: 24281151.
32. Jones, D., **Vichaya, E.G.**, Wang, X.S., Sailors, M.H., Cleeland, C.S., Wefel, J.S. (2013). Acute Cognitive

Impairment in Patients with Multiple Myeloma Undergoing Autologous Hematopoietic Stem Cell Transplant. *Cancer*, 119(23), 4188-4195. PMID: 24105672.

33. **Vichaya, E.G.**, Wang, X.S., Boyette-Davis, J.A., Mendoza, T.R., He, Z., Thomas, S.K., Shah, N.D., Williams, L.A., Cleeland, C.S., Dougherty, P.M. (2013). Subclinical Pretreatment Sensory Deficits Appear to Predict the Development of Pain and Numbness in Patients with Multiple Myeloma undergoing Chemotherapy. *Cancer Chemotherapy and Pharmacology*, 71(6), 1531-1540. PMID: 23543296.
34. Jones, D., **Vichaya, E.G.**, Wang, X.S., Williams, L.A., Shah, N.D., Thomas, S.K., Johnson, V.E., Champlin, R.E., Cleeland, C.S., Mendoza, T.R. (2013). Validation of the M. D. Anderson Symptom Inventory Multiple Myeloma Module. *Journal of Hematology & Oncology*, 6(1), 80. PMID: 23384030.
35. Young, E.E., **Vichaya, E.G.**, Reusser, N.M., Cook, J.L., Welsh, C.J., Meagher, M.W. (2013). Chronic social Stress Disrupts Virus-Specific Adaptive Immunity during Acute Theiler's Virus Infection. *Journal of Neuroimmunology*, 254, 19-27. PMID: 23021485.
36. **Vichaya, E.G.**, Young, E.E., Frazier, M.A., Cook, J.L., Welsh, C.J., Meagher, M.W. (2011). Social Disruption Primes the Inflammatory Response to Theiler's Virus Infection. *Journal of Neuroimmunology*, 239, 44-52. PMID: 22000153.
37. Young, E.E., Sieve, A.N., **Vichaya, E.G.**, Carcoba, L.M., Ambrus, A., Storts, R., Welsh, T.H., Welsh, C.J.R., Meagher, M.W. (2010). Chronic Restraint Stress during Early Theiler's Virus Infection Exacerbates the Subsequent Demyelinating Disease in SJL Mice: II. CNS Disease Severity. *Journal of Neuroimmunology*, 220, 79-89. PMID: 20167380.
38. **Vichaya, E.G.**, Baumbauer, K.M., Carcoba, L.M., Grau, J.W., Meagher, M.W. (2009). Spinal Glia Modulate Both Adaptive and Pathological Processes. *Brain, Behavior, and Immunity*, 23, 969-976. PMID: 19435601.
39. Grimes, J.S., Creech, S.K., Young, E.E., **Vichaya, E.G.**, Meagher, M.W. (2009). Distraction Speeds the Decay of Fear-Induced Hyperalgesia: Evidence for the Contribution of Memorial Systems in Affective Pain Modulation. *Journal of Pain*, 10, 282-292. PMID: 19070552.
40. Meagher, M.W., Johnson, R.R., **Vichaya, E.G.**, Young, E.E., Lunt, S., Welsh, C.J. (2007). Social Conflict Exacerbates an Animal Model of Multiple Sclerosis. *Trauma, Violence & Abuse: A Review Journal*, 8(3), 314-330. PMID: 17596348.
41. Meagher, M.W., Johnson, R.R., Young, E.E., **Vichaya, E.G.**, Lunt, S., Harden, E., Connor, M., Welsh, C.J.R. (2007). IL-6 as a Mechanism for the Adverse Effects of Social Stress on Acute Theiler's Virus Infection. *Brain, Behavior, and Immunity*, 21, 1083-1095. PMID: 17591434.

PUBLISHED BOOK CHAPTERS

1. Dantzer, R., Casaril, A., **Vichaya, E.** (2021). Inflammation and Depression: Is Immunometabolism the Missing Link? (pp. 259-287). In M. Berk, M. Leboyer, and I.E. Sommer (eds) *Immuno-Psychiatry*. Springer. DOI: 10.1007/978-3-030-71229-7_16.
2. Meagher, M.W., Johnson, R.R., **Good, E.**, Welsh, C.J. (2006) Social stress alters the severity of an animal model of multiple sclerosis, (pp. 216-240). In C.J. Welsh, M.W. Meagher, and E. Sternberg (Eds) *Neural and neuroendocrine mechanisms in host defense and autoimmunity*. New York: Springer.
3. Meagher, M.W., Johnson, R.R., **Good, E.**, Welsh, C.J.R., (2006). Social stress alters the severity of a virally-initiated animal model of multiple sclerosis, (pp 1107-1124). In R. Ader, D. Felton, and N. Cohen (Eds) *Psychoneuroimmunology* (4th edition, Volume II). New York: Academic Press.

GRANTS

ONGOING

An investigation of hyperglycemia-induced region-specific changes in brain metabolism and behavior.

National Institute of Health (NIH) National Institute of Mental Health (NIMH)

Grant Number: R15-MH139094

Role: PI

Funding Period December 2024- December 2027

Award Amount: \$300,000

COMPLETED

Motivational basis of inflammation-induced depression.

NARSAD Distinguished Investigator Grant, 2017 (PI: R. Dantzer), 2018-2019, \$100,000.

Role: Collaborator

Funding Period: 2018 – 2019

Award Amount: \$100,000

Is fatigue during cancer survivorship a result of reduced cellular energy? Investigating mitochondrial function in relation to fatigue

University of Texas MD Anderson Cancer Survivorship Research Seed Money Grant

Role: PI

Funding Period: 2017 – 2019

Award Amount: \$50,000

Is objectively assessed activity deficits during survivorship a result of reduced cellular energy?

University of Texas MD Anderson Cancer Energy Balance Assessment Supplemental Funding

Role: PI

Funding Period: 2017 – 2018

Award Amount: \$5,000.

PROFESSIONAL TRAINING

- Early Career Reviewer Program
Description: I served as an early Career Reviewer on Behavioral Neuroendocrinology, Neuroimmunology, Rhythms and Sleep (BNRS) Study Section for Oct 2022
- Scientific Communication Advances Research Excellence (SCOARE) Workshop, July 2022
Description: 2-day (6 hour) workshop on mentoring students in scientific communication
- Summer Faculty Institute, June 2022, Baylor University
Description: One month course to explore the topics of teaching, research, and collegiality as a member of the Baylor faculty.
- Planning and Writing Successful Grant Proposals, Dr. Atkisson. Baylor University, January 2020.
Description: 2-days of workshops (~12 hours) on submitting NIH and NSF research grants.

- Research Mentor Training Workshop, Gulf Coast Consortium and NRMN, June 2019
Description: 1-day (6 hour) workshop on improving communication and expectations in mentorship along with fostering self-efficacy and independence of trainees.

TEACHING

Baylor University

- **Clinical Neuroscience** (NSC/PSY 4319): Fall 2019 – Fall 2023 (12 sections)
- **Biological Foundations of Behavior** (PYSY 5323): Fall 2020 – 2024 (5 sections)

Texas A&M University

- **Introduction to Psychology**: Fall 2008 - Fall 2009 (2 sections)

Guest Lectures:

- Responsible Conduct of Research: Animals/IACUC. (CHE 5101). Fall 2024
- Immunology: Neuroimmunology. Spring 2022, Spring 2023
- Special Topics/Psych: Writing your personal statement. (PSY 4V96). Fall 2022
- Evolutionary Medicine: Cancer. Fall 2021
- Psychoneuroimmunology: Use of animal models. Fall 2018
- Introduction to Psychology. Fall 2010
- Physiological Psychology. Spring 2009
- Health Psychology: Stress. Spring 2008, Spring 2010

UNIVERSITY SERVICE

Baylor University

- o Institutional Biosafety Committee (IBC), Fall 2023 – present
- o Department of Psychology & Neuroscience Undergraduate Neuroscience Curriculum Committee, Spring 2023 – present
- o Department of Psychology & Neuroscience Graduate Neuroscience Curriculum Committee, Spring 2023 – 2023
- o Department of Psychology & Neuroscience Strategic Hiring Committee, Fall 2022
- o Baylor Code Red Event, January 2022, January 2023
- o Animal Facility User Group, 2021 – present
- o Department of Psychology & Neuroscience Faculty Search Committee, Fall 2021
- o Invitation for Excellence Event, November 1, 2019

University of Texas MD Anderson Cancer Center

- o Faculty Academic Review Committee (FARC), 2018 – 2019
- o University of Texas MD Anderson Cancer Center Division of Internal Medicine Research Committee, 2012 – 2015

Texas A&M University

- o Master Plan Research Roadmap Committee, 2008 – 2009
- o Graduate Student Council, 2005 – 2006

PROFESSIONAL MEMBERSHIPS AND SERVICE

Professional Membership

- Psychoneuroimmunology Research Society
- Society for Neuroscience

Editorial Roles

- Board Member of Neuroimmunomodulation (impact factor: 2.8)
- Board Member of Brain Sciences (open access journal; impact factor: 2.7)

Ad hoc reviewer for various journals in my field (e.g., Brain, Behavior, and Immunity; Psychoneuroendocrinology; Journal of Neuroinflammation; Neuropsychopharmacology; Behavioural Brain Research; Brain Research; Neuroimmunomodulation)

NIH Study Section

- *ad hoc* member of an NIH National Cancer Institute Special Emphasis Review Panel – March 2024
- *ad hoc* member of NIH National Cancer Institute P01 Review Panel – August 2024

INVITED TALKS

Cancer-related fatigue: Looking beyond inflammation. University of Illinois Division of Nutritional Sciences (DNS). Urbana, IL. September 2023.

Mechanisms Underlying the Development and Persistence of Cancer-Related Fatigue. Cancer Research Brown Bag. Sanford Research, Sioux Falls, SD. June 28, 2023.

Mechanisms Underlying the Persistence of Cancer-Related Fatigue. Brain-Body-Interaction Virtual Seminar Series. May 23, 2023.

Introduction to Preclinical PsychoNeuroImmunology Research. Baylor Undergraduate Research in Science & Technology (BURST). November 2022.

Cancer Related Fatigue: from inflammation to metabolic dysfunction and habit formation. Graduate Student Seminar. Health, Human Performance, and Recreation (HHPR) at Baylor University. October 2022.

Preclinical Models of Cancer-Related Fatigue. University of Texas in Austin. Behavioral Neuroscience Seminar. November 2021.

Using preclinical models to understand the inflammatory, metabolic, and cognitive basis of cancer-related fatigue. University of Kansas Medical Center Department of Anatomy & Cell Biology Seminar. September 2021 [Zoom].

PsychoNeuroImmunology Introduction. Baylor Undergraduate Research in Science & Technology (BURST). April 2020 [Zoom].

Using a preclinical RDoC approach to understand inflammation-induced depression. 1st Annual GCC Mental Health Research Symposium, Houston, TX. May 2018.

SELECT CONFERENCE PROCEEDINGS

* Graduate Student Mentee; † Undergraduate Student Mentee

Upcoming: E.G. Vichaya. (2025). *Distinct behavioral profiles in response across models of neuroinflammation*. Psychoneuroimmunology Research Society. Bordeaux, France. (Talk)

Fowler, C.G.* , Rodriguez, R., Beaudry, A.G., Kusumo, L.E.* , Gillet, A.E. †, Wiggs, M.P., Law, M.L., **Vichaya, E.G.** (2024). *Using the murine Lewis Lung Cancer model to examine the impact of diet-induced obesity on tumor-associated neuroinflammation*. Society for Neuroscience, Chicago, IL. (Poster)

Kusumo, L.E.* , Bonner, R.L.†, Read, G.M.†, Fowler, C.G.* , **Vichaya, E.G.** (2024). *Investigating the antidepressant and anti-inflammatory effects of resveratrol in a mouse model of diabetes*. Society for Neuroscience, Chicago, IL. (Poster)

Vega, L. †, Gillet, A. †, Callies, J. †, Anderson, M. †, **Vichaya, E.G.** (2024). *Exploring the relationship between mtDNA content and cancer-related fatigue in a murine model*. Psychoneuroimmunology Research Society, Halifax, Canada. (Talk)

Callies, J. †, Tadiparthi, A. †, Gilley, K.* , **Vichaya, E.G.** (2023). *Using Analyze Skeleton ImageJ to measure GFAP sensitivity*. Gulf Coast Undergraduate Research Symposium. Houston, TX. (Talk by J. Callies)

Vega, L. †, Gillet, A. †, Callies, J. †, Anderson, M. †, **Vichaya, E.G.** (2023). *Exploring the relationship between mtDNA and fatigue in a murine tumor model*. McNair Research Conference, Waco, TX. (Poster & Talk by L. Vega)

Gilley, K.* , McCready, R. †, Kusumo, L. †, Hall, G. †, **Vichaya, E.G.** (2023). *A comparison of affective and neuroinflammatory responses to unpredictable chronic mild stress and chronic hyperglycemia in male C57BL/6 mice*. Psychoneuroimmunology Research Society, Boulder, CO. (Poster)

Magana, M.A., Beaudry, A.G., Gilley, K.* , Rodgers, H.* , **Vichaya, E.G.**, Law, M.L., Wiggs, M.P. (2023) *High-fat diet-induced obesity does not exacerbate muscle wasting in the LLC-induced mouse model of cancer cachexia*. Muscle Biology Conference, Gainesville, FL. (Poster).

Nascimento, C., Dugan, C.M., Beaudry, A.G., Gilley, K.* , Rodgers, H.* , **Vichaya, E.G.**, Law, M.L., Wiggs, M.P. (2023). *Gene expression analysis of the gastrocnemius following LLC-induced cachexia in obese mice*. Muscle Biology Conference, Gainesville, FL. (Poster).

Vichaya, E.G. (2022). *Exploring the effect of cisplatin-related fatigue on habit behavior*.

Psychoneuroimmunology Research Society Meeting, Zurich, Switzerland. (Member Sponsored Symposium)

Gilley, K.* , Rodgers, H.* , McCready, R.G. †, Kusumo, L.E. †, Hall, G.M. †, **Vichaya, E.G.** (2022). *The impact of hyperglycemia on cognitive and affective outcomes in mice*. Psychoneuroimmunology Research Society Zurich, Switzerland. (Poster)

Rodgers, H.* , Gilley, K.* , Sharma, P. †, Earagolla, S. †, Budries, C. †, Cole, D. †, Gibson, E. †, **Vichaya, E.G.** (2022). *Maternal immune activation attenuates cisplatin-induced fatigue-like behavior in female offspring*. Psychoneuroimmunology Research Society Zurich, Switzerland. (Poster)

Rodgers, H.* , Gilley, K.* , Sharma, P. †, Castro, E. †, Cole, D. †, **Vichaya, E.G.**, (2021). *Sex Effects of early corticosterone exposure on LPS later in life*. Society for Neuroscience Virtual Meeting. (Poster)

Vichaya, E.G. (2021). *The use of preclinical models to examine role of cognitive processes in recovery from cancer-related fatigue*. Psychoneuroimmunology Research Society Virtual Meeting. (Member Sponsored Symposium)

Gilley, K.* , Rodgers, H.* , Jenner, K. †, McCready, R. †, Adkins, K. †, Kusumo, L. †, Morales, D. †, **Vichaya, E.** (2021). *Exploring Sex Differences in Cognitive and Affective Symptoms in a Streptozotocin Model of Diabetes*. Psychoneuroimmunology Research Society Virtual Meeting. (Poster)

Casari, A.M., **Vichaya, E.G.**, Cole, S., Savegnago, L., Dantzer, R. (2019). *Lipopolysaccharide induces mitochondrial dysfunction and activates the cGAS-STING pathway in the mouse brain: possible involvement in inflammation-induced anergia*. Psychoneuroimmunology Research Society, Berlin, Germany. (Poster + Data Blitz)

Vichaya, E.G. (2015). *Using animal models to explore the role of indoleamine 2,3-dioxygenase in inflammation-induced motivational deficits*. American College of Neuropsychopharmacology, Hollywood, FL. (Invited Symposium Presenter)

Vichaya, E.G., Vermeer, D, Kavelaars, A., Lee, J., and Dantzer, R. (2014). *Can indoleamine 2,3-dioxygenase be targeted to improve tumor clearance as well as attenuate cancer-related symptoms?* Psychoneuroimmunology Research Society, Philadelphia, PA. (Talk)