CURRICULUM VITAE

PERSONAL

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QUALIFICATION

- **Doctor of Philosophy in Anatomy and Histology (PhD),** Department of Anatomical Sciences, Adelaide University, Australia
- **Master of Science in Histology (MSc),** Shiraz Medical Sciences University, Shiraz, Iran
- **Bachelor of Science in Biology (BSc),** TSU, Texas A&M University, USA

RESEARCH AND WORK EXPERIENCES

I graduated with a BSc in Biology from TSU, Texas A & M University, USA. Then worked as a Medical Technologist in the Department of Anatomical Sciences, Shiraz Medical Sciences University before being awarded a two years scholarship to complete my MSc in Histology and then a further four years scholarship to complete my PhD Adelaide University. Since completion of my PhD in 1997, I worked as a Senior Research Officer at Royal Adelaide Hospital and a Visiting Research Fellow at Adelaide University. Currently, I am a Grant Funded Scientist at Hanson Institute, IMVS and an affiliate lecturer in Medicine at the University of Adelaide and the University of South Australia.

Awards and Grants in 2007-2010:

- Invited Lecturer at EMU, Kuwait University in 2008, 2009 and 2010
- Awarded travel Grant to USA by the University of Virginia and the MSSF/IMVS for advance training in FRET microscopy.
- Awarded a cash prise for being the winner of 2008 Faculty of Health sciences research photo competition at Adelaide University.

2008 NHMRC Federal Grants:

- **NHMRC Project Grant: ID 565207-"**Morphology and Structure of 'Cross-Ties' in the Anterior Anulus Fibrosus in Human Invertebral Discs". As an associate investigator, advance Confocal Microscopy techniques will be used to assist chief investigators in this project.

- **NHMRC Project Grant: ID 565188**- "Intracellular inhibition of Influenza A virus replication by anti-viral IgA". As one of the chief investigators in this NHMRC application, Immuno-confocal microscopy techniques will be used to investigate the above project.

SOCIETY & COMMITTEE MEMBERSHIP

- Member, ASIA/Pacific Microscopy and Analysis
- Member, Journal of Photonic Spectra, USA
- Member, the Japan-Australia Joint Disorders Research Group
- Member, Australia Jaw Joint Project, Adelaide University

RECENT PUBLICATIONS:

Andrew B Fagan FRACS , **Ghafar Tahmasebi-Sarvestani PhD**, Robert J Moore PhD, Robert D Fraser AM MD, Barrie Vernon-Roberts AO MD PhD, Peter C. Blumbergs FRCPA. Innervation of Experimental Anulus Tears; a Confocal Immunohistochemical Study. *Journal of Spine, **2010. In Press.***

Glyn Chidlow, John P.M. Wood, **Ghafar Tahmasebi-Sarvestani**, Jim Manavis , Robert J. Casson. Evaluation of Fluoro-Jade C as a marker of degenerating neurons in the rat retina and optic nerve. Experimental Eye Research 88 **(2009)** 426–437

Zhao Cai, Peter C Blumbergs, John W Finnie1, Jim Manavis1, **Ghafar Tahmasebi-Sarvestani**, Mounir N Ghabriel Philip D Thompson. Anatomical distribution of aquaporin-1 in the human sural nerve. Journal of Glia **(2009)** submitted

Paul Hamill Anderson, PhD; Ivanka Hendrix, PhD; Rebecca K Sawyer; Reza Zarrinkalam, PhD; Jim Manavis; **Ghafar Tahmasebi-Sarvestani, PhD**; Brian K May, PhD; Howard A Morris, PhD. Co-expression of CYP27B1 enzyme with the 1.5kb CYP27B1 promoter-luciferase transgene in the mouse. Molecular and Cellular Endocrinology, 285 (**2008)** 1-9.

Plinio Hurtado, PhD, Lisa Jeffs, PhD, Jodie Nitschke, Mittal Patel, **Gharfar Tahmasebi-Sarvestani, PhD**, John Cassidy, PhD, Pravin Hissaria, David Gillis, MD, PhD and Chen Au Peh, MD, PhD. CpG oligodeoxynucleotide induces production of antibody to neutrophil cytoplasmic antigen *in vitro***.** BMC Immunology **(2008)**, **9**:34

Andrew B Fagan FRACS , **Ghafar Tahmasebi-Sarvestani PhD**, Robert J Moore PhD, Robert D Fraser AM MD, Barrie Vernon-Roberts AO MD PhD, Peter C. Blumbergs FRCPA. Innervation of Experimental Anulus Tears; a Confocal Immunohistochemical Study. *Journal of Spine **(2009)**. Submitted.*

Islam Hassan K [1], Peter C Blumbergs[2,3], Jim Manavis[2], **Ghafar Tahmasebi-Sarvestani**[2,3], Robert Vink[3]. The Role of Substance P in Cerebral Oedema Associated with Contusion and Infarction. *Neurosurgical Society of Australia Annual Scientific Meeting **(2007)*** in the Gold Coast.

Plinio Hurtado, Manuela Jancek, Jodie Nitshky, **Ghafar Tahmasebi-Sarvestani**, Chen Au Peh Endogenous MPO and PR3 may provide source of ANCA antigens during monocyte differentiation into dendritic cells. 12th International Vasculitis and ANCA Workshop. June 15-18, 2007, Heidelberg, Germany

Tahmasebi-Sarvestani A G, Fraser R, Fagan A, Moore R, Vernon-Roberts B, Blumbergs P (**2006**). Imaging the detail of nerve endings in intervertebral disc using an advance Immuno-Fluorescence Microscopy. Proceeding Focus on Microscopy, University of Western Australia, Perth, Australia.

Liqun Yang MS , Nigel R. JonesPHD FRACS, Peter C. Blumbergs FRACP FRCPA , Corinna Van Den Heuvel PhD, Emma J. Moore BSC (HONS), Jim Manavis BSC, **Ghafar Tahmasebi-Sarvestani, PhD**, Mounir N. Ghabriel PhD. (**2005)** Severity-dependent expression of pro-inflammatory cytokines in traumatic spinal cord injury in the rat. Journal of Clinical Neuroscience 2005;12(3), 276–284

Liqun Yang, PhD, Peter C. Blumbergs, FRACP, FRCPA, Nigel R. Jones, PhD, FRACS, Jim Manavis, BSc (Hons), **Ghafar Tahmasebi-Sarvestani, PhD**, and Mounir N. Ghabriel, PhD. (**2004**). Early Expression and Cellular Localization of Proinflammatory Cytokines Interleukin-1β, Interleukin-6, and Tumor Necrosis Factor-α in Human Traumatic Spinal Cord Injury. Spine 2004;29:966-971.

G.Tahmasebi-Sarvestani, A.J. Page, R.L. Young, J.J. Lu, N.J. Cooper and L.A. Blackshaw. (**2004**). An immunofluorescence confocal microscopy study of neural structures in the ferret lower esophagus. Proceeding 18th Australian Conference on Microscopy and Microanalysis.B9-:155, Deakin University, Geelong, Victoria, Australia.

Tahmasebi-Sarvestani, G, Tedman, R.A. and Goss, A. (**2001**). The influence of degenerative joint disease on articular nerve endings. Journal of Orofacial Pain.15, 206-217 (2001).

Fagan A.B, Fraser R.D, Vernon-Roberts B, Blumbergs P.C, **Tahmasebi-Sarvestani G**. The innervation of annular tears in the sheep lumbar spine. Journal of Bone & Joint Surgery-British Volume. **2000**, 82-B(Suppl.1), p.30.

Fagan A, Fraser R, **Tahmasebi-Sarvestani G**, Moore R, Vernon-Roberts B, Blumbergs P (**1999**). The innervation of annular tears in the sheep lumbar spine. Proceeding International Society for the study of the lumbar spine, Hawaii, USA.

Fagan A, Fraser R, **Tahmasebi-Sarvestani G**, Moore R, Vernon-Roberts B, Blumbergs P (**1998**). The nerve supplies of normal and degenerated intervertebral discs in the sheep. Proceedings of the Spine Society of Australia Annual Scientific Meeting in Queenstown, New Zealand.

Tahmasebi-Sarvestani, G., Tedman, R.A. and Goss, A. (**1997**). Distribution and coexistence of neuropeptide immunoreactive nerve fibres in the temoromandibular joint of late gestation fetal sheep. Journal of Anatomy. 191: 245-257

Tahmasebi-Sarvestani G (1997). Innervation of the TMJ. An experimental animal model. ***PhD thesis***, Adelaide University

Tahmasebi-Sarvestani, G., Tedman, R.A. and Goss, A. (**1996**). Neural structures within the sheep temoromandibular joint. Journal of Orofacial Pain. 10: 217-231..

Tahmasebi-Sarvestani, G., Tedman, R.A. and Goss, A. (**1996**). Distribution of PGP 9.5, Substance P, and CGRP immunoreactive nerve fibres in the temoromandibular joint of late gestation fetal sheep. Journal of Medicine. 26: 475.

Tahmasebi-Sarvestani G, Tedman R.A and Goss A. (**1996**). Sensory and Autonomic nerves within the sheep temporomandibular joint. Proceedings of the Australian Neurosciences Society 7:231.

Tahmasebi-Sarvestani, G., Tedman, R.A. and Goss, A. (**1996**). The influence of degenerative joint disease on nerve terminals. An experimental animal model. Proceedings IX International congress on neuromuscular diseases, Adelaide

Tahmasebi-Sarvstani G, Tedman R.A, and Goss A. (**1995**) Neural structures within the sheep temporomandibular joint. Proceedings of the first Asia-Pacific anatomical conference P 135 Singapore

Tahmasebi-Sarvestani G, Tedman R.A, Goss A. (**1994**) Demonstration of nerve endings in the sheep temporomandibular joint by using fluorescence and gold chloride technique. Proceedings Anatomical Society of Australia and New Zealand Conference, Sydney.

In addition I have been acknowledged in many journal publications, thesis and scientific presentations due to my contribution in research works.