

## CURRICULUM VITAE

### CONTACT INFO

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Designation: Professor in Human Nutrition

Address: Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, 20400, Sri Lanka

### EDUCATION

2012 **Postdoc**, Immunology, St. Jude Children's Research Hospital, Memphis, Tennessee, USA

2011 **Ph.D.**, Nutritional Sciences (major), Exercise Physiology (minor), University of Tennessee, Knoxville, TN, USA  
Mentor: Dr. Naima Moustaid-Moussa  
Dissertation title: "Genetic and nutritional studies to elucidate the role of adipose tissue in the pathogenesis of metabolic syndrome."

2006 **M.Phil.** (Master of Philosophy), Human Physiology, University of Peradeniya, Sri Lanka

2001 **M.B.B.S.** (Bachelor of Medicine and Surgery), University of Peradeniya, Sri Lanka, Graduated with honors

1980-1993 Primary and Secondary education – Dharmaraja College, Kandy

### RESEARCH INTERESTS

Research activities are focused on identifying mechanisms responsible for obesity-associated metabolic derangements with a view of developing preventive and treatment strategies for these disorders including Type-2 diabetes mellitus. Obesity leads to a chronic low-grade inflammation in the adipose tissue, which is in part responsible for the development of whole-body insulin resistance. However, the exact trigger of this inflammatory process is hitherto unknown. The major focus of our research program is to uncover these mechanisms. We are also interested in identifying the reasons as to why individuals of Asian origin are at a higher risk of developing cardiovascular disease

compared to Caucasians at a given body mass index. Research areas include: T lymphocytes and the onset of adipose tissue inflammation and systemic insulin resistance; adipose tissue renin-angiotensin system (RAS) in the pathogenesis of insulin resistance; and mechanisms by which fatty acids modulate adipose tissue function. We employ in vivo as well as in vitro systems, with a spectrum of cellular and molecular biology techniques coupled with studies of whole-animal physiology to address important questions in the above areas of research.

## PROFESSIONAL EXPERIENCE

2013 to date	<b>Professor in Human Nutrition</b> , Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka
2015 to date	<b>Adjunct Professor</b> , Nutritional Sciences, Texas Tech University, Lubbock, TX, USA
2012 to date	<b>Consultant Nutritionist</b> , Faculty of Medicine, University of Peradeniya - providing visiting clinical nutrition services to the Teaching Hospitals of Peradeniya and Kandy
2014	<b>Visiting Associate Professor</b> , Department of Nutritional Sciences, Texas Tech University, Lubbock, TX, USA
2008 - 2013	<b>Senior Lecturer</b> Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka
2011 – 2012	<b>Research Fellow</b> , Department of Immunology, St. Jude Children’s Hospital, Memphis, TN, USA
2003 – 2008	<b>Lecturer</b> , Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka
2006 – 2011	<b>Graduate Assistant</b> University of Tennessee, Knoxville, TN, USA
2002 – 2003	<b>Intern Medical Officer</b> , Peradeniya Teaching Hospital, Peradeniya, Sri Lanka

## HONORS AND AWARDS

2016	Henry Rajaratnam orator (invited), Sri Lanka College of Endocrinologists
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- 2015 Bibile Memorial Orator (awarded), Kandy Society of Medicine, Sri Lanka
- 2015 National Research Council Merit Award for Research Publication
- 2014 International Association for the Study of Obesity (IASO), International Journal of Obesity (IJO) New Faculty Award for basic science research
- 2014 IASO Travel Fellowship
- 2014 Presidential Award for Scientific Publication, Sri Lanka
- 2013 K.N. Seneviratne Memorial Research Award, Physiological Society of Sri Lanka
- 2011 American Society for Nutrition (ASN) nutrient-gene interactions research interest section Poster Competition – 1<sup>st</sup> place
- 2011 ASN energy and macronutrient metabolism research interest section Student and Postdoc Abstract Award
- 2011 University of Tennessee, College of Education, Health and Human Sciences Graduate Student Research Award
- 2010 ASN / Nutritional Sciences Council (NSC) Graduate Student Research Award
- 2010 Invited attendee, Postdoctoral Recruiting at the McGarry Symposium, UT Southwestern Medical Center
- 2010 The University of Tennessee Chancellor's Honors for extraordinary professional promise
- 2010 Gamma Sigma Delta Ph.D. graduate student Award of Merit
- 2010 American Society for Nutrition - nutrient gene interactions research interest section poster competition – Honorable Mention
- 2010 Award for Outstanding Poster Presentation (2<sup>nd</sup> place) at Boshell Diabetes Day, Auburn University
- 2010 Graduate student award (2<sup>nd</sup> place) at Comparative & Experimental Medicine and Public Health Research Symposium, University of Tennessee
- 2010 Ruby McKeel Rives Scholarship
- 2009 American Heart Association Pre-doctoral Fellowship
- 2009 University of Tennessee Graduate Student Senate Travel Award
- 2009 National Institutes of Health Travel Award to participate in the NIH / ODS research practicum
- 2008 Catherine Burton Chi Omega Scholarship
- 2005 Kandy Society of Medicine Gold medal for the best research presentation at the annual academic sessions
- 2005 International Federation of Clinical Neurophysiology Travel Fellowship

### PROFESSIONAL SOCIETIES

American Society for Nutrition  
World Obesity Federation  
European Society Clinical Nutrition and Metabolism (ESPEN)  
Sri Lanka Medical Association

Sri Lanka College of Endocrinologists  
Physiological Society of Sri Lanka  
Sri Lanka Medical Nutrition Association – Current vice-president  
Nutrition Society of Sri Lanka  
Kandy Society of Medicine – Past secretary

## PROFESSIONAL SERVICE

### BOARD OF STUDIES

2017 to date: Member of Specialty board on Clinical Nutrition, Postgraduate Institute of Medicine (PGIM), University of Colombo, Sri Lanka

2015 to date: Member of board of study in Basic and Medical Sciences, PGIM, University of Colombo

2015 to date: Member of Speciality board in Physiology, PGIM, University of Colombo

2015 to date: Member of Curriculum development committee for MD clinical nutrition, PGIM, University of Colombo

### EXAMINER

MD (surgery) Part I examination – Examiner for Physiology

MD (Clinical Nutrition) Part I examination

### GRANT REVIEW COMMITTEES

2015 Reviewer, National Research Council, Sri Lanka

2012 Reviewer, Medical Research Council (MRC) – UK

### CONSULTANT

Nutrition consultant, Plan International Country Strategic Plan for Sri Lanka 2017-2022

EDITOR

2015 to 2016: Sri Lanka Journal of Medicine

EDITORIAL BOARD MEMBER

2016 to date: Journal of Nutritional Biochemistry (an Elsevier journal:  
impact factor: 4.7)

JOURNAL REVIEWER

Atherosclerosis  
International Journal of Obesity  
American Journal of Physiology: Endocrinology and Metabolism  
Molecular and Cellular Endocrinology  
Journal of Nutritional Biochemistry  
Obesity  
Physiological Genomics  
Gene  
Nutrition and Metabolism  
The Journal of Maternal-Fetal & Neonatal Medicine  
Journal of the Renin-Angiotensin-Aldosterone System  
Diabetes Research and Clinical Practice  
Hormone and Metabolic Research  
Molecular Nutrition and Food Research

POSTGRADUATE STUDENTS (past)

Bimba Goonapienuwala, MPhil (University of Peradeniya, Sri Lanka) — Currently a lecturer in Biochemistry, Faculty of Medicine, University of Peradeniya, Sri Lanka

Isuri Jayawardena MPhil (University of Peradeniya, Sri Lanka) – Currently Ph.D. student at Massey University, New Zealand

POSTGRADUATE STUDENTS (current)

Sanjeewani Fonseka, University of Peradeniya, Sri Lanka - Ph.D.  
Kembra Albracht, Texas Tech University, USA – Ph.D.  
Upul Senarath, University of Colombo, Sri Lanka – Ph.D.  
Kalhara Menikdiwela, Texas Tech University, USA – Ph.D.  
Sujanathi Wickramage, University of Peradeniya, Sri Lanka, Ph.D.

FUNDING AND GRANTS AWARDED

2015 – 2017 Obesity Research Custer, Texas Tech University. “Maternal Supplementation of Omega 3 Fatty Acids Alleviate Obesity-

- Associated Inflammation & Diabetes in the Offspring.” Total award: \$ 8000. Role: collaborator
- 2014 - 2015 International Research Center, University of Peradeniya. “Identification of mechanisms responsible for insulin resistance in Sri Lankan adults”. Total award: Rs. 500,000. Role: PI
- 2009 - 2011 American Heart Association, Greater Southeast Affiliate, predoctoral fellowship 09PRE2260238 “Metabolic effects of caloric restriction in mice overexpressing angiotensinogen in adipose tissue”. Total award: \$41,000. Role: PI
- 2004 – 2006 Kandy Society of Medicine, Sri Lanka, “Neurophysiological evaluation of cervical spondylotic myelopathy and radiculopathy”. Total award: Rs. 100,000. Role: PI

### PROFESSIONAL WORKSHOPS ATTENDED (INTERNATIONAL)

- 2015 First Master Class on, 'Impact of Nutrition for Rehabilitation of Older Patients”, Venice, Italy, December, 2015
- 2015 SCOPE school (conducted by World Obesity Federation), London, June, 2015
- 2013 Nestle Nutrition Institute Clinical Nutrition course, Gurgaon, New Delhi, India, October 13-18, 2013
- 2011 “Introductory Course in Immunology”, American Association of Immunologists, Philadelphia, PA, USA July 9-14, 2011
- 2009 “An organ systems approach to metabolic syndrome”, Mouse Metabolic Phenotyping Center, Vanderbilt University Medical Center, Nashville, TN, USA July 20-31, 2009
- 2009 “Dietary Supplements Research Practicum”, National Institute of Health, Office of Dietary Supplements, Bethesda, MD, USA June 1-5, 2009

### PUBLICATIONS

#### BOOK CHAPTERS:

1. ***Kalupahana NS***, Moustaid-Moussa N, Voy BH, Kim JH, Bassett D, Bray MS, Lightfoot TJ. The Regulation of Physical Activity by Genetic Mechanisms: Is There a Drive to be Active? In: *Genetic and Molecular Aspects of Sports Performance*. Edited by Bouchard C, Hoffman E: Wiley-Blackwell; 2011: 283-293

2. Bray MS, Fulton JE, ***Kalupahana NS***, Lightfoot TJ. Genetic Epidemiology, Physical Activity and Inactivity. In: *Genetic and Molecular Aspects of Sport Performance*. Edited by Bouchard C, Hoffman E: Wiley-Blackwell; 2011: 81-89
3. Siriwardhana N, ***Kalupahana NS*** and Moustaid-Moussa N. Health benefits of n-3 polyunsaturated fatty acids: eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). In *Handbook of Marine Medicinal Food: Applications and Implications (2nd Ed.)* Edited by Se-Kwon Kim: Elsevier; 2012
4. ***Kalupahana NS***, Jayalath T, Wang S and Moustaid-Moussa N. Regulation and metabolic effects of white adipose tissue SCD expression. In: *Stearoyl Coenzyme-A Desaturase Genes in Lipid Metabolism*. Edited by James M. Ntambi: Springer; 2013: 49-60
5. ***Kalupahana NS***, Wang S, Rahman S and Moustaid-Moussa N. Function and regulation of macrophage SCD in metabolic disorders. In: *Stearoyl Coenzyme-A Desaturase Genes in Lipid Metabolism*. Edited by James M. Ntambi: Springer; 2013:61-71

PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. ***Kalupahana NS***, Weerasinghe VS, Dangahadeniya U, Senanayake N. Abnormal parameters of magnetically evoked motor evoked potentials in patients with cervical spondylotic myelopathy. *Spine Journal* 2008; 8(4):645-9
2. Wortman P, Miyazaki Y, ***Kalupahana NS***, Kim S, Hansen-Petrik M, Saxton AM, Claycombe KJ, Voy BH, Whelan J and Moustaid-Moussa N. n3 and n6 polyunsaturated fatty acids differentially modulate prostaglandin E secretion but not markers of lipogenesis in adipocytes. *Nutrition & Metabolism* 2009; 6:5
3. ***Kalupahana NS***, Claycombe K, Newman SJ, Stewart T, Siriwardhana N, Matthan N, Lichtenstein A and Moustaid-Moussa N. Eicosapentaenoic acid prevents and reverses insulin resistance in high-fat diet-induced obese mice via modulation of adipose tissue inflammation. *Journal of Nutrition* 2010; 140(11):1915-22
4. ***Kalupahana NS***, Voy BH, Saxton A and Moustaid-Moussa N. Energy-restricted high-fat diets only partially improve markers of systemic and adipose tissue inflammation. *Obesity (Silver Spring)* 2011; 19(2):245-54
5. ***Kalupahana NS***, Claycombe K and Moustaid-Moussa N. Omega-3 fatty acids alleviate adipose tissue inflammation and insulin resistance: mechanistic insights. *Advances in Nutrition* 2011; 2: 304-316
6. ***Kalupahana NS*** and Moustaid-Moussa N. Overview to Symposium "Systems Genetics in Nutrition and Obesity Research". *Journal of Nutrition* 2011; 141(3):512-4
7. ***Kalupahana NS***, Moustaid-Moussa N. Genetics, Physical Activity and Chronic Diseases: an Intricate Relationship. *Sri Lanka Medical Journal*, 2011; 20(1):1-15
8. ***Kalupahana NS*** and Moustaid-Moussa N. The adipose tissue renin-angiotensin system and metabolic disorders: a review of molecular mechanisms. *Critical Reviews in Biochemistry and Molecular Biology*, 2012;47(4):379-390
9. ***Kalupahana NS***, Massiera F, Quignard-Boulange A, Ailhaud G, Voy BH, Wasserman DH and Moustaid-Moussa N. Overproduction of angiotensinogen from adipose tissue induces adipose tissue inflammation, glucose intolerance and insulin resistance. *Obesity (Silver Spring)*, 2012 Jan;20(1):48-56.

10. **Kalupahana NS**, Moustaid-Moussa N and Claycombe K. Immunity as a link between obesity and insulin resistance. *Molecular Aspects of Medicine*, 2012 Feb;33(1):26-34.
11. **Kalupahana NS**, Moustaid-Moussa N. The renin-angiotensin system: a link between obesity, inflammation and insulin resistance. *Obesity Reviews*, 2012 Feb;13(2):136-49.
12. Siriwardhana N, **Kalupahana NS**, Fletcher S, Xin W, Claycombe KJ, Quignard-Boulange A, Zhao L, Saxton AM, Moustaid-Moussa N. n-3 and n-6 polyunsaturated fatty acids differentially regulate adipose angiotensinogen and other inflammatory adipokines in part via NF- $\kappa$ B-dependent mechanisms. *Journal of Nutritional Biochemistry*, 2012; 23(12):1661-7
13. Moustaid-Moussa N, Costello CA, Greer BP, Fitzhugh EC, Spence ML, Muenchen RA and **Kalupahana NS**. Predictors of body mass index in female parents whose children participate in a competitive, creative, problem-solving program. *Journal of Food and Nutrition Research*, 2012; 56
14. Shi LZ, **Kalupahana NS**, Turnis ME, Neale G, Hock H, Vignali DA, Chi H. Inhibitory role of the transcription repressor Gfi1 in the generation of thymus-derived regulatory T cells. *Proc Natl Acad Sci USA*. 2013; 110(34):E3198-205
15. Fletcher SJ, **Kalupahana NS**, Bejnood M, Kim JH, Saxton AM, Wasserman D, De Taeye B, Voy BH, Quignard-Boulange A and Moustaid-Moussa N. Transgenic mice overexpressing renin exhibit glucose intolerance and diet-genotype interactions. *Frontiers in Endocrinology*, 2013 Jan 7;3:166
16. Siriwardhana N, **Kalupahana NS**, Cekanova M, Lemieux M, Greer B, Moustaid-Moussa N. Modulation of adipose tissue inflammation by bioactive food compounds. *Journal of Nutritional Biochemistry*, 2013 Apr;24(4):613-23
17. Carroll WX, **Kalupahana NS**, Booker SL, Siriwardhana N, Lemieux M, Saxton AM, Moustaid-Moussa N. Angiotensinogen gene silencing reduces markers of lipid accumulation and inflammation in cultured adipocytes. *Front Endocrinol (Lausanne)*. 2013;4:10.
18. Somasundaram NP, Wijeyaratne CN, De Silva S, Siribaddana S, Illangasekera U, Rajaratnam H, Katulanda P, Bulugahapitiya U, Siyambalapitiya S, Antonypillai C, Sumanatilleke M, Katulanda G, Jayawardena P, **Kalupahana NS** et al. Diabetes Mellitus: Glucose Control. *Sri Lanka Journal of Diabetes Endocrinology and Metabolism* 2013; 3(1): 45-57
19. Abdel-Hamid T, Ankel F, Battle-Fisher M, Gibson B, Gonzalez-Parra G, Jalali M, Kaipainen K, **Kalupahana NS** et al. Public and health professionals' misconceptions about the dynamics of body weight gain/loss. *System Dynamics Review* 2014; 30(1-2): 58–74
20. Somasundaram N, Rajaratnam H, Wijeyarathne C, Katulanda P, De Silva S, Wickramasinghe P, Bulugahapitiya U, Siribaddana S, Siyambalapitiya S, Antonypillai C, Sumanathilake M, Garusinghe C, Muthukuda D, Niranjala MWS, Attapattu N, **Kalupahana NS** et al. Clinical guidelines: The Endocrine Society of Sri Lanka: Management of Obesity. *Sri Lanka Journal of Diabetes, Endocrinology and Metabolism* 2014; 1: 55-70
21. LeMieux MJ, **Kalupahana NS**, Scoggin S and Moustaid-Moussa N. Eicosapentaenoic acid induces adipocyte hypertrophy and reduces adipocyte



- inflammation in an adiposity-independent manner. *Journal of Nutrition* 2015; 145(3):411-7
22. **Kalupahana NS**, Jayalath T, Ralapanawa U. Prevention of non-communicable diseases- the time to act is now. *Sri Lanka Journal of Medicine* 2015; 24(1):1-2
  23. LeMieux MJ, Mynatt R, **Kalupahana NS**, Kim JH, Ramalingam L, and Moustaid-Moussa N. Inactivation of Adipose Angiotensinogen Reduces Adipose Tissue Macrophages and Increases Adipose Cell Metabolic Activity. *Obesity (Silver Spring)* 2016 ;24(2):359-67
  24. Somasundaram NP, **Kalupahana NS**. Population-based dietary approaches for the prevention of noncommunicable diseases. *WHO South-East Asia J Public Health* 2016; 5(1): 22–26
  25. Pahlavani M, Razafimanjato F, Ramalingam L, **Kalupahana NS**, Moussa H, Scoggin S, Moustaid-Moussa N. Eicosapentaenoic acid regulates brown adipose tissue metabolism in high-fat-fed mice and in clonal brown adipocytes. *Journal of Nutritional Biochemistry*. 2016;39:101-109
  26. Ramalingam L, Menikdiwela K, LeMieux M, Dufour JM, Kaur G, **Kalupahana NS**, Moustaid-Moussa N. The renin angiotensin system, oxidative stress and mitochondrial function in obesity and insulin resistance. *Biochim Biophys Acta*. 2016: S0925-4439(16)30187-9
  27. Shi LZ, Zeng H, **Kalupahana NS**, Neale G and Chi H. Gfi1-Foxo1 axis controls the fidelity of effector gene expression and developmental maturation of thymocytes. *Proc Natl Acad Sci U S A*. 2017 Jan 3;114(1):E67-E74.
  28. Jayawardana NWIA, Jayalath WATA, Madhujith WMT, Ralapanawa U, Jayasekera RS, Alagiyawanna SASB, Bandara AMKR, **Kalupahana NS**. Aging and obesity are associated with undiagnosed hypertension in a cohort of males in the Central Province of Sri Lanka: a cross-sectional descriptive study. *BMC Cardiovasc Disord*. 2017 Jun 21;17(1):165.
  29. Goonapienuwala BL, Agampodi SB, **Kalupahana NS**, Siribaddana S. Body image construct of Sri Lankan adolescents. *Ceylon Med J*. 2017 Mar 31;62(1):40-46.
  30. Jayawardana NW, Jayalath WA, Madhujith WM, Ralapanawa U, Jayasekera RS, Alagiyawanna SA, Bandara AM, **Kalupahana NS**. Lifestyle factors associated with obesity in a cohort of males in the central province of Sri Lanka: a cross-sectional descriptive study. *BMC Public Health*. 2017 Jan 5;17(1):27.
  31. Allen L, Ramalingam L, Menikdiwela K, Scoggin S, Shen CL, Tomison MD, Kaur G, Dufour JM, Chung E, **Kalupahana NS**, Moustaid-Moussa N. Effects of Delta-Tocotrienol on Obesity-Related Adipocyte Hypertrophy, Inflammation, and Hepatic Steatosis in High Fat Fed Mice. *J Nutr Biochem*. 2017 Oct;48:128-137.
  32. Pahlavani M, **Kalupahana NS**, Ramalingam L, Moustaid-Moussa N. Regulation and Functions of the Renin-Angiotensin System in White and Brown Adipose Tissue. *Compr Physiol*. 2017 Sep 12;7(4):1137-1150.

ABSTRACTS

1. **Kalupahana NS**, Weerasinghe VS, Dangahadeniya U, Senanayake N. Role of magnetic stimulation in the evaluation of cervical radiculopathy. *Proceedings of the annual sessions of the Physiological society of Sri Lanka* 2003: 4 (Oral presentation)
2. **Kalupahana NS**, Weerasinghe VS, Dangahadeniya U, Senanayake N. Abnormal parameters of motor evoked potentials in cervical myelopathy. *Proceedings of the annual sessions of the Physiological society of Sri Lanka* 2004: 8 (Oral presentation)
3. **Kalupahana NS**, Dangahadeniya U, Senanayake N. A comparison of neurophysiological investigations in the assessment of cervical radiculopathy. *Proceedings of the 27th annual academic sessions of the Kandy Society of Medicine* 2005; 27: 25 (Oral presentation)
4. **Kalupahana NS**, Weerasinghe VS, Dangahadeniya U, Senanayake N. Duration of motor evoked potentials by magnetic stimulation in cervical myelopathy. Abstracts of the Asian and Oceanian symposium on clinical neurophysiology: *The neurology journal of Thailand*. Jan-June 2005 (Suppl); 5(1): 81 (Oral presentation)
5. Weerasinghe VS, Manuwickrama TD, **Kalupahana NS**, Wickramasinghe EMN, Abeysekera CK, Senanayake N. Brainstem auditory evoked potentials in high risk infants in Sri Lanka. Abstracts of the Asian and Oceanian symposium on clinical neurophysiology: *The neurology journal of Thailand*. Jan-June 2005 (Suppl); 5(1): 104
6. Voy B, Nakata C, Malm I, **Kalupahana NS**, Moustaid-Moussa N, Chesler E, and Webb L. Systems genetics: elucidating networks that underlie heritable variation in adipose function. *FASEB J*. 2007 21:947.413.
7. **Kalupahana NS**, Giannone RJ, Fletcher SJ, Kim H, Stewart A, Hall L, Saxton A, Voy BH and Moustaid-Moussa N. Metabolic and genomic changes induced by macronutrient composition vs. caloric restriction *FASEB J*. 2008 22:294.5 (Oral presentation)
8. Fletcher S, Lee MJ, Heo YR, **Kalupahana NS**, Hall L, Barros-Mazon S, Glynn NM, Voy BH, Fried SK and Moustaid-Moussa, N. Nutritional and hormonal regulation of angiotensinogen in human adipose tissue. *FASEB J*. 2008 22:294.6
9. Booker S, Kojima C, **Kalupahana NS**, Cooper T, Jenkins SJ, Kattesh H, Whitlock B, Moustaid-Moussa N. N-3 polyunsaturated fatty acid supplementation modulates markers of inflammation and lipid metabolism in the minipig model of human obesity. *Obesity* 2009; 17 (Suppl 2) S25111
10. **Kalupahana NS**, Voy B, Fletcher S, Stewart T, Kim JH, Quignard-Boulangé A, Wasserman D, Moustaid-Moussa N. Mechanisms linking overproduction of angiotensinogen by adipose tissue to inflammation, glucose intolerance and insulin resistance. *Obesity* 2009; 17 (Suppl 2) S58 (Oral presentation)
11. **Kalupahana NS**, Claycombe K, Fletcher S, Wortman P, Moustaid-Moussa N. Mechanisms of eicosapentaenoic acid-mediated improvements in adipose tissue inflammation in diet-induced obese mice. *Obesity* 2010; 18 (Suppl 2) S73 (Poster)
12. **Kalupahana NS**, Claycombe K, Stewart T, Hadidsaz R, Booker S, Siriwardhana N and Moustaid-Moussa N. Anti-inflammatory and metabolic mechanisms by which omega-3 fatty acids improve insulin resistance in high fat diet-induced obese mice. *FASEB J*. 2010 24:551.2 (Oral presentation)

13. ***Kalupahana NS***, Fletcher SJ, Stewart T, Voy BH, Quignard-Boulange A, Wasserman D, Moustaid-Moussa N. Mechanisms Linking Overproduction of Angiotensinogen by Adipose Tissue to Inflammation, Glucose Intolerance and Insulin Resistance. Boshell Diabetes and Metabolic Diseases Research Program, 2010 (Oral presentation)
14. Siriwardhana N, Fletcher S, Xin W, ***Kalupahana NS***, Mukherjee A, Smolensky S, Layman R, Wortman P, Zhao L, Saxton A and Moustaid-Moussa N. Eicosapentaenoic acid (EPA) regulates angiotensinogen and other inflammatory adipokines. Annual meeting of The Obesity Society, 2010
15. Siriwardhana N, Fletcher S, Xin W, Mukherjee A, ***Kalupahana NS***, Booker S, Wortman P, Saxton AM, Moustaid-Moussa N. Eicosapentaenoic acid (EPA) regulates hypertensive inflammatory and adipogenic mediators in mouse and human adipocytes. Boshell Diabetes and Metabolic Diseases Research Program, 2010
16. Siriwardhana N, Xin W, ***Kalupahana NS***, Booker S, Saxton AM, Moustaid-Moussa N. Quercetin Overcomes Rosiglitazone-Associated Adiposity and Adiposity-Associated Inflammation. Boshell Diabetes and Metabolic Diseases Research Program, 2010
17. ***Kalupahana NS***, Xin W, Quignard-Boulange A, Wasserman D and Moustaid-Moussa N. Overactivation of the adipose tissue renin angiotensin system contributes to insulin resistance in high-fat diet-induced obesity. *FASEB J* March 17, 2011 25:340.3 (Oral presentation)
18. Xin W, ***Kalupahana NS***, Booker S, Siriwardhana N and Moustaid-Moussa N. Silencing of the angiotensinogen gene in adipocytes decreases markers of inflammation, lipogenesis and adipogenesis. *FASEB J* March 17, 2011 25:775.14 (Poster)
19. Siriwardhana N, Layman R, Patel S, Wang Q, ***Kalupahana NS***, Xin W, Ming-Hui Z, Wimalasena J and Moustaid-Moussa N. Breast cancer and adipose cell interactions and modulation by polyunsaturated fatty acids. *FASEB J* March 17, 2011 25:235.2 (Oral presentation)
20. Xin W, ***Kalupahana NS***, Booker SL, Siriwardhana N, Saxton AM and Moustaid-Moussa N. Angiotensinogen gene silencing in adipocytes reduces markers of inflammation and lipid accumulation *FASEB J* March 29, 2012 26:824.6 (Oral presentation)
21. Lemieux M, Kalupahana NS, Xin W, Thanamool C, Voorhees V, Siriwardhana N, Claycombe K, Moustaid-Moussa N. Eicosapentaenoic acid prevents high fat diet-induced metabolic disorders: Genomic and metabolomic analyses of underlying mechanisms. *FASEB J* 2013 27:865.7
22. Aljawadi A, Lemieux M, Kalupahana NS, Siriwardhana N, Claycombe K, Moustaid-Moussa N. Metabolomic and genomic profiling of n-3 polyunsaturated fatty acid effects on muscle metabolism in mice fed a high fat diet. *FASEB J* 2013 27
23. Shi LZ, Kalupahana NS, Turnis M, Neale G, Vignali D, Chi H. Gfi1 couples maturation of DP thymocytes and generation of nTreg cells (P4418) *The Journal of Immunology* 190, 52.29; 2013
24. Jayalath WATA, Piyaratne R, ***Kalupahana NS***. Prevalence of undernutrition among hospitalized patients in a medical ward at Teaching Hospital, Peradeniya.

- Proceedings of the 35th annual academic sessions of the Kandy Society of Medicine* 2013 (Oral presentation)
25. Wijetunge S, Kotakadeniya HMSRB, Ratnayake RMCJ, Siriwardena NLW, **Kalupahana NS**. Adipose tissue macrophage infiltration correlates with obesity indices in adult sri lankan females. *Proceedings of the 35th annual academic sessions of the Kandy Society of Medicine* 2013 (Oral presentation)
  26. **Kalupahana NS**, LeMieux M, Aljawadi A, Pahlavani M, Scoggin S, Claycombe K, Moustaid-Moussa N. Eicosapentaenoic acid ameliorates high-fat diet-induced insulin resistance via modulating adipose tissue function. Abstracts of the 12th International Congress on Obesity, Obesity Reviews Volume 15, Issue Supplement S2, pages 53–97, 2014
  27. Goonapienuwala B, Agampodi S, **Kalupahana N**, Wijayakoon W, Bopeththa B, Senevirathne N, Adhikari D, Henegama A, Siribaddana, S. Body dissatisfaction and prevalence of obesity among Sri Lankan rural adolescents. Abstracts of the 12th International Congress on Obesity, Obesity Reviews Volume 15, Issue Supplement S2, pages 53–97, 2014
  28. Rankothkumbura JP, Rosairo S, Wijetunge S, Kotakadeniya HMSRB, Ratnayake RMCJ, Bandara AMBD, Karunaratna KPG, Harangala PUB, **Kalupahana NS**. Fatty liver, but not adipose tissue macrophage infiltration is associated with impaired fasting glucose in adult Sri Lankan females. *Proceedings of the 35th annual academic sessions of the Kandy Society of Medicine* 2014 (Oral presentation)
  29. Jayalath WATA, Chandramal N, Ralapanawa U, Jayasekera RS, **Kalupahana NS**. Prevalence of overweight and obesity among adult drivers of the central province. *Proceedings of the 35th annual academic sessions of the Kandy Society of Medicine* 2014 (Oral presentation)
  30. Chandramal N, Jayalath WATA, Ralapanawa U, Jayasekera RS, **Kalupahana NS**. Distribution of blood groups among drivers in the central province. *Proceedings of the 35th annual academic sessions of the Kandy Society of Medicine* 2014 (Oral presentation)
  31. Pahlavani M, **Kalupahana NS**, LeMieux M, Aljawadi A, Scoggin S, Claycombe K, Moustaid-Moussa N. Eicosapentaenoic acid regulates brown adipose tissue gene expression and metabolism in high fat fed mice. *The FASEB Journal* 28 (1 Supplement), 1037.5; 2014
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