# Mohanraj Krishnan, Ph.D. Assistant Professor of Pennsylvania State University Adjunct Assistant Professor at University of North Carolina at Chapel Hill

<u>ADDRESS</u>

Biobehavioral Health (BBH) Department

Pennsylvania State University

**University Park** 

State College, Pennsylvania, 16802

Carolina Population Center

University of North Carolina at Chapel Hill

123 W. Franklin St.

Chapel Hill, North Carolina, 27516

**EDUCATION** 

2018 **Doctor of Philosophy** 

Genetics

University of Auckland, New Zealand,

Dissertation: Genetic studies of Obesity in New Zealand: A Children of SCOPE

study.

Advisor: Professor Andrew Shelling

2011 Masters of Science (MSc) with Distinction

Genetics

University of Otago, New Zealand.

Dissertation: Testing the Vitamin D<sub>3</sub> metabolic gene variants for association

with gout in the New Zealand case-control sample-sets.

Advisor: Professor Tony Merriman

2008 Postgraduate Diploma of Science (PgDipSci) with Credit

Microbiology

University of Otago, New Zealand.

2007 Bachelor of Biomedical Sciences (BBioMedSci)

Molecular Basis of Health and Disease University of Otago, New Zealand.

PROFESSIONAL EXPERIENCE

**2024 - present** Tenure track Assistant Professor

Biobehavioral Health and Cancer Institute

Pennsylvania State University

**2024 - present** Adjunct Assistant Professor

Genetic Epidemiology

University of North Carolina at Chapel Hill

**2022 - 2024** Postdoctoral Fellow

Carolina Population Center (CPC)

University of North Carolina at Chapel Hill

**2019-2021** Postdoctoral Associate

Department of Human Genetics Graduate School of Public Health

University of Pittsburgh

**2018-2019** Postdoctoral Research Fellow

Department of Medicine and Obstetrics and Gynecology

University of Auckland, New Zealand

**2012 – 2013** Research Assistant

Department of Medicine

University of Auckland, New Zealand University of North Carolina at Chapel Hill

### **HONORS/AWARDS**

2023 Recipient of the SPLENDOR-NC Scholar program: Supporting, Promoting, and

Launching the Expansion of Nutrition, Diabetes, and Obesity Researchers in North

Carolina.

2018 Sir John Logan Campbell (SJLC) Medical Fellowship for overseas collaboration at

the University of Pittsburgh.

**2017** Ko Awatea Counties Manukau Emerging Researcher Award, New Zealand.

2017 Ko Awatea Counties Manukau Best Obesity and Related Disease Presentation,

New Zealand.

2017 Ko Awatea Counties Manukau People's Choice Award for Best Research, New

Zealand.

2015 Oral finalist in the Exposure Postgraduate Research Exposition, University of

Auckland. New Zealand.

2014 University of Auckland Doctoral Academic Career Module (DACM) Scholarship

(fully paid year course), University of Auckland, New Zealand.

2014 Auckland Medical Research Foundation (AMRF) Emerging Researcher Award,

University of Auckland, New Zealand.

**2014** Auckland Medical Research Foundation (AMRF) travel grant.

2014 1st place of the University of Auckland HealthEx presentation (student organized

conference designed to promote research activity and excellence in presentation).

**2013** 2<sup>nd</sup> place for the oral presentation in the University of Auckland. Gravida organized

symposium, University of Auckland, New Zealand.

2013 University of Auckland, Liggins, Gravida PhD scholarship, University of Auckland,

New Zealand.

#### **GRANTS**

2024 Co-Investigator of the Penn State Inter-Institutional Partnerships for Diversifying

Research funding - "Interdisciplinary Partnerships to Foster Health Equity in the

Lower Rio Grande Valley": (\$25,000).

2024 Recipient of the Trans-Omics for Precision Medicine (TOPMed) Fellowship –

"Leveraging integrative multi-omics to disentangle molecular mechanisms for severe obesity in diverse cohorts participating in Trans-Omics for Precision

Medicine (TOPMed) Program": (\$75,000).

2024 Recipient of the Pilot and Feasibility (P&F) award from SPLENDOR-NC -

"Proteomic Signatures of Severe Obesity in High-Risk Populations": (\$50,000).

**2018** Maurice and Phyllis Paykel Trust (MPPT) project grant to investigate – "Favorable

adiposity genes in Māori and Pacific (Polynesian) people": (\$14,000).

2015 University of Auckland Liggins Gravida additional funds grant for- "Testing Copy

Number Variations with Obesity Traits", (\$15,000).

### **PUBLICATIONS**

\*Co-first/senior authorship

### PUBLISHED OR IN-PRESS

- 17. Amitrano, F, **Krishnan M\***, Murphy Rinki, Okesene-Gafa, K. A. M, Ji M, Thompson J.M.D, Taylor R.S, Merriman T.R, Rush E, McCowan M, McCowan L.M.E, McKinlay C.J.D. (2024). The impact of *CREBRF* rs373863828 Pacific-variant on infant body composition. *Sci Rep* **14**, 8825. https://doi.org/10.1038/s41598-024-59417-5.
- 16. Carlson, J.C, **Krishnan M**, Liu S, Anderson K.J, Zhang J.Z, Yapp T, Chiyka E.A, Dikec D.A, Cheng H, Naseri T, Reupena M.S, Viali S, Deka R, Hawley N.L, McGarvey S.T, Weeks D.E, Minster R.L. (2023). Improving imputation quality in Samoans through the integration of population-specific sequences into existing reference panels. *medRxiv*. doi: https://doi.org/10.1101/2023.10.31.23297835
- 15. Moors, J\*, **Krishnan M\*.,** Sumpter N., Takei R., Bixley M., Cadzow M., Major T.J., Phipps-Green A., Topless R., Merriman M., Rutledge M., Morgan B., Carlson J.C., Zhang J., Russell E.M., Guangyun S., Cheng H., Weeks D.E., Naseri T., Reupena M.S., Viali S., Tuitele J., Hawley N.L., Deka R., McGarvey S.T., Zoysa J., Murphy R., Dalbeth N., Stamp L., Taumoepeau M., King F., Wilcox P., Rapana N., McCormick S., Minster R.L., Merriman T.R., Leask M. (2023). A Polynesian-specific missense CETP variant alters the lipid profile. *HGG Adv, 4*(3), 100204. doi:10.1016/j.xhgg.2023.100204
- 14. Toomata, Z., Leask, M., **Krishnan, M**., Cadzow, M., Dalbeth, N., Stamp, L.K., de Zoysa, J., Merriman, T., Wilcox, P., Dewes, O., and Murphy, R. (2023). Genetic testing for misclassified monogenic diabetes in Maori and Pacific peoples in Aotearoa New Zealand with early-onset type 2 diabetes. Front Endocrinol (Lausanne) *14*, 1174699. 10.3389/fendo.2023.1174699
- 13. **Krishnan M**, Phipps-Green A, Russell EM, Major TJ, Cadzow M, Stamp LK, et al. Association of rs9939609 in FTO with BMI among Polynesian peoples living in Aotearoa New Zealand and other Pacific nations. J Hum Genet. 2023 Mar 2. doi: 10.1038/s10038-023-01141-5. Epub ahead of print. PMID: 36864286.
- 12. Zhang JZ, Heinsberg LW, **Krishnan M**, Hawley NL, Major TJ, Carlson JC, et al. Multivariate analysis of a missense variant in CREBRF reveals associations with measures of adiposity in people of Polynesian ancestries. Genet Epidemiol. 2023;47(1):105-18.
- 11. Carlson JC, **Krishnan M**, Rosenthal SL, Russell EM, Zhang JZ, Hawley NL, et al. A stop-gain variant in BTNL9 is associated with atherogenic lipid profiles. HGG Adv. 2023;4(1):100155.
- 10. Russell, E.M., Carlson, J.C., **Krishnan M.**, Hawley N.L., Sun G., Cheng H., Naseri T., Reupena M.S., Viali S., Tuitele J., Major T.J., Miljkovic I., Merriman T.R., Deka R., Weeks D.E., McGarvey S.T., Minster R.L. (2022). *CREBRF* misense variant rs373863828 has both direct and indirect effects on type 2 diabetes and fasting glucose in Polynesian peoples living in Samoa and Aotearoa New Zealand. *BMJ Open Diabetes Res Care*, Feb;10(1):e002275. doi: 10.1136/bmjdrc-2021-002275. PMID: 35144939; PMCID: PMC884520
- 9. **Krishnan, M.**, Murphy, R., Okesene-Gafa, K. A. M., Ji, M., Thompson, J. M. D., Taylor, R. S., Merriman T R., McCowan L M E., McKinlay, C. J. D. (2020). The Pacific-specific CREBRF rs373863828 allele protects against gestational diabetes mellitus in Māori and Pacific women with obesity. *Diabetologia*, *63*(10), 2169-2176. doi:10.1007/s00125-020-05202-8.

- 8. Metcalfe, L. K\*., **Krishnan, M\*.,** Turner, N., Yaghootkar, H., Merry, T. L., Dewes, O., Hindmarsh J H., De Zoysa J., Dalbeth N., Merriman T R., Smith G., Shepherd P., Murphy, R. (2020). The Maori and Pacific specific CREBRF variant and adult height. *Int J Obes (Lond)*, *44*(3), 748-752. doi:10.1038/s41366-019-0437-6.
- 7. **Krishnan, M**., Major, T.J., Topless, R.K., Dewes, O., Yu, L., Thompson, J.M.D., McCowan, L.E., de Zoysa, J., Stamp, L.K., Dalbeth, N.,Hindmarsh, J.H., Rapana. N.,Deka,R., Eng,W.W.H., Weeks, D.E., Minster, R.L., McGarvey, S.T., Viali, S., Wilcox, P., Grattan,D., Shepherd, P.R., Shelling, A.N., Murphy, R., Merriman, T.R. (2018). Discordant association of the CREBRF rs373863828 minor allele with increased body mass index and protection from type 2 diabetes in Māori and Pacific (Polynesian) people living in New Zealand. *Diabetologia*. 2018;61:1603-13.
- 6. Major T.J., **Krishnan, M**., Topless, R.K., Dewes, O., Thompson, J.M.D., de Zoysa, J., Stamp, L.K., Dalbeth, N., Deka,R., Weeks, D.E., Minster, R.L., Wilcox, P., Grattan,D., Shepherd, P.R., Shelling, A.N., Murphy, R., Merriman, T.R. (2018).Comment: Re Widespread prevalence of a CREBRF variant amongst Māori and Pacific children is associated with weight and height in early childhood. *International Journal of Obesity*.
- 5. **Krishnan, M**., Shelling, A. N., Wall, C. R., Mitchell, E. A., Murphy, R., McCowan, L. M. E., Thompson, J. M. D. & Children of, S. s. g. (2017). Gene-By-Activity Interactions on Obesity Traits of Six Year Old New Zealand European Children: A Children of SCOPE Study. *Pediatr Exerc Sci*, 1-55.
- 4. **Krishnan, M**., Shelling, A. N., Wall, C. R., Mitchell, E. A., Murphy, R., McCowan, L. M. E., Thompson, J. M. D. & Children of, S. S. G. (2017). Gene-by-environment interactions of the CLOCK, PEMT, and GHRELIN loci with average sleep duration in relation to obesity traits using a cohort of 643 New Zealand European children. *Sleep Med* **37**, NZRSTCV–092009 19-26.
- 3. **Krishnan, M.,** Thompson, J. M. D., Mitchell, E. A., Murphy, R., McCowan, L. M. E., Shelling, A. N. & On Behalf Of The Children Of Scope Study Group, G. (2017). Analysis of association of gene variants with obesity traits in New Zealand European children at 6 years of age. *Mol Biosyst*.
- 2. Vaidyanathan, V., Naidu, V., Kao, C. H., Karunasinghe, N., Bishop, K. S., Wang, A., Pallati, R., Shepherd, P., Masters, J., Zhu, S., Goudie, M., **Krishnan, M**., Jabed, A., Marlow, G., Narayanan, A.(Krishnan et al., 2017) & Ferguson, L. R. (2017). Environmental factors and risk of aggressive prostate cancer among a population of New Zealand men a genotypic approach. *Mol Biosyst* **13**, 681-698.
- 1. Bentley, R. W., Keown, D., Merriman, T. R., **Krishnan, M. R.**, Gearry, R. B., Barclay, M. L., Roberts, R. L. & Day, A. S. (2011). Vitamin D receptor gene polymorphism associated with inflammatory bowel disease in New Zealand males. *Alimentary Pharmacology & Therapeutics* **33**, 855-856.

## <u>UNDER REVIEW</u>

Genome-wide association study identifies novel risk loci and provides new insights into genetic architecture of severe obesity.

Trans-ancestry Genome Wide Association Study (GWAS) of childhood body mass index identifies novel loci and age-specific effects.

High-Dimensional Multi-Omics characterization of severe obesity in Mexican Americans.

Socioeconomic disadvantage is associated with metabolite peaks linked to increased chronic disease risk: the Coronary Artery Risk Development in Young Adults (CARDIA) Study.

#### **IN PREPARATION**

Genome-wide association study of the human metabolome in diverse ancestries identifies ancestry-enriched associations of several loci in individuals with African ancestry.

Mendelian Randomization analysis of metabolites associated with severe obesity in the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL).

### **INVITED TALKS**

Severe Obesity and Diabetes (2024) North Carolina Diabetes Research Center (NCDRDC) Faculty Development Workshop, Union Square Campus in Greensboro, NC, USA.

Adiposity in the Antipodes: Joining forces to tackle metabolic diseases in the Pacific Islands (2023), Wake Forest University, Winston Salem, NC, USA.

The genetics of severe obesity in diverse populations (2023), Demography Daze, Duke University, NC, USA.

Association of gene variants with obesity traits in New Zealand European children (2015), King's College, London, England.

The evolution of obesity- a genetics perspective, Gravida Symposium (2014), University of Auckland, Auckland, New Zealand.

### **CONFERENCE PROCEEDINGS**

## **PLENARY**:

**Krishnan M**, Murphy R, McKinlay C, Okesene-Gafa K, Ji M, Thompson J.M.D, Taylor R, Merriman T.R, McCowan L.M.E (2019) The *CREBRF* Type 2 Diabetes protective allele is associated with reduced risk of Gestational Diabetes Mellitus in Māori and Pacific women with obesity. Paper presented at the 23rd Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), Gold Coast, Queensland, Australia (2019).

#### <u>POSTER</u>

Spor L.M, Carlson J.C, Wehr J, Russell E.M, **Krishnan M**, Liu S, Cheng H, Naseri T, Reupena M.S, Viali S, Tuitele J, Kershaw E.E, Deka R, Hawley N.L, McGarvey S,.T, Weeks D.E, Minster R.L (2024), Variation of multi-ancestry polygenic scores for lipid levels in 3,119 participants from Samoa and American Samoa. Paper presented at the 74<sup>th</sup> meeting of the American Society of Human Genetics, Denver, Colorado.

Frankel E, Petty L, Roshani R, Zhu W, Hsin-Chen H, Yaser M, Graff M, **Krishnan M**, Buchanan V, Lee M, Guittirrez A, Highland H.M, Young K.L, McCormick J.B, Fisher-Hoch S.P, North K.E, Below J.E (2024), Multi-omic characterization of persons living with T2D in a vulnerable Hispanic/Latino population. Paper presented at the 33<sup>rd</sup> annual meeting of the International genetic Epidemiology Society meeting, Denver, Colorado.

Frankel E, Petty L, Roshani R, Zhu W, Hsin-Chen H, Yaser M, Graff M, **Krishnan M**, Buchanan V, Lee M, Guittirrez A, Highland H.M, Young K.L, McCormick J.B, Fisher-Hoch S.P, North K.E, Below J.E (2024), Multi-omic characterization of persons living with T2D in a vulnerable Hispanic/Latino population. Paper presented at the 74<sup>th</sup> meeting of the American Society of Human Genetics, Denver, Colorado.

Yapp T.J, **Krishnan M,** Liu S, Manna S.L, Cheng H, Naseri T, Reupena M.S, Viali S, Tuitele J, Deka R, Hawley N.L, McGarvey S.T, Weeks D.E, Minster R.L, Carlson J.C (2024) Genome-wide association studies of blood pressure phenotypes in 4,819 participants from Samoa and American Samoa. Paper presented at the 74<sup>th</sup> meeting of the American Society of Human Genetics, Denver, Colorado.

Yaser M, Graff M, Frankel E, Roshani R, Zhu W, Hsin-Chen H, Gordon-Larsen P, **Krishnan M**, Petty L, Buchanan V, Lee M, Guitirrez A, Highland H.M, Young K.L, McCormick J.B, Fisher-Hoch S.P, Below J.E, North K.E (2024) Characterization of the Obese Proteome and Downstream Sequalae in Hispanic Latino Study Participants. Paper presented at the 74<sup>th</sup> meeting of the American Society of Human Genetics, Denver, Colorado.

**Krishnan M**, Anwar M.Y, Justice A.E, Chittoor G, Chen H, Smit A.J.S, Preuss M, Parra E, Cruz M, Hui Q, Wilson P, Sun Y, Zhao W, Smith J, Lange L, Meyer M, Liu C, Yanek L, Loos R, North K.E, Graff M (2023) Genomewide association study identifies novel risk loci and provides new insights into genetic architecture of severe obesity. Paper presented at Network of Minority Health Research Investigators (NMRI), Washington D.C.

**Krishnan M**, Anwar M.Y, Justice A.E, Chittoor G, Chen H, Smit A.J.S, Preuss M, Parra E, Cruz M, Hui Q, Wilson P, Sun Y, Zhao W, Smith J, Lange L, Meyer M, Liu C, Yanek L, Loos R, North K.E, Graff M (2023) Genome-wide association study identifies novel risk loci and provides new insights into genetic architecture of severe obesity. Paper presented at the 73<sup>rd</sup> meeting of the American Society of Human Genetics, Washington D.C.

Yapp T.J, Zhang J.Z, **Krishnan M**, Liu S, Blobner B.M, Cheng H, Naseri T, Reupena M.S, Viali S, Tuitele J, Deka R, Hawley N.L, McGarvey S.T, Weeks D.E, Minster R.L, Carlson J.C (2023) Genome-wide association studies of blood pressure phenotypes in 4,819 participants from Samoa and America Samoa. Paper presented at the 73<sup>rd</sup> meeting of the American Society of Human Genetics, Washington D.C.

Carlson J.C, **Krishnan M**, Liu S, Anderson K, Zhang J.Z, Cheng H, Naseri T, Reupena M.S, Viali S, Deka R, Hawley N.L, McGarvey S.T, Weeks D.E, Minster R.L (2023) The extent to which augmenting extant reference panels with population-specific sequences improves imputation quality. Paper presented at the 73<sup>rd</sup> meeting of the American Society of Human Genetics, Washington D.C.

Petty L.E, Chen H, Sharma P, Polikowsky, Seo J, Anway M.Y, Kim D, Graff M, Young K.L, Zhu W, Karastergiou K, Shaw M.D, Justice A.E, Fernández-Rhodes L, **Krishnan M**, Gutierrez A, McCormick P, Gordon-Larsen P, Lee M, Highland H.M, Gamazon E.R, Cox N.J, Fried S.K, Fisher-Hoch S, McCormick J, North K.E, Below J.E (2023) Multi-omics reveal key molecular signatures of severe obesity. Paper presented at the 73<sup>rd</sup> meeting of the American Society of Human Genetics, Washington D.C.

Young K.L, Buchanan V.L, Graff M, **Krishnan M**, Highland H.M, Yu B, Avery C.L, Buyske S, Cai J, Daviglus M, Howard A.G, Isasi C.R, Kaplan R, Loos R.J.F,Qi Q, Rohde R, Rotter J.I, Van Horn L, Gordon-Larsen P, Bowerwinkle E, North K.E (2023) Mendelian Randomization analysis of metabolites associated with severe obesity in the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL). Paper presented at the 28th meeting of the Cohorts for Heart and Aging Research in Genomic Epidemiology, Boston, Massachusetts.

**Krishnan M**, Howard A.G, Highland H.M, Lloyd-Jones D, Rushing B, Sumner S, North K.E, Gordon-Larsen P, Avery C.L, Graff M (2022) Genome-wide association study of the human metabolome in diverse ancestries identifies an association of the *OPLAH* locus with 5-oxoproline (pyroglutamic acid) in individuals with African ancestry. Paper presented at the 27th meeting of the Cohorts for Heart and Aging Research in Genomic Epidemiology, Seattle, Washington.

**Krishnan M**, Howard A.G, Highland H.M, Lloyd-Jones D, Rushing B, Sumner S, North K.E, Gordon-Larsen P, Avery C.L, Graff M (2022) Genome-wide association study of the human metabolome in diverse ancestries identifies an association of the *OPLAH* locus with 5-oxoproline (pyroglutamic acid) in individuals with African ancestry. Paper presented at the 72<sup>nd</sup> meeting of the American Society of Human Genetics, Los Angeles, California.

Krishnan M, Taub M.A, Carlson J.C, Cheng H, Naseri T, Reupena M, Deka R, Hawley N.L, McGarvey S.T, Weeks D.E, Mathias R.A, Minster R.L, TOPMed Hematology & Hemostasis and Structural Variation Working

Groups (2020) Genome-wide association study of telomere length in individuals of Samoan ancestry. Paper presented at the 70<sup>th</sup> meeting of the American Society of Human Genetics, Virtual.

**Krishnan M**, Leask M, Major T.M, Carlson J.C, Zhang J.Z, Russell E.M, Minster R.L, Weeks D.E, Hawley N.L, Naseri T, Reupena M.S, Deka R, Cheng H, McGarvey S.T, Dalbeth N, Zoysa J, Murphy R, Stamp L, Hindmarsh J.H, Merriman T.R, Moors J, TOPMed Lipids Working Group (2019) A novel variant in CETP is associated with higher HDL-cholesterol in people of Polynesian ancestry. Paper presented at the 69<sup>th</sup> meeting of the American Society of Human Genetics, Houston, Texas.

**Krishnan M,** Phipps-Green A, Altaf S, Major T.J, Cadzow M, Stamp L, Dalbeth N, Russell E.M, Minster R.L, Hawley N.L, Naseri T, Reupena M.S, Deka R, Weeks D.E, McGarvey S.T, Merriman T.R, Murphy R (2018) *FTO* in the Polynesians: Association of *FTO-rs9939609* with body mass index in a fixed-effect meta-analysis in people of Polynesian ancestry living in Aotearoa/New Zealand and other

Pacific nations. Paper presented at the 68<sup>th</sup> meeting of the American Society of Human Genetics, San Diego, California.

**Krishnan M**, Murphy R, Major T.M, Shepherd P, Grattan D, Yu L, Dalbeth N, Stamp L, Weeks D.E, Thompson J.M.D, Shelling A.N, McGarvey S.T, Merriman T.R (2017) Higher body mass index but lower type 2 diabetes prevalence in New Zealand Polynesian populations carrying *CREBRF-rs373863828* variant. Paper presented at the 5th meeting of the European Association for the study of Diabetes-Study Group for the Genetics of Diabetes, Leiden, Netherlands.

**Krishnan M**, Thompson J.M.D, Wall C, Mitchell E.A, McCowan L.M.E, Shelling A.N (2015) Analysis of association of gene variants with obesity traits in New Zealand European children at 6 years of age: a Children of SCOPE study. INFANT Symposium. Cork, Ireland.

## **TEACHING EXPERIENCE**

Teaching Assistant (2023) EPID743, "Genetic Epidemiology", Department of Epidemiology, University of North Carolina at Chapel Hill, NC, USA.

Guest Lecturer (2024), EPID 889, "Introduction to Plotting and Visualizing using R", Department of Epidemiology, University of North Carolina at Chapel Hill, NC, USA.

Guest Lecturer (2023), EPID 889, "Metaboanalyst and Pathway Enrichment using Metabolomics data", Department of Epidemiology, University of North Carolina at Chapel Hill, NC, USA.

Undergraduate Lecturer, Department of Medicine, University of Auckland, New Zealand.

Undergraduate Lecturer, Department of Biochemistry, University of Otago, New Zealand.

#### PROFESSIONAL SERVICE

2021 Organizer for the Department of Human Genetics Journal club, University of

Pittsburgh, USA.

2021 Judge of the American Society of Human Genetics Annual Day DNA Essay

Contest.

**2015-2017** Editor of HealthEx; student organized conference designed to promote research

activity and excellence in presentation.

## **COMMUNITY ENGAGEMENT**

**M. Krishnan** Impact of the *CREBRF* gene variant in Māori and Pacific people (2018) Tātai Oranga. Molecular approaches to understanding metabolic diseases. Iritekura Marae, Waipiro Bay.

To disseminate the research to the Māori and Polynesian people who participated in the study and to provide a Pacific perspective on joining forces with communities to tackle metabolic diseases.

Interviewed by the New Zealand Herald (New Zealand's national newspaper) on my doctoral project: Exercising in Pregnancy under SCOPE; New Zealand Herald (2014).