

Dr. SALHEEN MADANI T. SALHEEN

Specialization: Physiology Senior Lecture of Physiology

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Personal Information Date of Birth: 12/01/1974. Gender: Male.
Nationality: Libyan. Place of Birth: Libya
Marital Status: Married.

Education 2011-2015: **PhD in Biomedical Sciences (Physiology)**, The effects of DPP-4 inhibitors on vascular endothelial function in diabetes, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.
2005-2007: **MSc in Laboratory Science**, Cyclic Changes of the Uterine Tube: A Light and Electron Microscopic study, Faculty of Medicine, University of Ghent, Ghent, Belgium.
1993-1999: **BSc in Vet. Medical Science**, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.
1990-1992: **Secondary School**, Qasser Bin Khashir Secondary School, Score Average: Very Good, Tripoli, Libya.

Experience and Skills

Work Experience:

Currently:

1. Full time Physiology lecturer at Faculty of Veterinary Medicine - University of Tripoli – Libya.
2. Part time Physiology lecturer at Faculty of Medicine - AL Zintan University – Libya.
3. Part time Physiology lecture at Faculty of Medical Technology – Al-Jfara University.

October 2021 to till now: Physiology lecturer at Faculty of Medicine - AL Zintan University – Libya.

March 2020 to June 2020: Demonstrator at Cell Biology department, BIOL2272 ,School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

March 2019 to June 2019: Cell Biology department, BIOL2272 Biology of the Cell, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

March 2018 to June 2018: Cell Biology department, BIOL2272 Biology of the Cell, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

March 2017 to June 2017: Demonstrator at Cell Biology department, BIOL2272 Biology of the Cell, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

July 2017 to November 2017: Demonstrator at Cell Biology department, MEDS2119 Advanced pathology, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

March 2015 to June 2015: Demonstrator at Cell Biology department, BIOL2272 Biology of the Cell, School of Health and Biomedical Sciences,

RMIT University, Melbourne, Australia.

August 2011 to July 2015: PhD candidate, Cell Biology department, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

October 2008 to October 2010: Assistant Lecturer, department of Physiology Anesthesia and Intensive Care, Faculty of Medical Technology, University of Tripoli, Tripoli, Libya.

October 2007 to October 2010: Assistant lecturer and researcher at department of Physiology, Biochemistry, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.

October 2007 to September 2009: Demonstrating of Practical Cell Biology and Principle Physiology at Department of Pharmacology and Physiology, Faculty of Pharmacy, University of Tripoli, Tripoli, Libya.

October 2005 to October 2007: MSc candidate and demonstrator at Department of Morphology, Faculty of Veterinary Medicine, University of Ghent, Ghent, Belgium.

October 2000 to July 2005: Demonstrating of Practical Cell Biology and Principle Physiology at Department of Physiology, Biochemistry, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.

Laboratory: Use of light microscopy, fundamental use of transmission electron microscopy, laboratory safety, routine biochemistry, routine Blood glucose analysis, Haematoxylin and eosin stain technique, Van Gieson stain technique, Isolation of vascular tissue, L-012 assay technique, Lucigenin assay technique, western blotting technique.

Computer: Microsoft Office (Word, Powerpoint, Excel, Outlook) SPSS, Aperio Imagescope analysis (Digital imaging), Endnote and internet browsing.

Languages: - English (Excellent reading and writing) (RMIT English worldwide "REW" = course level 7 plus).

Career skills: Time management, teamwork, leadership, positive attitude, interview skills, administrative skills and research skills.

Training and short courses

July 2015: Short online course: Project management, Learning Employment Aptitude Program (LEAP), RMIT, Australia.

April 2015: Short online course: Health and Safety, Privacy and Information Management, and Equal Opportunity, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

January 2013: Short online course: Health and Safety, Privacy and Information Management, and Equal Opportunity Module 1, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

August 2013: Short online course: Writing for publication, RMIT, Australia.

Projects and Research

2011-2015: PhD research project: The effects of DPP-4 inhibitors on vascular endothelial function in diabetes, School of Health and Biomedical Sciences, RMIT University, Melbourne, Australia.

2010: Detection of Toxoplasma gondii infection in early stages of Pregnancy in Libyan women by IgG- IgM antibodies and nested PCR analysis.

2009: Effect of Chronic Exposure to Copper on Productive Performance of Oreochromis niloticus.

2008: Tolerability of pimobendan in the ferret (mustela putorius furo),

Flamish journal, (Vlaams Diergeneeskundig Tijdschrift, 2008, 78). Ghent- Belgium.

2005-2007: MSc research project: Cyclic Changes of the Canine Uterine Tube: A Light and Electron Microscopic study, Faculty of Medicine, University of Ghent, Ghent, Belgium.

Publications

Referred Publications:

- 1- **S.M. Salheen**, U. Panchapakesan, C. Pollock, O.L. Woodman (2015). The DPP-4 inhibitor linagliptin and the GLP-1 receptor agonist exendin-4 improve endothelium-dependent relaxation of rat mesenteric arteries in the presence of high glucose. *Pharmacol Res*, 94, 26-33.
 - 2- **Salheen, Salheen M.**, et al. "The dipeptidyl peptidase-4 inhibitor linagliptin preserves endothelial function in mesenteric arteries from type 1 diabetic rats without decreasing plasma glucose" *PloS one* 10.11 (2015): e0143941.
 - 3- Hermans, K., Geerts, T., Cauwerts, K., **Salheen, M. T. S.**, Baert, K., Department of Pathology, Bacteriology and Poultry Diseases, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium ,Tolerability of pimobendan in the ferret (*Mustela putorius furo*), *Flamish journal*, (Vlaams Diergeneeskundig Tijdschrift, 2008, 78).. Ghent- Belgium. <http://vdt.ugent.be>
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Leadership

- **2016-2017:** Election Manager of Libyan Student Society of Victoria (LCV), Melbourne, Australia.
 - **2007-2009:** Re-presenter of biology scientific seminars, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.
 - **2003-2004:** President of Biology Group, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.
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Membership

- **2015:** The American Physiological Society (APS), USA.
 - **2011:** RMIT Higher Degree by Research Association, Melbourne, Australia.
 - **2011:** Libyan Student Society of Victoria (LCV), Melbourne, Australia.
 - **2006:** Institute of Veterinary Medicine, Ghent University, Merelbeke, Belgium
 - **2005:** Ghent Society of Libyan Student, Ghent, Belgium.
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Academic and Professional Participations

Presentations at Conferences:

2014: Salheen, S. M., Nguyen, J. C., Jenkins, T. A., & Woodman, O. L. The DPP-4 Inhibitor Linagliptin Reverses Endothelial Dysfunction of Mesenteric Arteries From Rats Fed a Western Diet. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 34 (Suppl 1), A211-A211.

2014: Salheen S., Woodman O., Mather A., Panchapakesan U., Pollock C. DPP-4 inhibitor linagliptin restores endothelium-dependent relaxation in small mesenteric artery from type-1 diabetic rats. *The FASEB Journal*, 28 (1 Supplement), 1051-4.

2014: S.M. Salheen, U. Panchapakesan, C. Pollock, O.L. Woodman The DPP-4 inhibitor linagliptan and GLP-1 agonist exendin-4 improves endothelium-dependent relaxation of rat mesenteric arteries in the presence of high glucose *Proceeding of the International Society of Cardiovascular Pharmacotherapy*, Adelaide, Australia, Poster 549

2014: Salheen M. Salheen, A. Mather, U. Panchapakesan, C. Pollock, O. L.

Woodman (2014) DPP-4 inhibitor linagliptin restores endotheliumdependent relaxation in small mesenteric artery from type-1 diabetic rats. Proceeding of College of Science, Engineering and Health Higher Degree by Research Student Conference, RMIT University, Melbourne, Australia, Poster 104 and oral presentation.

2014: S.M. Salheen, U. Panchapakesan, C. Pollock, O.L. Woodman The DPP-4 inhibitor linagliptin and the GLP-1 receptor agonist exendin-4 prevent high glucose-induced impairment of endothelial function in rat mesenteric arteries. Proceeding of Australian Society of Clinical and Experimental Pharmacologists and Toxicologists, Melbourne, Australia, Poster 549, Abstract 323 and oral presentation.

2014: S.M. Salheen, J.CD. Nguyen, T.A. Jenkins, U. Panchapakesan, C. Pollock, O.L. Woodman (2014) The DPP-4 inhibitor linagliptan restores endothelial dysfunction of mesenteric arteries in western diet fed rats. Proceeding of Australian Society of Clinical and Experimental Pharmacologists and Toxicologists, Toronto, Canada, Poster 525, Abstract 211.

2014: S.M. Salheen, U. Panchapakesan, C. Pollock, O.L. Woodman (2014) DPP-4 inhibitor linagliptin restores endothelium-dependent relaxation in small mesenteric artery from type-1 diabetic rats. Proceeding of Australian Society of Clinical and Experimental Pharmacologists and Toxicologists, San Diego, USA, Poster 402, Abstract 1652.

2013: S.M. Salheen, U. Panchapakesan, C. Pollock, O.L. Woodman (2013) The DPP-4 inhibitor linagliptan improves endothelium-dependent relaxation of rat mesenteric arteries in the presence of high glucose and hyperglycaemia in STZ-induced diabetic rats. Proceeding of Australian Society of Clinical and Experimental Pharmacologists and Toxicologists, Melbourne, Australia, Poster 325, Abstract 130.

2012: S.M. Salheen, U. Panchapakesan, C. Pollock, O.L. Woodman (2012) The DPP-4 inhibitor linagliptan improves endothelium-dependent relaxation of rat mesenteric arteries in the presence of high glucose. Proceeding of Australian Society of Clinical and Experimental Pharmacologists and Toxicologists, Sydney, Australia, Poster 201, Abstract 428.

Participation and Conference Attendance:

April 2010: Participated: Second International Conference of Food Safety (19-21 April 2010, Al-Baath University - Hama-Syria).

August 2009: Participated: the 3rd international conference about the 6 Future prospects for sustainable development in the Arab and African countries (Sharm Elshik – Egypt, 2009).

2007-2009: Participated: Re-presenter of biology scientific seminars, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.

2003-2004: Participated: President of Biology Group, Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.

Achievements

2010: Awarded a full scholarship from The Ministry of Higher Education, Libya, to study PhD in Biomedical Sciences, RMIT University, Australia.

2005: Awarded a full scholarship from The Ministry of Higher Education, Libya, to study master's degree in laboratory animal science, Department of Morphology, Faculty of Medicine, Ghent University, Belgium.

2007: Selected as the top student in Laboratory Science, Graduate master's degree with distinction from Faculty of Veterinary Medicine, Ghent University, Belgium.

2000: Selected as the top student in Veterinary Medical Science, Graduate BSc (Hons), Faculty of Veterinary Medicine, University of Tripoli, Tripoli, Libya.

Hobbies and Interests

Scientific research (I did different biological researches about some projects such as Detection of *Toxoplasma gondii* infection in early stages of Pregnancy in Libyan women by IgG- IgM antibodies and nested PCR analysis, Effect of Chronic Exposure to Copper on Productive Performance of *Oreochromis niloticus*).

Reading, Social service, travelling, and sports.

Referees

- **Professor Owen L Woodman**, BSc (Hons), PhD, Fellow in the Heart Failure Pharmacology laboratory at the Baker Heart and Diabetes Institute, Melbourne, Australia.

T: +61 3 8532 1917 E: owen.woodman@baker.edu.au

- **Associate Professor Samantha Richardson**, School of Health and Biomedical Sciences, RMIT University, Australia.

T: +61-3-9925-7897 E: samantha.richardson@rmit.edu.au

- **Associate Professor Terrence Piva**, Head Photobiology and Skin Cancer Laboratory, School of Health and Biomedical Sciences, RMIT University, Australia.

T: Office +61-3-9925 6503; Lab 9925 7278 E: terry.piva@rmit.edu.au

- **Dr Roula P Kyriacou**, BSc (Melbourne), BSc (Hons) (Melbourne), PhD (Melbourne), Senior Lecturer, Pathology, School of Health and Biomedical Sciences, RMIT University Bundoora West Campus VIC 3083, Australia.

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