

## **CURRICULUM VITAE OF CHANAKA NADEESHAN KAHATHUDUWA**

(December 12, 2019)

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### **Educational Qualifications:**

- Doctor of Philosophy (Ph.D.) in Nutritional Sciences, Texas Tech University, Lubbock, TX (focused on cognitive and neurophysiological correlates of human ingestive behavior using fMRI, structural MRI and DTI), GPA – 4.0 (completed in August, 2017)
- Master of Philosophy (M.Phil.) in Cognitive Neurophysiology – Department of Physiology, Faculty (College) of Medicine, University of Peradeniya, Sri Lanka (completed in June, 2016)
- Bachelor of Medicine and Bachelor of Surgery (MBBS) – Faculty (College) of Medicine, University of Peradeniya, Sri Lanka (completed in April, 2011).
  - 2<sup>nd</sup> MBBS – 1<sup>st</sup> Class Honors, GPA – 3.95 (Distinctions in Physiology, Biochemistry)
  - 4<sup>th</sup> MBBS – 1<sup>st</sup> Class Honors, GPA – 3.83 (Distinctions in Microbiology, Parasitology, Pathology, Forensic Medicine)
  - Final MBBS – Upper 2<sup>nd</sup> Class Honors (Distinction in Pediatrics)

## Professional Experience:

### Current Positions and Affiliations:

- Assistant Professor, Department of Laboratory Sciences and Primary Care, School of Health Professions, Texas Tech University Health Sciences Center, Lubbock, TX (since May 2019)
- Clinical Assistant Professor, Department of Psychiatry, School of Medicine, Texas Tech University Health Sciences Center, Lubbock, TX (since June 2019)
- Affiliate Faculty, Department of Human Development and Family Studies, College of Human Science, Texas Tech University, Lubbock, TX (since May, 2019)

### Work Experience:

Designation	Department/Institution	Period
Research Assistant Professor	Department of Human Development and Family Studies, College of Human Science, Texas Tech University, Lubbock, Texas, USA	09/01/2017 – 04/31/2019
Lecturer (confirmed)	Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka.	04/19/2013 – 08/31/2018
Graduate Teaching / Research Assistant	Department of Nutritional Sciences, College of Human Science, Texas Tech University, Lubbock, Texas, USA	09/01/2014 – 08/31/2017
Medical Doctor	Clinical Neurophysiology Unit, Teaching Hospital Peradeniya, Peradeniya, Sri Lanka.	04/19/2013 – 07/18/2014
Medical Doctor	Clinical Neurophysiology Unit, General Hospital (Teaching), Kandy, Sri Lanka.	12/19/2012 – 04/18/2013
Medical Doctor	Professorial Medical Unit / Stroke Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	12/05/2012 – 12/18/2012
Medical Doctor (undertraining license)	Professorial Medical Unit / Stroke Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	06/05/2012 – 12/04/2012
Medical Doctor (under training license)	Professorial Surgical Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	12/05/2011 – 06/04/2012
Temporary Assistant Lecturer	Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka.	04/25/2011 – 12/04/2011

## Awards and Prizes:

- Winner of the 8<sup>th</sup> Annual David Kritchevsky Graduate Student Award for achievement in nutrition writing and research (for the best peer-reviewed article published by a graduate student in *Nutrition Research* in 2017)
- Sri Lankan President's Award for Scientific Publication – 2017
- Finalist: Emerging Leaders in Nutrition Science Poster Competition 2017, Annual Scientific Meeting of Experimental Biology; 2017 Apr; Chicago, IL.
- Sri Lankan President's Award for Scientific Publication – 2016
- Finalist: Ethan Sims Young Investigator Award 2016, ObesityWeek 2016, New Orleans, LA, USA – November, 2016
- Finalist: Early Career Grant Challenge, ObesityWeek 2016, New Orleans, LA, USA – November, 2016
- Best Poster Award in the Biobehavioral Section of the ObesityWeek 2016, New Orleans, LA, USA – November, 2016
- Best Poster Presentation (Clinical Graduate) – First Annual Meeting of The Center of Excellence for Translational Neuroscience and Therapeutics of the Texas Tech University Health Sciences Center – April, 2016
- Doctoral Dissertation Completion Fellowship of the Graduate School, Texas Tech University, 2016 - 2017
- Helen DeVitt Jones Graduate Fellowship awarded through the Texas Tech University Graduate School (\$3500 per year) starting from 2015-2016
- Margarette Harden Food and Nutrition Scholarship Endowment (\$1000), 2015-2016
- Covenant Health and Social Services Fellowship awarded through the Texas Tech University Graduate School (\$4000), 2014-2015
- Championship in Inter-Medical Faculty Paediatric Quiz-2011, , Sri Lanka
- Gold medal for the best performance at 3<sup>rd</sup> MBBS, University of Peradeniya, 2009
- Gold Medal in Forensic Medicine, University of Peradeniya, 2009
- Punchi Banda Panbokke Memorial Prize for the Best Performance in Forensic Medicine, University of Peradeniya, 2009
- Gold Medal for the best performance at 2<sup>nd</sup> MBBS, University of Peradeniya, 2007
- University Scholarship for Best Performance, University of Peradeniya, 2007
- Arthur Fernando Memorial Prize for Physiology, University of Peradeniya, 2007
- Dr. C. W. W. Kanangara Merit Award-2004 for Excellent Performance (10<sup>th</sup> in Sri Lanka) in G.C.E. Advanced Level (Medical school entrance) Examination

## Publications:

### Published in peer-reviewed journals

1. Rasha F., **Kahathuduwa C.**, Ramalingam L., Hernandez A., Moussa H., & Moustaid-Moussa N. Combined Effects of Eicosapentaenoic Acid and Adipocyte Renin–Angiotensin System Inhibition on Breast Cancer Cell Inflammation and Migration. *Cancers*. 2020 Jan;12(1):220; doi: 10.3390/cancers12010220. PMID: 31963198
2. Dodd S., Long J., Hou J., O’Boyle M., **Kahathuduwa C. N.** Brain Activation and Affective Judgements in Response to Personal Dietary Images: An fMRI Investigation. *Appetite*. 2020 May 1;148:104561; doi: 10.1016/j.appet.2019.104561. PMID: 31870934
3. **Kahathuduwa C. N.**, West B., Blume J., Moustaid-Moussa N., Mastergeorge A. The risk of developing overweight and obesity in children with autism spectrum disorders: a systematic review and meta-analysis. *Obesity Reviews*. 2019 October 08; doi: 10.1111/obr.12933. [Epub ahead of print] PMID: 31595678 (\* **corresponding author**)
4. **Kahathuduwa C. N.**, West B., Mastergeorge A. Effects of overweight or obesity on brain resting state functional connectivity of children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*. 2019 August 23; doi: 10.1007/s10803-019-04187-7. [Epub ahead of print] PMID: 31550524 (\* **corresponding author**)
5. Thomas D. M., Turner D., Siu C., Halliday T., Hannon B. A., **Kahathuduwa C. N.**, Kroeger C. M., Allison D. B. Best (but oft-forgotten) practices: identifying and accounting for regression to the mean. *American Journal of Clinical Nutrition*. 2019 September 24; doi: 10.1093/ajcn/nqz196. [Epub ahead of print] PMID: 31552422
6. Kaufman K., Chin S., **Kahathuduwa C. N.**, Wood M., Feliu M., Hill L., Barker C., Reif R., Keys A., Edwards C. L., Binks M. Body mass index, psychosocial correlates, pain and activities of daily living in adult sickle cell disease patients. *PROGREVMED* 2018 June; doi: 10.1097/pp9.0000000000000019.
7. **Kahathuduwa C. N.**, Davis T., O’Boyle M., Boyd L. A., Chin S., Paniukov D., Binks M. Do scores on the Food Craving Inventory and Three-Factor Eating Questionnaire correlate with expected brain regions of interest in people with obesity? *Physiology & Behavior*. 2018 May 1;188:1-10; doi: 10.1016/j.physbeh.2018.01.018. PMID: 29421336
8. **Kahathuduwa C. N.**, Dhanasekara C. S., Chin S., Davis T., Weerasinghe V. S., Dassanayake T. L., Binks M. L-theanine and caffeine improve target-specific attention to visual stimuli by decreasing mind wandering: A human functional magnetic resonance imaging study. *Nutrition Research*. 2017 November 16; 49: 67-78; doi: 10.1016/j.nutres.2017.11.002. PMID: 29420994
9. **Kahathuduwa C. N.**, Davis T., O’Boyle M., Boyd L. A., Chin S., Paniukov D., Binks M. Effects of 3-week total meal replacement vs. Typical food-based diet on human brain functional MRI food-cue reactivity and functional connectivity in subjects with obesity. *Appetite*. 2018 January 01; 120:431-441; doi: 10.1016/j.appet.2017.09.025. PMID: 28958900

10. Chin S.\*, **Kahathuduwa C. N.\***, Stearns B. M., Davis T., Binks M. Is hunger important to model in fMRI visual food-cue reactivity paradigms in adults with obesity and how should this be done? *Appetite*. 2017 September 28; 120:388-397; doi:10.1016/j.appet. PMID: 28964904 (\* **Authors contributed equally**)
11. **Kahathuduwa C. N.**, Binks M., Martin C. K., Dawson J. A. Extended calorie restriction suppresses overall and specific food cravings: a systematic review and a meta-analysis. *Obesity Reviews*. 2017 October 18; 10:1122-1135; doi: 10.1111/obr.12566. PMID: 28557246
12. **Kahathuduwa C. N.**, Boyd L. A., Davis T., O'Boyle M., & Binks M. Brain regions involved in ingestive behavior and related psychological constructs in people undergoing calorie restriction. *Appetite*. 2016 December 01; 107:348-361; doi: 10.1016/j.appet. PMID: 27565377
13. Chin S-H., **Kahathuduwa C.**, Binks M. Is sedentary behaviour unhealthy and if so does reducing it improve this? *International Journal of Clinical Practice*. 2017 February; 71(2):e12925; doi: 10.1111/ijcp.12925. PMID: 28238228
14. Chin S., **Kahathuduwa C. N.**, Binks M. Physical Activity and Obesity: What We Know and What We Need to Know. *Obesity Reviews*. 2016 December; 17(12):1226-1244; doi: 10.1111/obr.12460. PMID: 27743411
15. **Kahathuduwa C. N.**, Dassanayake T. L., Amarakoon A. T., Weerasinghe V. S. Acute effects of theanine, caffeine and theanine–caffeine combination on attention. *Nutritional Neuroscience*. 2017 July; 20(6):369-377; doi: 10.1080/1028415X.2016.1144845. PMID: 26869148
16. **Kahathuduwa C. N.\***, Weerasinghe V. S., Dassanayake T. L., Priyadarshana R., Dissanayake A. L., & Perera C. Task-specific kinetic finger tremor affects the performance of carrom players. *Journal of Sports Science*. 2015 August 17; 34(10):923-928; doi: 10.1080/02640414.2015.1078487. PMID: 26280452 (\* **corresponding author**)
17. Mathurageethan M., **Kahathuduwa C. N.**, Badanasinghe N., Corea E., & Fernando R. Melioidosis associated with chronic osteomyelitis and visceral organ abscesses. *Sri Lanka Journal of Surgery*. 2014 September; 32(2): 41-42

#### Invited Editorials and Letters to the Editor

1. **Kahathuduwa C. N.**, Allison D. B. Insufficient Reporting of Randomization Procedures and Unexplained Unequal Allocation: A Commentary on “Dairy-Based and Energy-Enriched Berry-Based Snacks Improve or Maintain Nutritional and Functional Status in Older People in Home Care. *The journal of nutrition, health & aging*. 2019 April; 23(4):396; doi: 10.1007/s12603-019-1183-0. PMID: 30932141
2. Vorland C.J., Brown A.W., Kahathuduwa C.N., Dawson J.A., Gletsu-Miller N., Kyle T.K., Thabane L. and Allison D.B., 2019. Intervention effects of a kindergarten-based health promotion programme on obesity related behavioural outcomes and BMI percentiles. *Preventive Medicine Reports* [In Press]; doi: 10.1016/j.pmedr.2019.101022

3. Jayawardene W. P., Brown A.W., Dawson J. A., **Kahathuduwa C. N.**, McComb B., Allison D. B. Conditioning on "study" is essential for valid inference when combining individual data from multiple randomized controlled trials: a comment on Reesor et al's School-based weight management program curbs summer weight gain among low-income Hispanic middle school students. *Journal of School Health*. 2019;89(1):59-67. PMID: 31049962
4. Dickinson S. L., Golzarri-Arroyo L., Brown A.W., McComb B., **Kahathuduwa C. N.**, Allison D. B. Change in study randomization allocation needs to be included in statistical analysis: comment on 'Randomized controlled trial of weight loss versus usual care on telomere length in women with breast cancer: the lifestyle, exercise, and nutrition (LEAN) study'. *Breast Cancer Research and Treatment*. 2019 February 05; doi: 10.1007/s10549-019-05155-6. PMID: 30721442
5. **Kahathuduwa C. N.**, Thomas, D. M., Siu., C., Allison, D. B. Unaccounted for Regression to the Mean Renders Conclusion of Article Titled "Uric acid lowering in relation to HbA1c reductions with the SGLT2 inhibitor Tofogliflozin" Unsubstantiated. *Diabetes, Obesity and Metabolism*. 2018 April 16; doi: 10.1111/dom.13323. PMID: 29660244
6. Binks M., **Kahathuduwa C. N.**, Davis T. Challenges in accurately modeling the complexity of human ingestive behavior: the influence of portion size and energy density of food on fMRI food-cue reactivity. *American Journal of Clinical Nutrition*. 2017 February; 105(2):289-290; doi: 10.3945/ajcn.116.150813. PMID: 28100508

#### In Review for Publication

1. **Kahathuduwa, C. N.**, Wakefield S. M., West, B., Blume, J., Mastergeorge, A. L-theanine and Caffeine Improve Sustained Attention, Impulsivity and Cognition in Children with Attention Deficit Hyperactivity Disorders by Decreasing Mind Wandering.
2. **Kahathuduwa C. N.**, Moustaid-Moussa N., Mastergeorge A. Autism spectrum disorder is associated with an increased risk of development of underweight in children: a systematic review and meta-analysis.

#### Oral and poster presentations (National and International Conferences)

1. **Kahathuduwa, C. N.**, Wakefield S. M., West, B., Blume, J., Mastergeorge, A. L-theanine and Caffeine Improve Sustained Attention, Impulsivity and Cognition in Children with Attention Deficit Hyperactivity Disorders by Decreasing Mind Wandering. *Nutrition 2019* (Annual Meeting of the American Society of Nutrition); June 8-11, 2019; Baltimore, MD
2. **Kahathuduwa C. N.**, Moustaid-Moussa N., Mastergeorge A. Autism spectrum disorder is associated with an increased risk of development of underweight in children: a systematic review and meta-analysis. *Annual Meeting of the International Society for Autism Research (INSAR)*; May 1-4, 2019; Montreal, Canada
3. Pham T., Jacob D., **Kahathuduwa C.**, Saleh A. A., Aryaie A. Possible Variables to Develop a Scoring System to Predict Preoperative Diagnosis of Acute Cholecystitis. *Annual meeting of*

the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES2019); April 3-6, 2019; Baltimore, MD

4. **Kahathuduwa C.**, West B., Blume J., Mastergeorge A. Autism Spectrum Disorders Increase the Risk of Childhood Obesity: a Systematic Review and Meta-analysis. Society for Research in Child Development Biennial Meeting; March 21-23, 2019; Baltimore MD
5. **Kahathuduwa C.**, Wakefield S., West B., Blume J., Mastergeorge A. Effects of L- theanine and caffeine on cognitive functions and functional reactivity of the brain in children with attention deficit hyperactivity disorder. Society for Research in Child Development Biennial Meeting; March 21-23, 2019; Baltimore MD
6. West B., Abide A., Cox M., Kim J., Klingensmith A., Webb K., Brown K., Blume J., **Kahathuduwa C.**, Mastergeorge A. The reliability of coding eye-contact of young-adults using a camera embedded in as glasses. Society for Research in Child Development Biennial Meeting; March 21-23, 2019; Baltimore MD
7. Blume J., **Kahathuduwa C.**, Mastergeorge A. Eye-tracking in infants and young children at risk for autism spectrum disorder: A systematic review of stimuli and paradigms. Society for Research in Child Development Biennial Meeting; March 21-23, 2019; Baltimore MD
8. **Kahathuduwa C. N.**, Beights R., West B., Oh W., Mastergeorge A. Effects of overweight or obesity on brain gray matter volumes of individuals with autism spectrum disorder. Society for Research in Child Development Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018; Phoenix, AZ (Oral)
9. **Kahathuduwa C. N.**, Beights R., West B., Oh W., Mastergeorge A. Effects of overweight or obesity on resting state functional connectivity of brains of children with autism spectrum disorder. Society for Research in Child Development Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018; Phoenix, AZ
10. Mastergeorge A., **Kahathuduwa C. N.**, Oh W., Beights R., An analysis of the association between brain gray matter volumes and working memory in children with autism spectrum disorder. Society for Research in Child Development Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018; Phoenix, AZ (Oral)
11. Trejos-Castillo E., **Kahathuduwa C. N.** Risk-Taking, Impulsivity and Executive Functions: Neurophysiological and Neuroanatomical Correlates in Early Adolescents. 2018 American Society of Criminology - 74<sup>th</sup> Annual Meeting Annual Meeting; November 14-17, Atlanta, GA
12. Quarles W. R., **Kahathuduwa C. N.**, Davis T., Binks M. Predicting Weight-Related Activity Limitations in Individuals with Obesity. Nutrition 2018 (Annual Meeting of the American Society of Nutrition); June 9-12, 2018; Boston, MA (**oral**)
13. Chin S., **Kahathuduwa C. N.**, Davis T., Binks M. Increased Duration of Participation in a Calorie Restriction Intervention Is Associated with a Greater Reduction in Self-Reported

Hunger in People with Obesity. Nutrition 2018 (Annual Meeting of the American Society of Nutrition); June 9-12, 2018; Boston, MA

14. Quarles W. R., **Kahathuduwa C. N.**, Davis T., Binks M. Feature Importance from Random Forest Analysis Shows No Variable More Important than Random Chance in Behavioral Food Cue Reactivity. Nutrition 2018 (Annual Meeting of the American Society of Nutrition); June 9-12, 2018; Boston, MA
15. Huang W., Chin S., **Kahathuduwa C. N.**, Quarles W. R., Davis T., Binks M. Fat Mass but not Body Weight Is Associated with Yale Food Addiction Scale Score in People Undergoing Weight Treatment. Nutrition 2018 (Annual Meeting of the American Society of Nutrition); June 9-12, 2018; Boston, MA
16. Huang W., Chin S., **Kahathuduwa C. N.**, Quarles W. R., Davis T., Binks M. Depression Moderates the Relations between Power of Food Scale Score and Fat Mass Reduction in People with Obesity. Nutrition 2018 (Annual Meeting of the American Society of Nutrition); June 9-12, 2018; Boston, MA
17. Moseley M., Quarles W. R., **Kahathuduwa C. N.**, Davis T., Binks M. Three Factor Eating Questionnaire Predicts Food Craving Inventory Scores in Individuals with Obesity. Nutrition 2019 (Annual Meeting of the American Society of Nutrition); June 9-12, 2019; Boston, MA
18. Binks M., **Kahathuduwa C.**, Davis T. Do Scores on the Power of Food Scale Reflect Brain Food-cue Reactivity in People with Obesity? 25<sup>th</sup> European Congress on Obesity (ECO2018); May 23-26, 2018; Vienna, Austria
19. Nguyen Q., **Kahathuduwa C. N.**, Pham T., Wilson E. S., Aryaie A. Is hands-on endoscopic lab training beneficial to surgical residents? Residents prospective of surgical endoscopy. Annual meeting of the Society of American Gastrointestinal and Endoscopic Surgeons and 16<sup>th</sup> World Congress of Endoscopic Surgery (SAGES2018); April 11-14, 2018; Seattle, WA
20. Wilson E. S., **Kahathuduwa C. N.**, Nguyen Q., Pham T., Aryaie A. Does hands-on laparoscopic swine model course improve surgery resident's skills and confidence? Annual meeting of the Society of American Gastrointestinal and Endoscopic Surgeons and 16<sup>th</sup> World Congress of Endoscopic Surgery (SAGES2018); April 11-14, 2018; Seattle, WA
21. O'Boyle M., **Kahathuduwa C. N.**, Davis T., Binks M. Pre-intervention fMRI activation in response to visual food-cues predicts weight loss in a 3-week calorie restriction intervention. Proceedings of the 10<sup>th</sup> Asia Pacific Conference on Clinical Nutrition (APCCN); November 26-29, 2017; Adelaide, South Australia (selected for **3-minute oral** presentation)
22. **Kahathuduwa C.**, Davis T., O'Boyle M., Binks M. Effects of Meal Replacement vs. Food-based Diet on Human Brain Task-related fMRI Connectivity. Proceedings of the 25<sup>th</sup> Annual Meeting of the Society for the Study of Ingestive Behavior (SSIB2017); July 18-22, 2017; Montreal, Canada
23. **Kahathuduwa C.**, Davis T., O'Boyle M., Binks M. Changes in Food Craving Inventory and Three-Factor Eating Questionnaire subscales predict changes in functional magnetic resonance imaging food-cue reactivity in a 3-week calorie restriction intervention. Proceedings of the 25<sup>th</sup> Annual Meeting of the Society for the Study of Ingestive Behavior



(SSIB2017); July 18-22, 2017; Montreal, Canada

24. **Kahathuduwa C. N.**, Davis T., Binks M. Limited Potential of the Food Craving Inventory and Three-Factor Eating Questionnaire to Predict Brain Food-cue Reactivity in Subjects with Obesity. 5<sup>th</sup> Canadian Obesity Summit; April 25-29, 2017; Banff Springs, Canada (**oral**)
25. **Kahathuduwa C. N.**, Davis T., O'Boyle M., Binks M. Effects of a 3-week moderate calorie restriction intervention on cerebral white matter connectivity in subjects with obesity. Experimental Biology 2017 (EB2017); April 22-26, 2017; Chicago, IL
26. **Kahathuduwa C. N.**, Davis T., O'Boyle M., Binks M. Primary Motor Cortex Mediates the Association between Body Mass Index and Reaction Times to Visual Food-cues in Subjects with Obesity: An fMRI Food-cue Reactivity Study. Experimental Biology 2017 (EB2017); April 22-26, 2017; Chicago, IL
27. Quarles W., **Kahathuduwa C. N.**, Davis T., O'Boyle M., Binks M. Self-reported Stress is Not Associated with Functional Magnetic Resonance Imaging Food-cue Reactivity in Adults with Obesity. Experimental Biology 2017 (EB2017); April 22-26, 2017; Chicago, IL
28. Quarles W., **Kahathuduwa C. N.**, Davis T., O'Boyle M., Binks M. BMI and Body Fat Mass Are Differentially Associated with fMRI Food-cue Reactivity in Individuals with Obesity. Experimental Biology 2017 (EB2017); April 22-26, 2017; Chicago, IL
29. **Kahathuduwa C. N.**, Davis T., O'Boyle M., Boyd L. A., Chin S., Paniukov D., Binks M. Total Meal Replacement- and Typical Food-based Calorie Restriction Differentially Affect Visual Food-cue Reactivity of the Human Brain as Measured by fMRI. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA (**oral**)
30. **Kahathuduwa C. N.**, Binks M., Martin C. K., Dawson J. A. Extended Calorie Restriction Suppresses Overall and Specific Food Cravings: A Systematic Review and Meta-analysis. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA (**oral**)
31. **Kahathuduwa C. N.**, Chin S., Johns B., Boyd L.A., Stearns M., Binks M. Hours since Last Meal Predict Subscales of Food Craving Inventory and Three Factor Eating Questionnaire in Healthy Obese Adults. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA
32. Chin S., **Kahathuduwa C. N.**, Boyd L.A., Johns B., Stearns M., Davis T., Binks M. How Should Hunger be Modelled When Analyzing Outcomes of Food-cue Reactivity Paradigms. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA
33. Stearns M., **Kahathuduwa C. N.**, Chin S., Boyd L.A., Johns B., Davis T., Binks M. Exposure to Rewarding Visual Food Cues: Relationship to Self-Reported Hunger in Adults with Obesity. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA
34. **Kahathuduwa C. N.**, Chin S., Boyd L. A., Johns B., Stearns M., Davis T., Binks M. Higher Body Mass Index and Longer Duration of Fasting are Associated with Shorter Response

Times to Visual Food Cues in Adults with Obesity. 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA (**best poster award**)

35. **Kahathuduwa C. N.** Effects of extended calorie restriction on neurotransmitter levels in human brain food reward circuitry: an MRS study. Early Career Grant Challenge at 34<sup>th</sup> Annual Scientific Meeting of The Obesity Society (ObesityWeek2016); October 31 – November 04; New Orleans, LA (**oral**)
36. **Kahathuduwa C.**, Weerasinghe V., Dassanayake T., Amarakoon T., Binks M. High Doses of Theanine Improve Visual Stimulus Discrimination in a Dose-dependent Manner. Experimental Biology 2016 (EB2016); April 2-6, 2016; San Diego, CA
37. Hill L. K., O'Garro K. N., Binks M., Wood M., Feliu M., Barker C. S., Keys A., Kaufman K., **Kahathuduwa C.**, Dorfman C., Putlin D., Applegate K., Robinson E., Edwards C. L. Risk of overweight and obesity in adult patients with sickle cell disease: Are all types created equal? 22<sup>nd</sup> European Congress on Obesity (ECO2015); May 6-9, 2015; Prague, Czech Republic
38. Weerasinghe V., **Kahathuduwa C.**, Amarakoon T., Dassanayake T. Synergistic effect of theanine and caffeine on visual reaction time, evoked potentials and cognitive event related potentials. 2015 Annual Meeting and Courses of the American Clinical Neurophysiology Society; February 3-8, 2015; Houston, TX

Oral and poster presentations (Regional Conferences)

39. Beights R., **Kahathuduwa C. N.\***, West B., Oh W., Mastergeorge A. Effects of overweight or obesity on brain gray matter volumes of individuals with autism spectrum disorder. 8<sup>th</sup> Annual Meeting of the Obesity Research Cluster, Texas Tech University; May, 2018; Lubbock, TX (**\* corresponding author; oral presentation**)
40. Rosenbrock G. J., Dharavath N., Beights R., Moustaid-Moussa N., Mastergeorge A. M., **Kahathuduwa C. N.\*** Prevalence of overweight and obesity in children with autism spectrum disorder: A systematic review and meta-analysis. Center for Active Learning and Undergraduate Engagement, Texas Tech University; March, 2018; Lubbock, TX (**\*corresponding author – best poster award won by mentee**)
41. Cox M. A., Rosenbrock G. J., Dharavath N., Beights R., Moustaid-Moussa N., Mastergeorge A. M., **Kahathuduwa C. N.\*** Relative risk of development overweight and obesity in individuals with ASD: A systematic review and meta-analysis Center for Active Learning and Undergraduate Engagement, Texas Tech University; March, 2018; Lubbock, TX (**\*corresponding author – second best poster award won by mentee**)
42. **Kahathuduwa C. N.**, Weerasinghe V. S., Amarakoon T., Dassanayake T. L., Higgoda R., Uragoda B. Improvement of recognition reaction time with high doses of theanine: a preliminary study. Proceedings of the Physiological Society of Sri Lanka. November, 2013; Colombo, Sri Lanka
43. **Kahathuduwa C. N.**, Chin S., Boyd L. A., Johns B., Stearns M., Davis T., Binks M. Higher Body Mass Index and Longer Duration of Fasting are Associated with Shorter Response Times to Visual Food Cues in Adults with Obesity. 16<sup>th</sup> Annual Texas Tech University

Graduate Research Poster Competition; March, 2017; Lubbock, TX

44. Chin S., **Kahathuduwa C. N.**, Boyd L. A., Johns B., Stearns M., Davis T., Binks M. How Should Hunger be Modelled When Analyzing Outcomes of Food-cue Reactivity Paradigms. 16<sup>th</sup> Annual Texas Tech University Graduate Research Poster Competition; March, 2017; Lubbock, TX □
45. Quarles W., **Kahathuduwa C. N.**, Davis T., Binks M. Change in Food Craving Inventory Scores are Not Associated with Change in Weight Loss during a Three-week Calorie Restriction Intervention. 16<sup>th</sup> Annual Texas Tech University Graduate Research Poster Competition; March, 2017; Lubbock, TX
46. Akter S., Quarles W., **Kahathuduwa C. N.**, Davis T., Binks M. Does the Three Factor Eating Questionnaire Predict Change in Body Weight or Body Fat During a Three-Week Calorie Restriction Intervention? 16<sup>th</sup> Annual Texas Tech University Graduate Research Poster Competition; March, 2017; Lubbock, TX
47. **Kahathuduwa, C.**, Weerasinghe, V., Dassanayake, T., Amarakoon, T., & Binks, M. (2016). High Doses of Theanine Improve Visual Stimulus Discrimination in a Dose-dependent Manner. First Annual Meeting of The Center of Excellence for Translational Neuroscience and Therapeutics of the Texas Tech University Health Sciences Center; April, 2016; Lubbock, TX (**best poster award**)
48. Weerasinghe V. S., **Kahathuduwa C. N.**, Perera S. L. A. D. C. B., Bandara W. M. M., Priyadharshana H. K. R., Dissanayake D. H. M. A. L., Leelaratne A. Y. N., Nawaratne T., Semini K. A. I. Assessment of task specific kinetic finger tremor while playing Carrom using surface electromyography. Peradeniya University Research Sessions (PURSE2011); November, 2011; Peradeniya, Sri Lanka

### Research Support

Role	Funding Mechanism	Amount	Funding Dates	Project Title
Co-I	Texas Tech University; College of Human Sciences – Come & Go seed grant (returned)	\$5,000	10/30/2018 – 8/31/2019	Mechanism of action of L-theanine in improving visual target discrimination in healthy young-adults: a magnetic resonance spectroscopy study

PI	Texas Tech University; Texas Tech Neuroimaging Institute – Seed Grant (completed)	\$26,400	11/1/2017-8/31/2018	Effects of L-theanine and caffeine on attention and attention-related brain activity of male children and adolescents with attention deficit hyperactivity disorder: a proof of concept fMRI study.
PI	Texas Tech University; Texas Tech Neuroimaging Institute – Seed Grant (completed)	\$13,200	11/1/2017-8/31/2019	Gender differences in risk proneness, gratification delay, self-control, self-efficacy, executive functions and their neuroanatomical and neurophysiological correlates in early adolescents.
PI	Texas Tech University; Texas Tech Neuroimaging Institute – Seed Grant (completed)	\$13,200	03/01/2018-8/31/2019	Neural correlates of the associations between sleep functioning, self-regulation, school functioning and problem behaviors in late adolescents.
Graduate Student Co-I	Nestle Health Science (completed)	\$44,589	8/31/2015-8/31/2016	Neurological Correlates of exposure to a Nutritionally Balanced Total Meal Replacement Diet vs. Iso-caloric diet of typical foods in an obese population.
Graduate Student Co-I	Texas Tech University; College of Human Sciences Neuroimaging Seed Grant (completed)	\$7,500	9/1/2015-8/31/2016	Neurophysiological correlates of L-theanine, caffeine and their combination on improving selective attention in a visual reaction time task: A functional magnetic resonance imaging study.
Graduate Student PI	University of Peradeniya, International Research Center	SLR 400,000	7/31/2013-7/31/2014	Study of the effects of theanine and caffeine on cognitive processing time, evoked potentials and event-related potentials.

### Recently Submitted Grant Proposals

Role	Funding Mechanism	Amount	Funding Dates	Project Title
Consultant	NSF: Smart and Connected Health (SCH; NSF 18-541)	\$1,200,000	Pending	Smart Home Real-Time Multi-Abnormal Detection with A Radio Sensing Network
Co-I	American Heart Association, Strategically Focused Research Network: Cardiometabolic Health with a Focus on Type 2 Diabetes Mellitus (not funded)	\$1,142,240	01/01/2020-12/31/2023	Impact Of Glp-1 Receptor Agonist (Glp-1ra) in Combination with 7 Mediterranean Diet (Med Diet) on Myocardial Metabolism and Function in 8 Pre-Diabetes and Type 2 Diabetes Mellitus
Co-PI	National Institute of Health: Global Brain and Nervous System Disorders Research Across the Lifespan (R21 Clinical Trial Optional) (scored)	\$279,349	06/01/2019-05/31/2021	Developing a predictive model of opioid abuse using neurophysiological, behavioral and demographic predictors
PI	Spencer Foundation - Small Grant (not funded)	\$49,988	04/01/2018-12/31/2019	Effects of L-theanine and L-theanine-caffeine combination on attention and related neurophysiological mechanisms in school-aged children and adolescents: A functional magnetic resonance imaging study
PI of subaward	National Center for Complementary and Integrative Health (NCCIH) – R61/R33 Clinical Trial Required (feedback provided)	\$2,777,922	01/01/2019-12/31/2023	Effects of exposure to yoga on symptoms, cognitive functionality, brain structure and function of children diagnosed with attention deficit hyperactivity disorder.
PI	National Center for Complementary and Integrative Health (NCCIH) – R21 Clinical Trial Optional (feedback provided)	\$364,568	01/01/2019-12/31/2021	Neuroanatomical, neurophysiological and cognitive mechanisms through which yoga improves disease-related symptoms of children with autism spectrum disorder.

Co-I	National Institute of Nursing Research (NINR) – R15 AREA Award (feedback provided)	\$368,060	01/01/2019-12/31/2021	Affective neurobehavioral response and review of cell phone images of personal diet as a stimulus for increasing adolescent fruit/vegetable intake and future food choices
PI	CH Foundation – Institutional Development Grant 2019 (not funded after review in the final round)	\$99,958	01/01/2019-12/31/2019	Developing an Innovative Cognitive Training Tool to Aid Management of Individuals with Autism Spectrum Disorder.

## Teaching and Training

### Teaching in Affiliated Institutions

- Teaching Physiology, Pathophysiology, Neuroscience and Neurology to physician assistant students of the Texas Tech University Health Sciences Center Physician Assistant Program (Midland, TX – Summer and Fall, 2019)
- Teaching research and statistical methods to 1<sup>st</sup> and 2<sup>nd</sup> year graduate students of the Department of Human Development and Family Studies, Texas Tech University, Lubbock, Texas (Summer I and Summer II, 2018).
- Teaching Nutritional Epidemiology and Behavioral Health Coaching to graduate and undergraduate students of the Department of Nutritional Sciences, Texas Tech University, Lubbock, Texas (Fall, 2014 – Spring, 2016).
- Teaching Physiology, Biochemistry and Clinical Anatomy to medical students of the Faculty (School) of Medicine, University of Peradeniya (2011 and 2013-2014).
- Involved in the examination (as an invigilator and examiner) of medical students of the Faculty (School) of Medicine, University of Peradeniya (2011 and 2013-2014).

### Invited Teaching and Training

- Teaching neurophysiology and neuroanatomy to the students for the Diploma Course in Exercise and Sport Sciences conducted by the Sri Lankan Association of Exercise and Sport Sciences (SLAESS) – 2011-2014.
- Teaching neurophysiology to the undergraduates of the Faculty of Dental Sciences, Faculty of Veterinary Sciences and Faculty of Allied Health Sciences, University of Peradeniya – 2011-2014.

### Guest Lectures

- Neuroscience of obesity. Guest lecture delivered on September 19, 2018 to graduate students taking the course NS6330 – Nutrition and Chronic Disease: Obesity and Diabetes (Instructor: Dr. Naima Moustaid-Moussa)
- Obesity and brain function. The 37<sup>th</sup> annual US Foods: Food and Nutrition Seminar; 2017 May; Lubbock, TX.
- Clinical neurophysiological techniques (transcranial magnetic stimulation). Kandy Society of Medicine; 2014; Department of Physiology, Faculty of Medicine
- Measuring blood pressure. Sri Lanka Dental Alumni Association; 2011; Peradeniya, Sri Lanka.

### **Professional Societies and Professional Bodies**

- Medical Doctor in Sri Lanka – RegNo.29235, Sri Lanka Medical Council (SLMC)
- Member, The Obesity Society (TOS)
- Member, American Society of Nutrition (ASN)
- Member, International Association of Medical Science Educators (IAMSE)
- Life Member, Physiological Society of Sri Lanka (PSSL)
- Life Member, Kandy Society of Medicine (KSM)

### **Service**

- Reviewer:
  - Appetite (since 2016)
  - American Journal of Clinical Nutrition (since 2017)
  - Food Quality and Preference (since 2018)
  - Obesity (since 2018)
  - International Journal of Obesity (since 2019)
  - Journal of Autism and Developmental Disorders (since 2019)
  - Frontiers in Public Health (since 2019)
  - Scientific Reports (since 2019)
  - Psychology Research and Behavior Management (since 2019)
- Judge in the Neuroscience, Cognitive Function and Chronobiology section of the Emerging Leaders in Nutrition Competition, Nutrition 2019 (Annual Meeting of the American Society of Nutrition); June 8-11, 2019; Baltimore, MD
- Co-chair of the genetic and environmental interaction in human development initiative of the Institute of Developmental Science established under the Department of HDFs, TTU (2017-2019)
- Resource person: Tech Savvy Outreach Program (February 2018, February 2019)
- Vice President – Graduate Nutrition Organization of the Texas Tech University, 2015-2016.
- Secretary – Sri Lankan Student's Association of the Texas Tech University, 2015-2016.
- Mentor - Lauro Cavazos & Ophelia Powell-Malone Mentoring Program (Mentor Tech) program of the Texas Tech University, 2014 – 2016.
- Resource person: Osher Lifelong Learning Institute (OLLI) Talk – delivered at the Garden and Arts Center, Lubbock, TX on October 12, 2015 from 5.30pm – 7.00pm on the topic “This is your Brain on Food: Understanding how the brain responds to eating and to food cues in the world around us”
- Founding Director, International Student Center, Faculty (School) of Medicine, University of Peradeniya, Sri Lanka (2013-2014)