CURRICULUM VITAE

NAME: Paramjit S. Tappia, Ph.D., FIACS

DATE AND PLACE OF BIRTH: 3rd October 1963. Birmingham, U.K.

HOME ADDRESS: 93 Upavon Road, Winnipeg
Manitoba, Canada R2N 0H1
Tel. (204) 254-2868

CITIZENSHIP: Canadian and British

MARITAL STATUS: Married (Sharan)

CHILDREN: Sohni (daughter), Sonil (Son)

WORK ADDRESS: Asper Clinical Research Institute
St. Boniface Hospital
CR3129-369 Tache Avenue, Winnipeg
Manitoba, Canada R2H 2A6
Tel: (204) 258-1230
E-mail: ptappia@sbrc.ca

EDUCATION:

Ph.D. in Biochemistry (1985-1992), University of Wolverhampton, U.K.

B.Sc. Pharmacology (Hons.) (1982-1985), University of Sunderland, U.K.

PROFESSIONAL APPOINTMENTS:

2024 - Adjunct Investigator
Institute of Cardiovascular Sciences
St. Boniface Hospital Albrechtsen Research
Winnipeg, Manitoba, Canada

2024- Affiliate Principal Investigator
Canadian Centre for Agri-Food Research in Health and Medicine
St. Boniface Hospital Albrechtsen Research
Winnipeg, Manitoba, Canada

2017 - Principal Investigator and Clinical Scientist
Asper Clinical Research Institute, St. Boniface Hospital
Winnipeg, Manitoba, Canada

2007 - 2017:	Clinical Research Scientist, Asper Clinical Research Institute St. Boniface Hospital Winnipeg, Manitoba, Canada
2007 - 2011:	Adjunct Professor, Department of Human Nutritional Sciences Faculty of Human Ecology, University of Manitoba, Winnipeg, Canada
2001 - 2007:	Principal Investigator, Institute of Cardiovascular Sciences Director, Cardiac Membrane Biology Laboratory St. Boniface Hospital Research Centre, University of Manitoba, Winnipeg, Canada
2001 - 2007:	Assistant Professor, Department of Human Nutritional Sciences Faculty of Human Ecology, University of Manitoba, Winnipeg, Canada
1996 - 2000:	Research Associate, Institute of Cardiovascular Sciences University of Manitoba, Winnipeg, Canada
1992 - 1995:	Postdoctoral Fellow, Institute of Human Nutrition University of Southampton (U.K.)
1989 - 1992:	Predoctoral Fellow, Department of Biochemistry University of Southampton (U.K.)

MAJOR AREAS OF RESEARCH

1. Clinical Research

2. Nutrition in health and disease

3. Novel biomarkers in human health and disease

4. Subcellular and molecular mechanisms of cardiac function

ACTIVE FUNDING:

1. Research Manitoba (2020)*

2. Research Manitoba (2021)*

3. Research Manitoba (2021)*

4. MedTeq (Research contract) (2021)*

5. Government of Quebec (Research contract) (2021)*

6. Agriculture Manitoba (2023)*

FUNDING PREVIOUSLY HELD:

1. Manitoba Health Research Council (2001-2003)

2. Manitoba Medical Service Foundation (2001)

3. Canadian Institutes of Health Research Regional Partnership (2004-2006)
4. Dairy Farmers of Canada (2005-2007)

5. AMFNet * (2007-2008)

6. ChemoCree (Research contract) (2008)

7. Heart and Stroke Foundation of Manitoba (2008-2009)

8. BioMark Technologies Incorporated (Research contract) (2010-2015)

9. Ag Canada * (2011)

10. Channel Development Corporation (Research contract) * (2012)

11. NRC/IRAP (Research contract) * (2013)

12. Mitsubishi Rayon Cleansui (Research contract) * (2014-2016)

13. Maunders McNeill Foundation (Research contract) * (2017)

14. Custom Biologics (Research contract) * (2021)

*** Co-investigator**

COMMITTEE MEMBERSHIP

1. Organizing Committee. XVII World Congress of the International Society for Heart Research. Frontiers in Cardiovascular Health, July 6-11, 2001, Winnipeg, Canada.

2. Graduate Studies Committee (Department of Human Nutritional Sciences: 2003 -2007).

3. Public Relations and Recruitment Committee (Faculty of Human Ecology: 2004-2005).

4. Chair, Graduate Studies Committee (Faculty of Human Ecology: 2005-2007).

5. Faculty of Human Ecology representative on the Inter-Faculty Option in Aging Management Committee. (2003-2007).

6. Member of the Executive Committee (Faculty of Graduate Studies: 2005-2007)

7. Head Search Committee (Department of Human Nutritional Sciences: 2004 -2005).

8. Dean Search Committee (Faculty of Human Ecology: 2004-2005).

9. Technician 3 Search Committee (Department of Human Nutritional Sciences: 2005).

10. Technician 4 (Animal Care) Search Committee (Richardson Centre for Functional Foods and Nutraceuticals (2005).

11. Promotion Committee (Faculty of Human Ecology: 2005).

12. Faculty of Human Ecology rep on the Applied Health Sciences Ph.D. Committee (2006-2007).

13. Selection Committee (Governor General's Gold Medal: 2006)

14. Scientific Abstract Review Committee. International Academy of Cardiology. (2008 - to present)

15. Organizing Committee. International Academy of Cardiovascular Sciences, Harold Buchwald Heart Health Lecture, October 3, 2013, Winnipeg, Canada.

16. Organizing Committee. 2nd Cardiovascular Forum for Promoting Centres of Excellence and Young Investigators, September 4-6, 2014, Winnipeg, Canada.

17. Organizing Committee. International Academy of Cardiovascular Sciences, Harold Buchwald Heart Health Lecture, May 4, 2015, Winnipeg, Canada.

18. Organizing Committee. Caribbean Canada Heart Health Education. Inaugural Dinner, October 21, 2015; Winnipeg, Canada.

19. Organizing Committee. Caribbean Canada Heart Health Education. Inaugural Breakfast Event, April 16, 2016; Winnipeg, Canada.

20. Organizing Committee. International Academy of Cardiovascular Sciences, Harold Buchwald Heart Health Lecture, October 27, 2016, Winnipeg, Canada.

21. Organizing Committee. Caribbean Canada Heart Health Education. Gala Dinner, February 11, 2017, Winnipeg, Canada.

22. R30 Scientific Program Committee, St. Boniface Hospital Research Centre, 2017.

23. International Program Committee. 6th Meeting of European Section and 7th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 11-14, 2019, Vrnjacka Banja, Serbia.

24. International Program Committee. 7th Meeting of European Section and 8th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 20-23, 2021, Banja Luka, The Republic of Srpska, Bosnia & Herzegovina.

25. ISHR/IACS Organizing Committee- ISHR/IACS Conference, Winnipeg, MB, September 6-9, 2022.

26. International Conference on Advances in Health Benefits of Agri-Foods, Winnipeg, MB, October 2-4, 2024.

27. 26th Annual Institute of Cardiovascular Sciences Naranjan Dhalla Cardiovascular Awards. Awards Committee. Winnipeg, MB, November 13-14, 2024.

CONSULTING ACTIVITIES

Grant reviewer:

1. Heart and Stroke Foundation of Canada

2. Canadian Institutes of Health Research

3. The Department of Veterans Affairs (California)

4. Diabetes UK

5. Natural Sciences and Engineering Research Council

PRESENTATIONS AS AN INVITED SPEAKER

1. 3rd Congress of the International Society for the Study of Fatty Acids and Lipids (ISSFAL), June 1-5, 1998, Lyon, France.

2. Workshops on Dietary Factors and Cardiovascular Diseases, June 20-23, 1999, Viterbo, Italy.

3. XVII World Congress of the International Society for Heart Research. Frontiers in Cardiovascular Health, July 6-11, 2001, Winnipeg, Canada.

4. Advances in Cardiovascular Research, Clinical & Basic Sciences. March 4-8, 2002, Trinidad, West Indies.

5. International Academy of Cardiology, 8th World Congress on Heart Failure. Mechanisms and Management, July 13-16, 2002, Washington, DC, USA.

6. 4th International Symposium on Diabetes Mellitus and its Complications. July 7-8, 2003, Preston, England, U.K.

7. Natural Health Products and Functional Foods. February 16, 2004, Winnipeg, Canada.

8. 26th Annual meeting ISHR (American section). May 2-5, 2004, Cancun, Mexico.

9. 12th World Congress on Heart Disease-New Trends in Research, Diagnosis and Treatment. Vancouver, Canada, July 16-19, 2005.

10. 3rd Annual CIHR National Research Forum for Young Investigators in Circulatory and Respiratory Health. Winnipeg, Canada, May 4-7, 2006.

11. V. International Symposium on Myocardial Cytoprotection. Pécs, Hungary, September 28-30, 2006.

12. Global Conference on Heart Health & Disease. Winnipeg, Canada, October 12-15, 2006.

13. Department of Health Studies & Gerontology. University of Waterloo, Canada. November 27, 2007.

14. Department of Health Studies & Gerontology. University of Waterloo, Canada. November 28, 2007.

15. Department of Cell Biology and Molecular Medicine, University of Medicine & Dentistry New Jersey, USA. May 14, 2008.

16. Cardiovascular Research Group, Mazankowski Alberta Heart Institute, University of Alberta, Canada. June 23, 2008.

17. International Academy of Cardiology, 14th World Congress on Heart Failure. July 26-29, 2008, Toronto, Canada.

18. 2nd International Symposium on Cardiovascular Research and 1st Cuba-Canada International Heart Symposium. January 9-16, 2009, Holguin, Cuba.

19. 6th Canadian Oxidative Stress Consortium. May 7-10, 2009, Winnipeg, Canada.

20. International Clinical Trials Day. May 20, 2009, Winnipeg, Canada.

21. 3rd World Congress International Academy of Cardiovascular Sciences. June 18-19, 2009. Copenhagen, Denmark.

22. 3rd World Congress International Academy of Cardiovascular Sciences-International Society for Heart Research (India Section). February 3-4, 2010. New Delhi, India.

23. 2nd World Heart Failure Congress. February 7-8, 2010. Post Graduate Institute Medical Education and Research, Chandigarh, India.

24. 4th World Heart Failure Congress. International Academy of Cardiovascular Sciences-International Society for Heart Research (India Section). February 1-3, 2011. Vadodara, India.

25. CIMS-3C-CON Cardiac Conference. February 4-6, 2011. Ahmedabad, India.

26. CancerCare Manitoba, Departmental Noon Rounds. April 22, 2014. Winnipeg, Canada.

27. 2nd Cardiovascular Forum for Promoting Centers of Excellence and Young Investigators. September 6, 2014. Winnipeg, Canada.

28. SOGH Grand Rounds, Department of Renal Health/Dialysis. October 1, 2014. Winnipeg, Canada.

29. 3rd European Section Meeting of the International Academy of Cardiovascular Sciences. October 1-4, 2016. Marseilles, France.

30. CancerCare Manitoba, Departmental Noon Rounds. June 13, 2017. Winnipeg, Canada.

31. North American Section Meeting of the International Academy of Cardiovascular Sciences. August 31-September 2, 2017. Orlando, USA.

32. India Section Meeting of the International Academy of Cardiovascular Sciences. February 8-10, 2018. Madurai, India.

33. 6th annual meeting of the International Academy of Cardiovascular Sciences: North American Section, June 5-8, 2018. Havana, Cuba.

34. CancerCare Manitoba, Hematology/Oncology Grand Rounds. November 13, 2018. Winnipeg, Canada.

35. 6th Meeting of European Section and 7th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 11-14, 2019, Vrnjacka Banja, Serbia.

36. 7th Meeting of European Section and 8th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 20-23, 2021, Banja Luka, The Republic of Srpska, Bosnia & Herzegovina.

37. 41st North American Meeting of the International Society for Heart Research and 9th International Academy of Cardiovascular Sciences, September 6-9, 2022, Winnipeg, Canada.

38. 8th Meeting of European Section of the International Academy of Cardiovascular Sciences, September 28-October 1, 2022, Szeged, Hungary.

39. CCARM, Food for Thought Seminar Series. July 7, 2023, Winnipeg, Canada.

40. 10th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 7-9, 2023, Tampa, USA.

41. 9th Meeting of European Section of the International Academy of Cardiovascular Sciences, October 4-7, 2023, Timişoara, Romania.

42. 6th Cuba-Canada Cardiovascular Research Forum; 10th Cuban –Cardiology Congress in association with the International Academy of Cardiovascular Sciences, November 7-10, 2023.

43. 10th Meeting of European Section of the International Academy of Cardiovascular Sciences, October 28-30, 2024, Bratislava, Slovakia.

SESSION CHAIRMAN

1. Advances in Cardiovascular Research, Clinical & Basic Sciences, March 4-8, 2002, Trinidad, West Indies.

2. 4th International Symposium on Diabetes Mellitus and its Complications; July 7-8, 2003, Preston, U.K. (British Heart Foundation sponsored session: July 8th).

3. International Academy of Cardiology, 12th World Congress on Heart Disease. New Trends in Research, Diagnosis and treatment. July 16-19, 2005, Vancouver, BC, Canada (Gene and Cell Based Therapies, Basic Research Session: July 19th).

4. 2nd International Symposium on Cardiovascular Research and 1st Cuba-Canada International Heart Symposium. January 15, 2009, Holguin, Cuba (Symposium V).

5. CIMS-3C-CON Cardiac Conference. February 4, 2011. Ahmedabad, India (Satellite Session, Cardiac Pharmacology).

6. 3rd Forum to Promote Young Investigators and Centers of Excellence in Cardiovascular Research. September 11, 2015. Omaha, Nebraska, USA. (Session on Exercise Training in Cardiovascular Disease).

7. India Section Meeting of the International Academy of Cardiovascular Sciences. February 8-10, 2018. Madurai, India (Session II Novel Cardiac Therapeutics, February 8, 2018).

8. 6th Meeting of European Section and 7th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 11-14, 2019, Vrnjacka Banja, Serbia (Symposium 13: Mechanisms contributing to heart failure and ischemic heart disease).

9. 7th Meeting of European Section and 8th Meeting of North American Section of the International Academy of Cardiovascular Sciences, September 21, 2021, Session on Advances in Heart Failure and Arrhythmia Research. Banja Luka, The Republic of Srpska, Bosnia & Herzegovina.

10. 6th Cuba-Canada Cardiovascular Research Forum; 10th Cuban –Cardiology Congress in association with the International Academy of Cardiovascular Sciences, November 10, 2023.

11. 10th Meeting of European Section of the International Academy of Cardiovascular Sciences, October 29, 2024, Symposia #2 - Effects of Nutrition and Environment on Heart Function, Bratislava, Slovakia.

EDITOR

CV Network (2016-)
The official bulletin of the International Academy of Cardiovascular Sciences
(https://iacsworld.com/cvnetwork/). Published with the assistance of St. Boniface Hospital Research.

JOURNAL GUEST EDITOR

1. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: *Nutrition and Cardiovascular Health*
https://www.mdpi.com/journal/ijms/special_issues/nutrition_cardiovascular_health
Co-Editors: **P.S. Tappia** & H. Blewett

2. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: *Biomarkers for Early Detection of Cancer: Molecular Aspects*
https://www.mdpi.com/journal/ijms/special_issues/metabolic_markers
Co-Editors: **P.S. Tappia** & B. Ramjiawan

3. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: *Cellular and Molecular Mechanisms of Cardiovascular and Metabolic Diseases*
https://www.mdpi.com/journal/ijms/special_issues/CVD_Metabolic_Disease
Editor: **P.S. Tappia**

4. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: *Cellular and Molecular Mechanisms of Cardiovascular and Metabolic Diseases* 2.0
https://www.mdpi.com/journal/ijms/special_issues/1P1NAM8CXK
Editor: **P.S. Tappia**

5. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: *Molecular Biomarkers in Cancers: Advances and Challenges*
https://www.mdpi.com/journal/ijms/special_issues/J97B1NS1X1
Co-Editors: **P.S. Tappia** & B. Ramjiawan

6. International Journal of Molecular Sciences (ISSN 1422-0067), IF 6.208
Special Issue: Molecular Insights into the Developmental Origins of Health and Disease
https://www.mdpi.com/journal/ijms/special_issues/2G0G06C8T2
Co-Editors: P.S. Tappia & B. Ramjiawan
Submission deadline: April 30, 2025.

JOURNAL EDITORIAL BOARD MEMBERSHIP

1. 2005 – 2016: Clinical Lipidology

2. 2006 - Molecular and Cellular Biochemistry

3. 2014 – 2016: Current Research: Cardiology

4. 2021 - Annals of Nutritional Disorders & Therapy

5. 2021 - Frontiers in Physiology

6. 2023 - Cellular and Molecular Medicine Research

7. 2024 - Current Nutraceuticals

OTHER EDITORIAL BOARD MEMBERSHIP

2011 – 2016: CV Network

ADVISORY BOARD

Scientific Advisory Board: BioMark Technologies Inc., (2018-)

BOARD DIRECTORSHIP

Board of Directors: International Academy of Cardiovascular Sciences (2023-)

SOCIETY MEMBERSHIP

1. International Academy of Cardiovascular Sciences (2001-)

2. International Academy of Cardiology (2002-)

COURSES TAUGHT

A. University of Manitoba

Undergraduate Courses (Sole Instructor)

1. Vitamins and Minerals in Human Health (3 credit hr.): 2000-2007

2. Macronutrients (3 credit hr.): 2000

Graduate Courses (Sole Instructor)

1. Interrelationships in Human Nutrition (3 credit hr.): 2001.

2. Phytochemical Nutrition and Metabolism (1.5 credit hr.): 2003-2005

3. Seminar in Food & Nutrition Research (3 credit hr.): 2003-2007

B. University of Winnipeg

Undergraduate Courses (Sole Instructor)

1. Issues in Health (3 credit hr.): 2015

2. Nutrition for Health and Wellness (3 credit hr.): 2015

C. St. Boniface Hospital Albrechtsen Research Centre

Undergraduate Course (Multiple Instructors)

Clinical Research and Trials: 2010 -

TRAINEE SUPERVISION

1. Post-Doctoral Fellow: *Dr. Girma Asemu*- 2001-2005

2. Doctorate: *Tushi S. Goyal*: Role of phospholipase C isozymes in cardiac hypertrophy. Dep. of Physiology & Pathophysiology, University of Manitoba. 2008. Co-Supervised with Dr. Naranjan S. Dhalla.

3. Doctorate: *Melissa Dent*: Gender differences in the β-adrenergic signaling mechanisms in cardiac hypertrophy and heart failure due to volume overload. Dep. of Physiology & Pathophysiology, University of Manitoba. 2010. Co-Supervised with Dr. Naranjan S. Dhalla.

4. Masters: *Kuljeet K. Cheema:* Prenatal exposure to maternal low protein diet induces adult cardiac dysfunction. Dept. of Foods & Human Nutritional Sciences, University of Manitoba. 2004. Primary Supervisor.

5. Masters: *Rabban Mangat:* Effects of conjugated linoleic acid isomers in the phospholipase C γ1 response to oxidative stress in isolated cardiomyocytes. Dept. of Foods & Human Nutritional Sciences, University of Manitoba. 2005. Primary Supervisor.

6. Masters: *Natalie P. Prairie:* The cardio-renal effect of pea protein hydrolysate in a chronic kidney disease rat model. Dept. of Foods & Human Nutritional Sciences, University of Manitoba. 2005. Co-Supervised with Dr. Harold Aukema.

THESIS ADVISORY COMMITTEE

1. Masters: *Melissa Dent*: The role of phospholipase C isozymes in cardiac hypertrophy and heart failure due to volume overload. Dep. of Physiology & Pathophysiology, University of Manitoba. 2004. Primary Supervisor: Dr. Naranjan S. Dhalla.

2. Masters: *Heather R. Kovacs:* Infant growth and bone mineralization: the determination of relative effects of parental characteristics, gestational age at birth and nutrition. Dept. of Foods & Human Nutritional Sciences, University of Manitoba. 2005. Primary Supervisor: Dr. Hope Weiler.

3. Masters: *June R. Kohut:* Enhanced lumbar spine bone mineral content and bone mineral density in SGA piglets fed arachidonic acid and docosahexaenoic acid are modulated by birth weight. Dept. of Foods & Human Nutritional Sciences, University of Manitoba. 2005. Primary Supervisor: Dr. Hope Weiler.

EXTERNAL THESIS EVALUATION

1. To study the effects of herbal extracts in diabetes and its long term complications. PhD Thesis by Dr. Vikrant Vas. All India Institute of Medical Sciences. New Delhi, India 2003.

2. Evaluation of *Helicteres Isora Linn*. for its pharmacological effects in experimental animal models. PhD Thesis by Paresh B. Suthar. L.M. College of Pharmacy, Dept. of Pharmacology. Ahmedabad, 2007.

3. Phytopharmacological investigation of different formulations of *Emblica Officinalis* PhD Thesis by Rajendra S. Shah. L.M. College of Pharmacy, Dept. of Pharmacology. Ahmedabad, 2012.

ACADEMIC AWARDS

1. Medal of Merit, 2001: International Society for Heart Research, XVII World Congress.

2. Excellence in Teaching Award, 2003: Manitoba Association of Home Economists.

3. George Fodor Feature Symposium Award, 2006: CIHR National Research Forum for Young Investigators in Circulatory and Respiratory Health.

4. University Teaching Services Award for Significant Contribution to Excellence in Teaching, 2007.

5. Appreciation Medal, 2016: European Section, International Academy of Cardiovascular Sciences.

6. 20-Year Service Award, St. Boniface Hospital Research, 2016.

7. 15-year Long Service Recognition, St. Boniface Hospital, 2022

8. International Academy of Cardiovascular Sciences Fellowship Award, 2023

PATENT HELD

Method of Detecting Cancer Based on Spermine/Spermidine N'-Acetyltransferase Gene Expression
Publication number: 20170209272
Filed: June 9, 2015
Publication date: July 27, 2017
Applicant: BioMark Technologies Inc.
Inventors: R Bux, B Cheng, **PS Tappia**, B Ramjiawan

COMMUNITY SERVICE AND INVOLVEMENT

A. Ongoing

1. 2010 - Secretary: India Canada Culture and Heritage Association

2. 2013 - Individual Member of Folklorama

3. 2015 - Secretary General of Caribbean Canada Heart Health Education Inc.

4. 2021- Chair, Nominating Committee, Manitoba Soccer Association

5. 2024- Steering Committee-Folklorama

B. Completed

1. 2008 -2021 Soccer Convener: Dakota Community Centre

2. 2008 - 2016: Board of Directors: Dakota Community Centre

3. 2008 - 2010: Joint Secretary: India Canada Culture and Heritage Association

4. 2009 - 2010: Coordinator of the India Pavilion: Folklorama

5. 2010 - 2013: Manitoba Soccer Association Youth Soccer Referee

6. 2011: Coordinator of the Inaugural Punjab Pavilion: Folklorama

7. 2001 - 2012: Recreational Soccer Coach: Dakota Community Centre

8. 2013: Scholarship Committee: Folklorama

9. 2013: Membership Committee: Folklorama

10. 2014 - 2016: Chair, Scholarship Committee: Folklorama

11. 2014 - 2020: Board of Directors: Folklorama

12. 2016 - 2018: Chair, Youth Committee: Folklorama

13. 2016 - 2021 Member of Nominating Committee, Manitoba Soccer Association

14. 2016: Member of Sports Council, Dakota Community Centre

15. 2020 -2023: Licensing Committee: Folklorama

16. 2020 – 2023: Nominating Committee: Folklorama

COMMUNITY AWARDS

1. Above and Beyond Volunteer Award, General Council of Winnipeg Community Centres (GCWCC), 2018.

2. Folklorama Board Service Recognition Award, 2020.

3. Distinguished Service Award, India Canada Culture and Heritage Association Inc., 2022.

COMMUNITY GRANTS

1. Community Celebration Grants for India Canada Culture and Heritage Association Inc., from the Province of Manitoba (Awarded $5,000). March 2023.

2. Community Celebration Grants for India Canada Culture and Heritage Association Inc., from the Province of Manitoba (awarded $5,000). July 2023.

3. Ethnocultural Support Program for India Canada Culture and Heritage Association Inc., from the Province of Manitoba (Awarded $21,153). August 2023.

BOOKS EDITED

1. Biochemistry of Diabetes and Atherosclerosis. Eds., J Gilchrist, **PS Tappia**, T Netticadan. Kluwer Academic Publishers, Boston, 2003.

2. Phospholipases in Health and Disease. Eds. **PS Tappia**, NS Dhalla. Springer Science + Business Media, LLC, New York, 2014.

3. Pathophysiology of Obesity-Induced Health Complications. Eds. **PS Tappia**, B Ramjiawan, NS Dhalla. Springer Nature, Switzerland AG, 2020.

4. Nutrition and Cardiovascular Health. Eds. **PS Tappia**, H Blewett. International Journal of Molecular Sciences. MDPI. Basel, Switzerland. 2020.

5. Biochemistry of Cardiovascular Dysfunction in Obesity. Eds. **PS Tappia**, SK Bhullar, NS Dhalla. Springer Nature, Switzerland AG, 2020.

6. Cellular and Biochemical Mechanisms of Obesity. Eds. **PS Tappia**, B Ramjiawan, NS Dhalla. Springer Nature, Switzerland AG, 2021.

7. The Renin Angiotensin System in Cancer, Lung, Liver and Infectious Diseases. Eds. SK Bhullar, **PS Tappia**, NS Dhalla. Springer Nature, Switzerland AG, 2023.

8. Lipophilic Vitamins in Health and Disease. Eds. **PS Tappia**, AK Shah, NS Dhalla. Springer Nature, Switzerland AG, 2024.

9. Hydrophilic Vitamins in Health and Disease. Eds. AK Shah, **PS Tappia**, NS Dhalla. Springer Nature, Switzerland AG, 2024.

BOOK BEING EDITED

1. Functional Biochemistry of Micronutrients. Eds. NS Dhalla, **PS Tappia**, V Elimban. Springer Nature, Switzerland AG, 2025.

LIST OF PUBLICATIONS

H-index (Google Scholar): **40**

i10-index (Google Scholar): **99**

First Author Full Length Papers: **52**

Papers in High Impact Journals (IF≥3.0): **84 out of 134**

Total number of citations (to date): **5,141**

Citations per paper: **38.4**

A. Full Length Papers in Refereed Journals

1. Malik ZA, **Tappia PS**, DeNetto LA, Burdett K, Sutton R, Connock MJ. Properties of ATPase activity associated with peroxisomes of rat and bovine liver. Comp. Biochem. Physiol. 99B: 295-300, 1991.

2. DeNetto LA, **Tappia PS**, Malik ZA, Wood AJ, Mann VM, Jones CJP, Burdett K, Neoptolemos JP, Connock MJ. Human hepatic peroxisomes with crystalloid cores associated with urate oxidase activity. Adv. Exp. Med. Biol. 309A: 373-376, 1991.

3. **Tappia PS**, Sharma RP, Sale GJ. Dephosphorylation of autophosphorylated insulin and epidermal growth factor receptors by 2 major subtypes of protein-tyrosine phosphatase from human placenta. Biochem. J. 278: 69-74, 1991.

4. **Tappia PS**, Atkinson PGP, Sharma RP, Sale GJ. Regulation of an hepatic low - M_r membrane - associated protein - tyrosine - phosphatase. Biochem. J. 292: 1 - 5, 1993.

5. Amarakoon AMT, **Tappia PS**, Grimble RF. Interleukin-6 production is enhanced by vitamin E deficiency and reduced by dietary polyphenols in rats treated with endotoxin. Inflamm. Res. 44: 301-305, 1994.

6. **Tappia PS**, Grimble RF. Complex modulation of cytokine induction by endotoxin and tumour necrosis factor from peritoneal macrophages of rats by diets containing fats of different saturated, monounsaturated and polyunsaturated fatty acid composition. Clin. Sci. 87: 173-178, 1994.

7. **Tappia PS**, Troughton KL, Langley-Evans SC, Grimble RF. Smoking influences cytokine production and antioxidant defences. Clin. Sci. 88: 485-489, 1995.

8. **Tappia PS**, Grimble RF. The modulatory influence of unsaturated fatty acids on the biology of tumour necrosis factor. Biochem. Soc. Trans. 23: 282-287, 1995.

9. **Tappia PS**, Man WJ, Grimble RF. The influence of polyunsaturated fatty acids on production of TNF and IL6 by rat peritoneal macrophages. Mol. Cell. Biochem. 143: 89-98, 1995.

10. **Tappia PS**, Grimble RF. The relationship between altered membrane composition, eicosanoids and TNF-induced IL1 and IL6 production in macrophages of rats fed fats of different unsaturated fatty acid composition. Mol. Cell. Biochem. 165: 135-143, 1996.

11. Netticadan T, Kato K, **Tappia PS**, Elimban V, Dhalla, N.S. Phosphorylation of cardiac Na^+-K^+ ATPase by Ca^{2+}/calmodulin dependent protein kinase. Biochem. Biophys. Res. Commun. 238: 544-548, 1997.

12. Dhalla NS, Xu Y-J, Sheu S-S, **Tappia PS**, Panagia V. Phosphatidic acid: A potential signal transducer for cardiac hypertrophy. J. Mol. Cell. Cardiol. 29: 2865-2871, 1997.

13. **Tappia PS**, Ladha S, Clark DC, Grimble RF. The influence of membrane fluidity, TNF receptor binding, cAMP production and GTPase activity on macrophage cytokine production in rats fed a variety of fat diets. Mol. Cell. Biochem. 166: 135-143, 1997.

14. Panagia V, **Tappia PS**, Dhalla NS. Phospholipid N-methylation as a signal transduction mechanism in normal and failing hearts. Heart Failure Reviews 2: 43-53, 1997.

15. Williams SA, **Tappia PS**, Yu C-H, Binaglia L, Panagia V, Dhalla NS. Subcellular alterations in cardiac phospholipase D activity during chronic diabetes. Prostaglandins Leukot. Essent. Fatty Acids 57: 95-99, 1997.

16. **Tappia PS**, Jones CJ, Connock MJ. Purification of guinea pig small intestinal peroxisomes and the subcellular localisation of glucose-6-phosphate dehydrogenase. Mol. Cell. Biochem. 179: 13-20, 1998.

17. Panagia V, Taira Y, Bryson GL, **Tappia PS**, Dhalla NS. Effect of β-adrenoceptor antagonists on phospholipid N-methylation activities of cardiac sarcolemma. J. Cardiovasc. Pharmacol. Ther. 3: 1-8, 1998.

18. Grimble RF, **Tappia PS**. Modulation of pro-inflammatory cytokine biology by unsaturated fatty acids. Z Ernahrungswiss 37: 57-65, 1998.

19. Williams SA, **Tappia PS**, Yu C-H, Bibeau M and Panagia V. Impairment of the sarcolemmal phospholipase D-phosphatidate phosphohydrolase pathway in diabetic cardiomyopathy. J. Mol. Cell. Cardiol. 30: 109-118, 1998.

20. Ju H, Zhao S, Tappia PS, Panagia V and Dixon IMC. Expression of Gqα and PLCβ_1 in scar and border tissue in heart failure due to myocardial infarction. Circulation 97: 892-899, 1998.

21. Liu S-Y, **Tappia PS**, Dai J, Williams SA, Panagia V. Phospholipase A_2-mediated activation of phospholipase D in rat heart sarcolemma. J. Mol. Cell. Cardiol. 30: 1203-1214, 1998.

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B. Manuscripts under Revision

1. Santiago JJ, Mitchell R, Hunt W, **Tappia PS**, Ramjiawan B. Evaluation of a Newly Developed LC-MS/MS Vitamin D Assay.

2. Duerksen J, Ramjiawan M, Witt J, Fitzpatrick-Wong S, **Tappia PS**, Ramjiawan B, Mansouri B, Sareen J, Knight E. The addictive process of opioids: Current and novel interventions in opioid use disorder.

C. Submitted Manuscripts

1. Vaida M, Wu J, Yousefzadeh N, Song X, Tan F, Himdiat E, Komattil VM, Jaji O, Haince J-F, Bux RA, Huang G, **Tappia PS**, Ramjiawan B, Ford WR. Machine learning and metabolomics for enhanced lung cancer prediction.

2. Zhang L, Zheng J, Ahmed R, Haince J, Torres-Calzada C, Mandal R, Maksymiuk A, **Tappia PS**, Joubert P, Rolfo CD, Wishart D. Clinical validation of metabolite markers for early lung cancer detection.

D. Manuscript under Preparation

Tappia PS, Bach H, Lorenzo-Leal AC, Fitzpatrick-Wong S, Ramjiawan B. Efficacy of a novel reusable copper-infused self-sterilizing layered cloth facemask.

E. Full Length Papers in Books

1. **Tappia PS**, Dhalla NS. Defective sarcolemmal phospholipid-mediated signaling in congestive heart failure. In: Proceedings of the 8th World Congress on Heart Failure- Mechanisms and Management, International Academy of Cardiology, Ed. A. Kimchi, Monduzzi Editore S.p.A-Medimond Inc. Bologna, 13-19, 2002.

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F. Abstracts

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79. **Tappia PS**, Moghadasian M, Ramjiawan B. Pathophysiology of cardiovascular abnormalities during obesity in metabolic syndrome. Eur Pharm J. 2024

G. Newsletter/Community Publications

1. Xu YJ, **Tappia PS**, Dhalla NS. Reduction of oxidative stress, improved lipid profile and decreased insulin resistance by natural medicine. CV Network.11: 18, 2012.

2. **Tappia PS**, Xu YJ. Lowering cholesterol, sugar and stress by Yoga and acupuncture. CV Network. 12: 14, 2013.

3. **Tappia P**. Winnipeg Caribbean community launches program for cardiovascular health in the Caribbean countries. CV Network. 15(3): 32, 2016.

4. **Tappia PS**. Dr. Henry Steward guest speaker at 2nd Caribbean Canada Heart Health Education dinner, Winnipeg, Canada. CV Network. 16(1): 24, 2017.

5. **Tappia PS**. Ethnicity as a major determinant of cardiovascular health. CV Network. 16(1): 39, 2017.

6. **Tappia PS**. Caribbean heart health group in partnership with the academy honors Dr. Charles Greenidge. CV Network. 17(1): 25, 2018.

7. **Tappia PS**. Report on the 6th annual meeting of the International Academy of Cardiovascular Sciences: North American Section, Havana, Cuba, June 5-8, 2018. 17(2): 23-27, 2018.

8. **Tappia PS**. Caribbean heart health group in partnership with the academy honors Dr. Karen Gordon-Boyle. CV Network. 18(1): 17, 2019.

9. **Tappia PS**. Promotion of cardiovascular health in the Caribbean region. CV Network. 19(1): 22, 2020.

10. **Tappia PS**. Implications of obesity: sex and ethnic variations. CV Network. 19(4): 5-8, 2020.

11. **Tappia PS**. Are Asian women at higher risk of obesity and related health complications. Asian Women of Winnipeg Magazine, Inaugural Edition: 4, 2022.

12. Baczko I, **Tappia PS**. Report on the 8th annual meeting of the International Academy of Cardiovascular Sciences: European Section, Szeged, Hungary, September 28 – October 1. CV Network. 2022. 21(4): 11-15, 2022.

13. **Tappia PS**. Vitamins as essential nutrients in human health and disease. CV Network. 22(1): 26, 2023.

14. **Tappia PS**. A holistic approach for improving the health and wellness. CV Network. 22(4): 33, 2023.

15. **Tappia PS**. Report on the 11th annual meeting of the International Academy of Cardiovascular Sciences: North American Section, Houston, TX, USA, September 17-19, 2024. 23(4): 23-27, 2024.

H. Outreach Speaker Presentations (High School students)

1. March 9, 2017

2. November 16, 2017

3. March 8, 2018

4. November 22, 2018

5. March 7, 2019

6. November 28, 2019

7. March 12, 2020

8. December 2, 2021

9. March 17, 2022

10. December 1, 2022

11. December 7, 2023

12. November 28, 2024

I. Community Speaker Presentations

1. Caribbean Canada Hearth Health Education Public Forum. High fructose in your diet causes cardiovascular problems. CCOM Building (1100 Fife St.) Winnipeg, Canada. July 24, 2024.

J. Additional Profiles

https://scholar.google.ca/citations?user=4o20xYoAAAAJ&hl=en&oi=ao

https://pubmed.ncbi.nlm.nih.gov/?term=Tappia&sort=date

https://www.researchgate.net/profile/Paramjit-Tappia

https://sciprofiles.com/profile/370440