

Tuki Attuquayefio

tukiattuquayefio@gmail.com | www.tukiattuquayefio.com | [Google Scholar](#) | ORCID: 0000-0003-0328-1066

Teaching Snapshot: 6 years' experience, 3 units as Lecturer (1 unit as LIC), 6 units as Academic Tutor

Research Snapshot: 3 postdoctoral positions, 11 publications (with another 3 under review, 16 under prep), 249 citations, h-index 6, 16 talks

TEACHING EXPERIENCE

Lecturer in Charge <i>PSYC214 Learning and Behaviour</i> Department of Psychology, Australian Catholic University	2021
Lecturer <i>PSYC101 Introduction to Psychology</i> Department of Psychology, Australian Catholic University	2021
Academic Tutor <i>PSYC315 Brain and Behaviour</i> Department of Psychology, Australian Catholic University	2021
Lecturer <i>PSY352 Psychology of Appetite and Eating</i> Department of Psychology, Macquarie University	2016
Academic Tutor <i>PSYC104 Introduction to Psychology I</i> <i>PSYC105 Introduction to Psychology II</i> <i>PSY352 Psychology of Appetite and Eating</i> <i>PSYC332 Psychological Assessment: Reliability and Validity</i> Department of Psychology, Macquarie University	2013 – 2017
Academic Tutor <i>ALHT106 Psychology for Allied Health</i> Department of Psychology, Australian Catholic University	2015

RESEARCH EXPERIENCE

Research Fellow Department of Psychology, University of New South Wales	2021 – current
Postdoctoral Associate Department of Psychiatry, Yale University	2019 – 2021
Postdoctoral Research Associate School of Experimental Psychology, University of Bristol	2017 – 2018

EDUCATION

Doctor of Philosophy (Psychology) Department of Psychology, Macquarie University Thesis Title: <i>Western-style diet and its impacts on hippocampal-dependent processes</i> Supervisor: Prof. Richard Stevenson	2013 – 2017
Certificate IV Australian Sign Language TAFE NSW	2016
Bachelor of Science (Psychology) Honours (2:1) Department of Psychology, University of New South Wales Thesis Title: <i>Effect of Retention Interval on Incentive Contrast using Saccharin</i> Supervisor: Prof. Fred Westbrook	2005 – 2010
Bachelor of Arts (Majors in Modern Greek & French; Minor in Linguistics) Department of Arts, University of New South Wales	2005 – 2009

PEER REVIEWED JOURNAL ARTICLES

Attuquayefio, T., Weiss, J. J., White, E. B. et al. (2021). Tracking Smell Loss to Identify Healthcare Workers with SARS-CoV-2 Infection. *PLoS ONE*, 16 (3), e0248025. [doi:10.1371/journal.pone.0248025](https://doi.org/10.1371/journal.pone.0248025)

Attuquayefio, T., Long, J. & Hudson, J.L. (2021). Factors Associated With Anxiety Symptoms in Australian Deaf or Hard of Hearing Children. *The Journal of Deaf Studies and Deaf Education*, 26(1), 13-20. [doi:10.1093/deafed/enaa035](https://doi.org/10.1093/deafed/enaa035)

Attuquayefio, T., Weiss, J. J., White, E. B. et al. (2020). Tracking Smell Loss to Identify Healthcare Workers with SARS-CoV-2 Infection. *medRxiv* 2020.09.07.20188813; [doi:10.1101/2020.09.07.20188813](https://doi.org/10.1101/2020.09.07.20188813)

Attuquayefio, T., Parish, S., Rogers, P. J., & Brunstrom, J. M. (2020). No evidence of flavour-nutrient learning in a two-week 'home exposure' study in humans. *Appetite*, 147, 104536. [doi:10.1016/j.appet.2019.104536](https://doi.org/10.1016/j.appet.2019.104536)

Stevenson, R. J., Francis, H. M., **Attuquayefio, T.,** Gupta, D., Yeomans, M. R., Oaten, M. J., & Davidson, T. (2020). Hippocampal-dependent appetitive control is impaired by experimental exposure to a Western-style diet. *Royal Society Open Science*, 7(2), 191338. [doi:10.1098/rsos.191338](https://doi.org/10.1098/rsos.191338)

Stevenson, R. J., Francis, H. M., **Attuquayefio, T.,** & Ockert, C. (2017). Explicit wanting and liking for palatable snack foods are differentially affected by change in physiological state, and differentially related to salivation and hunger. *Physiology & Behavior*, 182, 101-106. [doi:10.1016/j.physbeh.2017.10.007](https://doi.org/10.1016/j.physbeh.2017.10.007)

Attuquayefio, T., Stevenson, R. J., Oaten, M. J., & Francis, H. M. (2017). A four-day Western-style dietary intervention causes reductions in hippocampal-dependent learning and memory and interoceptive sensitivity. *PLOS One*, 12(2), e0172645. [doi:10.1371/journal.pone.0172645](https://doi.org/10.1371/journal.pone.0172645)

Attuquayefio, T., Stevenson, R. J., Boakes, R. A., Oaten, M. J., Yeomans, M. R., Mahmut, M., & Francis, H. M. (2016). A high-fat high-sugar diet predicts poorer hippocampal-related memory and a reduced ability to suppress wanting under satiety. *Journal of Experimental Psychology: Animal Learning and Cognition*, 42, 415-428. [doi:10.1037/xan0000118](https://doi.org/10.1037/xan0000118)

Attuquayefio, T., & Stevenson, R. J. (2015). A systematic review of longer-term dietary interventions on human cognitive function: Emerging patterns and future directions, *Appetite*, 95, 554-570. [doi:10.1016/j.appet.2015.08.023](https://doi.org/10.1016/j.appet.2015.08.023)

Rooney, K. B., **Attuquayefio, T.,** Thornley, S., Jayewardene, S., Boakes, R., & Stevenson, R. J. (2014). Monitoring health and dietary behaviour during participation in an online lifestyle program, *Obesity Research & Clinical Practice*, 8, 89-90. [doi:10.1016/j.orcp.2014.10.164](https://doi.org/10.1016/j.orcp.2014.10.164)

Stevenson, R. J., & **Attuquayefio, T.** (2013). Human olfactory consciousness and cognition: its unusual features may not result from unusual functions but from limited neocortical processing resources. *Frontiers in Psychology*, 4, 39-49. [doi:10.3389/fpsyg.2013.00819](https://doi.org/10.3389/fpsyg.2013.00819)

MANUSCRIPTS UNDER REVIEW/PREPARATION

Attuquayefio, T., Sun, X., Beste, N.K., & Small, D. M. Fronto-striatal functional connectivity after intranasal insulin administration mediates working memory in youth with obesity. *Cell Metabolism* (under review)

Beste, N.K., **Attuquayefio, T.,** Sun, X., & Small, D. M. Blunted neural and perceptual habituation to a high energy dense food in individuals with obesity. *Appetite*. (under review)

Lim, C.K., Francis, H.M., Stevenson, R.J., Tan, L.S.Y., Ehrenfeld, L., Byeon, S., **Attuquayefio, T.,** Gupta, D. Kynurenic acid as a biochemical factor underlying the association between Western-style diet and depression: A cross-sectional study. *Journal of Nutritional Biochemistry* (under review)

Attuquayefio, T., Brooks, J M., Brunstrom, J. B., Fielding, J. F., Lloyd., E. C., Priessl, H., Kullmann, S., & Rogers, P. Resting state functional connectivity predicts future planning in food choice (under preparation)

Lloyd. E. C., **Attuquayefio, T.,** Brooks, J M., Brunstrom, J. B., Fielding, J. F., Lloyd., E. C., Priessl, H., Kullmann, S., & Rogers, P. Insula BOLD response predicts expected satiety but not liking ratings in a food choice task. (under preparation).

Rooney, K. B., **Attuquayefio, T.**, Thornley, S. J., Jayewardene, A. F., Kendig, M. K., Boakes, R. A. & Stevenson, R. J. Monitoring health and cognitive function during an on-line lifestyle program designed to reduce added sugar intake. (under preparation)

Attuquayefio, T., Wall, K., DiFeliceantonio, A. G., Farrugia, M. C., Hovens, I., & Small, D. M. Influence of body weight and obesity on memory function: a meta-analysis. (under preparation)

Attuquayefio, T., Heckenmüller, S., Ferriday, D., & Brunstrom, J.M. Manipulating awareness in flavour-nutrient learning. (under preparation) (under preparation)

Keenan, G., **Attuquayefio, T.**, Heckenmüller, S., Ferriday, D., & Brunstrom, J.M. The role of surprise in flavour-nutrient learning about the relationship between expected satiety and energy density. (under preparation)

Lloyd, E.C., **Attuquayefio, T.**, Fielding, J.C., Brooks, J.C.W., & Brunstrom, J.M. Liking and expected satiety food choice in the brain: A task-based fMRI paradigm. (under preparation)

Heckenmüller, S., **Attuquayefio, T.**, Ferriday, D., & Brunstrom, J.M. Eating to fullness and portion size affects flavour-nutrient learning. (under preparation)

Farrugia, M., DiFeliceAntonio, A.G., **Attuquayefio, T.**, Wall, K., Sun, X., & Small, D. M. Reduced T2* iron availability in adults with higher BMI and poorer diet quality. (under preparation)

Griggs, R., Hardman, C., **Attuquayefio, T.**, Heckenmüller, S., Ferriday, D., & Brunstrom, J.M. Thermogenic response to flavour-nutrient inconsistency in lean adults. (under preparation)

Bennett, J., Beath, A., McKinnon, A., & **Attuquayefio, T.** The use of humorous memes leads to better learning outcomes for undergraduate university students. (under preparation)

Attuquayefio, T., Eramudugolla, R., Huque, M.D., Wood, J., Anstey, K.J. Predictive accuracy of driving screening tools for self-report crashes in older adults. (under preparation)

Attuquayefio, T., Hansen, A., Kiely, K., Eramudugolla, R., Hosking, D., McCallum, J., Regan, M., Ross, L., Anstey, K.J. Age-differences in cognition may be mitigated by using Advanced-Driver Assistive Systems. (under preparation)

ACADEMIC & COMMUNITY ENGAGEMENT

Associate Investigator, UNSW Ageing Futures Institute	2022 – current
Research Committee, Neuroscience Research Australia	2021 – current
Education Chair, Early Mid-Career Committee, Neuroscience Research Australia	2021 – current
Communication & Networking Committee, Yale Postdoctoral Association	2019 – 2020
Brain Education Day, Yale School of Medicine	2019 – 2020
Brain Bee, Yale University	2019 – 2020
New Investigator Advisory Board Member, Society for the Study of Ingestive Behavior	2018 – current
Social Media Committee, Society for the Study of Ingestive Behavior	2018 – current
Research Staff Committee, School of Experimental Psychology, University of Bristol	2018
3MT Committee Chair, Department of Psychology, Macquarie University	2017
Reviewer, Scientific Reports	2021 – current
Reviewer, Neurobiology of Stress	2021 – current
Reviewer, International Journal of Obesity	2020 – current
Reviewer, Behavioral Sciences	2020 – current
Reviewer, Current Research in Nutrition and Food Science	2018 – current
Reviewer, Advances in Nutrition	2016 – current
Reviewer, Nutrients	2016 – current
Reviewer, Appetite	2015 – current

RESEARCH SUPERVISION

Co-supervision of PhD Candidate (current), Dept. Psychology, UNSW
 Ms Abigail Hansen
 Title: *The impact of age-related changes on acceptance, trust, locus of control and self-efficacy on intention to use, and actual use of, Advanced-Driver Assistive Systems.*

Informal supervision of BSc Psychology with Professional Placement (2019), Dept. Psychology, Cardiff University
 Ms Suzy Parish
 Title: *The Relationship Between White Matter Microstructure and Eating Behaviour*

PRESENTATION & INVITED TALKS

Keynote/Invited talks	
School of Behavioural Health Sciences, ACU Title: <i>Smell and taste loss in healthcare workers with COVID-19</i>	2021
Psychology Seminar Series, University of Bristol Title: <i>COVID-19 and smell/taste loss</i>	2021
For the Culture series, Society for Black Brain and Behavioral Scientists Title: <i>Brain Food: How diet affects the brain across the lifespan</i>	2021
Department of Psychology, Australian Catholic University Title: <i>COVID-19 and smell/taste loss in healthcare workers</i>	2020
Department of Psychological Science Title: <i>Intranasal insulin effects on the brain and eating behaviour</i>	2019
Conference Talks	
Yale Postdoctoral Association Title: <i>Social media for researchers</i>	2020
Yale Appetitive Neuroimaging Seminar Series, Yale School of Medicine Title: <i>Food choice behaviour and brain functional connectivity</i>	2019
Society for the Study of Ingestive Behavior Meeting, Utrecht Title: <i>Intranasal insulin differentially affects hippocampal function in obese children</i>	2019
Yale Postdoctoral Association – Pint of Science Series Title: <i>Eating on Autopilot: How did I finish the packet already?!</i>	2019
Yale Postdoctoral Association Title: <i>Social media for researchers</i>	2019
European Commission Nudge-It Research Meeting, Edinburgh Title: <i>Food choice behaviour, interoceptive awareness and resting-state fMRI</i>	2018
Society for the Study of Ingestive Behaviour Meeting, Florida Title: <i>Interoceptive awareness tasks differentially predict resting-state network activity</i>	2018
Department of Psychiatry, School of Medicine, Yale University Title: <i>No Evidence of Flavour Nutrient Learning in an at-home learning experiment</i>	2018
Society for the Study of Ingestive Behaviour Meeting, Portugal Title: <i>A high-fat high-sugar diet predicts poorer hippocampal-related memory and a reduced ability to suppress wanting under satiety</i>	2016
Sydney Postgraduate Psychology Conference, Sydney Title: <i>Neuropsychological consequences of the Western diet</i>	2014
Conference Posters	
NIDDK Neuroimaging and Modulation in Obesity and Diabetes Research Meeting Title: <i>Cognitive deficits in insulin-resistant overweight youth ameliorated by intranasal insulin</i>	2019

AWARDS

Early Career Travel Award (USD\$500) NIDDK Neuroimaging and Modulation in Obesity and Diabetes Research 10th Anniversary Meeting	2019
Early Career Researcher Prize (GBP£500) Sparrho	2019
Australian Postgraduate Award (AUD\$77,529) Department of Education and Training	2014 – 2016
3 Minute Thesis Winner (AUD\$100) Faculty of Human Sciences, Macquarie University	2015