

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

(January 04, 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:

- **Research Assistant Professor**, Dept. of Human Development and Family Studies, College of Human Science, Texas Tech University, Lubbock, Texas, USA (since September 01, 2017)
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### Work Experience:

<b>Designation</b>	<b>Department/Institution</b>	<b>Period</b>
Lecturer (confirmed)	Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka.	19 <sup>th</sup> April, 2013 – 31 <sup>st</sup> August, 2018
Graduate Teaching Assistant	Department of Nutritional Sciences, College of Human Science, Texas Tech University, Lubbock, Texas, USA	1 <sup>st</sup> September, 2014 – 31 <sup>st</sup> August, 2016
Medical Doctor	Clinical Neurophysiology Unit, Teaching Hospital Peradeniya, Peradeniya, Sri Lanka.	19 <sup>th</sup> April, 2013 – 18 <sup>th</sup> July, 2014
Medical Doctor	Clinical Neurophysiology Unit, General Hospital (Teaching), Kandy, Sri Lanka.	19 <sup>th</sup> December 2012 – 18 <sup>th</sup> April 2013
Medical Doctor	Professorial Medical Unit / Stroke Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	05 <sup>th</sup> December 2012 – 18 <sup>th</sup> December 2012
Medical Doctor (undertraining license)	Professorial Medical Unit / Stroke Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	05 <sup>th</sup> June 2012 – 04 <sup>th</sup> December 2012
Medical Doctor (under training license)	Professorial Surgical Unit, Colombo North Teaching Hospital (Ragama), Faculty of Medicine, University of Kelaniya, Sri Lanka.	05 <sup>th</sup> December 2011 – 04 <sup>th</sup> June 2012
Temporary Assistant Lecturer	Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka.	25 <sup>th</sup> April 2011 – 04 <sup>th</sup> December 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)
- 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. 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/pp9.000000000000019.
2. **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 Apr 16; doi: 10.1111/dom.13323. [Epub ahead of print] PMID: 29660244
3. **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 and Behavior*. 2018 Jan 27;188:1-10. doi: 10.1016/j.physbeh.2018.01.018. [Epub ahead of print] PMID: 29421336
4. **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 Nov 16; doi: 10.1016/j.nutres.2017.11.002. [Epub ahead of print]. PMID: 29420994
5. **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*. 2017 Sep 25; 120:431-441. doi: 10.1016/j.appet.2017.09.025. [Epub ahead of print]. PMID: 28958900
6. 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 Sep 28; 120:388-397. doi:10.1016/j.appet.2017.09.012. [Epub ahead of print]. PMID: 28964904  
**(\* Authors contributed equally)**
7. **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. *Obes Rev*. 2017 Oct; 18(10):1122-1135. doi: 10.1111/obr.12566. [Epub 2017 May 30]. PMID: 28557246
8. 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. *Am J Clin Nutr*. 2017 Feb; 105(2):289-290. doi: 10.3945/ajcn.116.150813. [Epub 2017 Jan 18]. PMID: 28100508

9. **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 Dec 1; 107:348-361. doi: 10.1016/j.appet.2016.08.112. [Epub 2016 Aug 24]. PMID: 27565377
10. Chin S-H., **Kahathuduwa C.**, Binks M. Is sedentary behaviour unhealthy and if so does reducing it improve this? *Int J Clin Pract*. 2017 Feb; 71(2). doi: 10.1111/ijcp.12925. PMID: 28238228
11. Chin S., **Kahathuduwa C. N.**, & Binks M. Physical Activity and Obesity: What We Know and What We Need to Know. *Obes Rev*. 2016 Dec; 17(12):1226-1244. doi: 10.1111/obr.12460. [Epub 2016 Oct 14]. PMID: 27743411
12. **Kahathuduwa C. N.**, Dassanayake T. L., Amarakoon A. T., & Weerasinghe V. S. Acute effects of theanine, caffeine and theanine–caffeine combination on attention. *Nutr Neurosci*. 2017 Jul; 20(6):369-377. doi: 10.1080/1028415X.2016.1144845. [Epub 2016 Feb 12]. PMID: 26869148
13. **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. *J Sports Sci*. 2016; 34(10):923-8. doi: 10.1080/02640414.2015.1078487. [Epub 2015 Aug 17]. PMID: 26280452 (\* **corresponding author**)
14. 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 Sep; 32(2): 41-42.

#### In Review for Publication

1. **Kahathuduwa, C. N.**, Beights, R., West, B., Mastergeorge, A. Effects of overweight or obesity on brain resting state functional connectivity of children with autism spectrum disorder (submitted to *Autism Research* – in review after revision)
2. **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 (submitted to *JAMA Pediatrics* – in review)
3. **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 (submitted to *Autism Research* – in review)
4. Thomas D. M., Turner D., Siu C., Halliday T., Hannon B. A., **Kahathuduwa C. N.**, Kroeger C. M., Allison D. B. Best (but often forgotten) practices: identifying and accounting for regression to the mean (submitted to *American Journal of Clinical Nutrition* – in review)
5. **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. (submitted on invitation to *The journal of nutrition, health & aging* – in review)

### In Preparation for Submission

1. 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 (in preparation)
2. 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 (in preparation)
3. **Kahathuduwa, C. N.**, Wakefield, S. M., 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 (in preparation)

### Oral and poster presentations (Selected)

1. **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. SRCD 2018 Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018 Phoenix, AZ (Oral).
2. **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. SRCD 2018 Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018 Phoenix, AZ.
3. 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. SRCD 2018 Special Topic Meeting: DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science; October 4-6, 2018 Phoenix, AZ (Oral).
4. Trejos-Castillo, E., **Kahathuduwa, C. N.** Risk-Taking, Impulsivity and Executive Functions: Neurophysiological and Neuroanatomical Correlates in Early Adolescents. 2018 American Society of Criminology - 74th Annual Meeting Annual Meeting; November 14-17, Atlanta, GA.
5. Quarles, W. R., **Kahathuduwa, C. N.**, Davis, T., Binks, M. Predicting Weight-Related Activity Limitations in Individuals with Obesity. (Accepted for **oral** presentation at Current Developments in Nutrition Conference 2018 – American Society of Nutrition)
6. 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. (Accepted for presentation at Current Developments in Nutrition Conference 2018 – American Society of Nutrition)
7. 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. (Accepted for presentation at Current Developments in Nutrition Conference 2018 – American Society of Nutrition)
8. Binks, M., **Kahathuduwa, C.**, Davis, T. Do Scores on the Power of Food Scale Reflect Brain Food-cue Reactivity in People with Obesity? European Congress on Obesity; 2018 May; Vienna, Austria.
9. 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. SAGES2018; the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons; 2018 April; Seattle, WA.
10. 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? SAGES2018; the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons; 2018 April; Seattle, WA.

11. 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; 2018 May; Lubbock, TX. (**\* corresponding author; oral presentation**)
12. 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; 2018 Mar; Lubbock, TX. (**\* corresponding author – best poster award**)
13. 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; 2018 Mar; Lubbock, TX. (**\* corresponding author – second best poster award**)
14. 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 10th Asia Pacific Conference on Clinical Nutrition (APCCN); 2017 Nov; Adelaide, South Australia. (selected for **3-minute oral** presentation)
15. **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 25th Annual Meeting of the Society for the Study of Ingestive Behavior; 2017 Jul; Montreal, Canada.
16. **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 25th Annual Meeting of the Society for the Study of Ingestive Behavior; 2017 Jul; Montreal, Canada.
17. **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; 2017 Apr; Banff Springs, Canada. (**oral**)
18. **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. Annual Scientific Meeting of Experimental Biology; 2017 Apr; Chicago, IL.
19. **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. Annual Scientific Meeting of Experimental Biology; 2017 Apr; Chicago, IL.
20. 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. Annual Scientific Meeting of Experimental Biology; 2017 Apr; Chicago, IL.
21. 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. Annual Scientific Meeting of Experimental Biology; 2017 Apr; Chicago, IL.



22. **Kahathuduwa, C. N.**, Davis, T., O' Boyle, M., Boyd, L. A., Chin, S., Paniukov, D., Binks, Total Meal Replacement- and Typical Food-based Calorie Restriction Differentially Affect Visual Food-cue Reactivity of the Human Brain as Measured by fMRI. Proceedings of the 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA. **(oral)**
23. **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. Proceedings of the 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA. **(oral)**
24. **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. Proceedings of the 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA.
25. 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. Proceedings of the 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA.
26. **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. Proceedings of the 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA.
27. **Kahathuduwa, C. N.**, Binks, M. Effects of extended calorie restriction on neurotransmitter levels in human brain food reward circuitry: an MRS study. Early Career Grant Challenge at 34th Ann. Scientific Meeting of The Obesity Society; 2016 Nov; New Orleans, LA. **(oral)**
28. **Kahathuduwa, C.**, Weerasinghe, V., Dassanayake, T., Amarakoon, T., & Binks, M. High Doses of Theanine Improve Visual Stimulus Discrimination in a Dose-dependent Manner. The FASEB Journal. 2016; 30(1 Supplement), 1284-3.
29. 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; Journal of Clinical Neurophysiology 32 (4), 396.
30. **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. 2013.
31. 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., 2011, Assessment of task specific kinetic finger tremor while playing Carrom using surface electromyography. PURSE 2011 Proceedings.

### Abstracts Accepted for Oral / Poster Presentation

1. Theophilus Pham, Daron Jacob, **Chanaka Kahathuduwa**, Adel Alhaj Saleh, Amir Aryaie. 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, Baltimore MD 2019)
2. **Kahathuduwa, C.**, West, B., Blume, J., Mastergeorge, A. Autism Spectrum Disorders Increase the Risk of Childhood Obesity: a Systematic Review and Meta-analysis (SRCD Biennial Meeting, Baltimore MD 2019)
3. **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 (SRCD Biennial Meeting, Baltimore MD 2019)
4. 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 (SRCD Biennial Meeting, Baltimore MD 2019)
5. 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 (SRCD Biennial Meeting, Baltimore MD 2019)

### Abstracts in Review

1. **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 (submitted to INSAR Annual Meeting 2019, Montreal, Canada)

### **Active IRB Protocols**

1. Exploring Neuroanatomical and Neurophysiological Correlates of Autism Spectrum Disorder and Obesity via Analysis of Publically Available Neuroimaging Data (PI)
2. Association between Autism Spectrum Disorder and Obesity: A Systematic Review and Meta-analysis (PI)
3. Association between Childhood Poverty and Developmental and Cognitive Outcomes: A Systematic Review and Meta-analysis (PI)
4. Gender differences in risk-proneness, gratification delay, self-control, self-efficacy, executive functions and their neurophysiological and neuroanatomical correlates in early adolescents (Co-I)
5. Effects of L-theanine and caffeine on attention and attention-related brain activity of male children and adolescents with attention deficit hyperactive disorder: a proof-of-concept fMRI study (PI)
6. Neural correlates of the associations between sleep functioning, self-regulation, school functioning and problem behaviors in late adolescents (Co-I)

## Research Support

Role	Funding Mechanism	Amount	Funding Dates	Project Title
PI	Texas Tech University; College of Human Sciences – Come B Go seed grant	\$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 (renewed)	\$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 (renewed)	\$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
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.

Role	Funding Mechanism	Amount	Funding Dates	Project Title
PI	Society for Research in Child Development – Career Development Award (not funded)	\$7,500	06/01/2018-12/31/2018	An innovative intervention for young adults with ASD: Neurofeedback to improve behavioral symptoms and cognitive functions.
PI	Spencer Foundation - Small Grant (in review)	\$49,963	01/01/2019-12/31/2019	Studying the effects of learning chess on cognitive functions and brain functionality: implications for mathematical skills and overall academic success

## **Teaching and Training**

### Teaching in Affiliated Institutions

- 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 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, Society for Research in Child Development (SRCDD)
- Member, American Clinical Neurophysiological Society (ACNS)
- 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)
- 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
- Resource person: Tech Savvy Outreach Program (February 17, 2018)
- 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”