

CURRICULUM VITAE

PROFESSOR PAUL GERARD BANNON

MBBS | FRACS | PhD | AS (MacqU)



Professor Paul Bannon is the Chairman of the Baird Institute for Applied Heart and Lung Surgical Research, a not-for-profit medical research institute established in 2001, to improve the outcomes and better the lives of those undergoing heart and lung surgery.

He currently holds the Professorial Chair of Cardiothoracic Surgery, University of Sydney, and is Vice President, President-elect of the Australia and New Zealand Society of Cardiothoracic Surgeons.

He is also the Co Chair of the Cardiac Devices Committee for the Agency of Clinical Innovation, Ministry of Health NSW, and has held various positions in the Royal Australasian College of Surgeons and Royal Prince Alfred Hospital.

Professor Bannon's teaching responsibilities are currently to all years of the Graduate Medical Program at Sydney Medical School, University of Sydney. He supervises local and international Doctorate, Masters and Honours students as well as international elective students.

He is the Co Editor-in-Chief of The Annals of Cardiothoracic Surgery and a Director of the CORE Group for International Collaborative Research. Professor Bannon has published widely in books, journals and conference proceedings on cardiothoracic surgery, basic science and evidence based medicine. He has a particular passion for translational research in the areas of congenital aortic and mitral valve disease, biomaterials and biocompatibility, limitation of blood product usage in cardiac surgery, the inflammatory response to bypass and the development of academic surgical careers.

11 February 2013

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Personal Details:

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Education:

Primary: Villa Maria Primary School, Hunters Hill
Secondary: St Ignatius College, Riverview
Tertiary: Sydney Medical School, University of Sydney
Heart Research Institute, University of Sydney

Qualifications:

1980 **Secondary:** Higher School Certificate
1987 **University** Bachelor of Medicine, Bachelor of Surgery
 Degrees: (MBBS), University of Sydney
1998 Doctor of Philosophy (Medicine)
 University of Sydney
1998 Fellow of the Royal Australasian College of Surgeons
 (FRACS).

Medical Registration:

1987 - present New South Wales Medical Board.

Post Graduate Education:

- 1992 Use of the Confocal Microscope, University of Sydney
- 1992 Use of the Scanning Electron Microscope, University of Sydney
- 1999 RACS Younger Fellows Preparation for Practice Course, Auckland
- 2002 RACS Interviewing Training Course, Sydney

Post Graduate Training:

- 1987 Internship, St Vincent's Hospital, Darlinghurst, NSW
- 1988 - 1989 Resident Medical Officer, St Vincent's Hospital, Darlinghurst, NSW
- 1990 Cardiothoracic Surgical Registrar, Royal Prince Alfred Hospital, Camperdown, NSW
- 1991 - 1993 Doctorate, Heart Research Institute, Camperdown, NSW
- 1994 Upper GIT Surgical Registrar, Westmead Hospital, Westmead, NSW
- 1994 Colorectal Surgical Registrar, Royal Prince Alfred Hospital, Camperdown, NSW
- 1995 Vascular Surgical Registrar, Wollongong Hospital, Wollongong
- 1995 Vascular Surgical Registrar, Blacktown Hospital, Blacktown
- 1996-1997 Cardiothoracic Surgical Registrar, Royal Prince Alfred Hospital, Camperdown, NSW
- 1998 Paediatric Cardiothoracic Surgical Registrar, The Children's Hospital, Westmead

Previous Appointments:

- 1998 - 2003 Visiting Medical Officer in Cardiothoracic Surgery, Liverpool Hospital, Liverpool, NSW.
- 1998 - 2003 Visiting Medical Officer in Cardiothoracic Surgery, Sydney South West Private Hospital, Liverpool, NSW.
- 1998 - 2003 Visiting Medical Officer in Cardiothoracic Surgery, Sydney Private Hospital (formerly New South Wales Masonic Hospital), Ashfield, NSW.
- 1998 - 2004 Clinical Senior Lecturer in Surgery, Faculty of Medicine, University of Sydney, NSW.
- 1998 - 2004 Member, Care of the Critically Ill Surgical Patient (CCrISP) Committee, Royal Australasian College of Surgeons.
- 1998- 2004 CCrISP Course Director and Tutor, Royal Australasian College of Surgeons.
- 1998- 2008 Supervisor, Advanced Surgical Training, Royal Prince Alfred Hospital, Camperdown, NSW.
- 2001 - 2004 Member, Board of Cardiothoracic Surgery, Royal Australasian College of Surgeons.
- 2001 - 2004 Chairman, Education and Scientific Committee, Australian Society of Cardiac and Thoracic Surgeons.
- 2003 2009 Co-founder, Chair, Johnson and Johnson Sydney Cardiothoracic Journal Club.
- 2003 2010 Cardiothoracic Editor, ANZ Journal of Surgery.
- 2004- 2009 Clinical Associate Professor, Department of Surgery, University of Sydney, NSW.
- 2004 - 2012 Member Advisory Committee to Academy of Surgical Educators, Royal Australasian College of Surgeons.
- 2006 2006 Deputy President, Royal Prince Alfred Hospital Medical Officers Association and Convenor of the 72nd Annual Reunion Week for Cardiothoracic Surgery, Camperdown, NSW.
- 2006 2007 President, Royal Prince Alfred Hospital Medical Officers Association and Co-chairman of the 73rd Annual Reunion Week/125-year celebrations, Camperdown, NSW.
- 2006 - 2012 Member, Trauma Committee, Royal Prince Alfred Hospital, Camperdown, NSW.
- 2008 - 2012 Associate Cardiac Surgery Editor, Heart, Lung and Circulation.

Previous Appointments cont:

2011 - 2012 Member, Patient Care Committee,
Royal Prince Alfred Hospital, Camperdown, NSW.

Current Surgical Appointments:

1998 - present Visiting Medical Officer in Cardiothoracic Surgery,
Royal Prince Alfred Hospital, Camperdown, NSW.

1998 - present Visiting Medical Officer in Cardiothoracic Surgery,
Repatriation General Hospital, Concord, NSW.

1998 - present Visiting Medical Officer in Cardiothoracic Surgery,
Strathfield Private Hospital, Strathfield, NSW.

2000 - present Visiting Medical Officer in Cardiothoracic Surgery,
The Mater Hospital, North Sydney, NSW.

2009 - present Visiting Medical Officer in Cardiothoracic Surgery,
Macquarie University Hospital, North Ryde, NSW.

Current Academic Appointments:

1998 - present Head of Research, Department Cardiothoracic Surgery,
Royal Prince Alfred Hospital, Camperdown, NSW.

2001 - present Chairman, The Baird Institute for Applied Heart and Lung Surgery,
Newtown, NSW.

2008- present Advanced Scholar,
Macquarie University, NSW.

2009 - present Professor, Chair of Cardiothoracic Surgery,
University of Sydney, NSW.

Other Current Appointments:

- 2011** **present** Cardiovascular Surgery Representative
Agency for Clinical Innovation, Chatswood, NSW.
- 2011** **present** Member, Centre for Cardiovascular Innovation Steering Committee
Royal Prince Alfred Hospital, Camperdown, NSW.
- 2012** **present** Co Chair of the Cardiac Devices Committee for the Agency of
Clinical Innovation, Ministry of Health, NSW.
- 2012** **present** Member, Cardiac Society Appropriateness Guidelines for
Myocardial Revascularisation Committee, Cardiac Society of
Australia and New Zealand, Sydney, NSW.
- 2012** **present** Co Editor-in-Chief, Annals of Cardiothoracic Surgery, Sydney,
NSW.
- 2012** **present** Director, CORE Group for Collaborative Research.
- 2012** **Present** Vice President, President elect, Australia and New Zealand Society
of Cardiothoracic Surgeons, Edgecliff, NSW.

Current Teaching Responsibilities:

- 2010 -** **present** Lecturer and Tutor, Stage 1, Graduate Medical Program,
Central Clinical School, University of Sydney, NSW.
- 2010 -** **present** Lecturer and Tutor, Stage 3, Graduate Medical Program,
Central Clinical School, University of Sydney, NSW.
- 2005 -** **present** Supervisor, Elective Students,
Department Cardiothoracic Surgery, Royal Prince Alfred Hospital,
Camperdown, NSW.
- 1998 -** **present** Supervisor, Honours, Masters and PhD students,
University of Sydney, NSW.

Presentations:

- 23 Jun 2012 **“Managing the dilated ascending aorta”**.
2012 ASEANZ Cardiothoracic and Metabolic Forum, Melbourne, VIC.
- 13 May 2012 **“High Risk Cardiac Surgery”**.
8th Biennial International Conference, Pakistan Society of Cardiovascular & Thoracic Surgeons, Pearl Continental Hotel, Bhurban, Pakistan.
- 12 May 2012 **“Thoracic Aortic Aneurysm Disease and the Bicuspid Aortic Valve”**.
8th Biennial International Conference, Pakistan Society of Cardiovascular & Thoracic Surgeons, Pearl Continental Hotel, Bhurban, Pakistan.
- 10 May 2012 **“Principles and Practice of Blood Management in Cardiac Surgery. The Australian Experience - One Year On.**
Baxter BioSurgery Institute, Blood management strategy in cardiac surgery, Principles and Practice Advisory Board. Kuala Lumpur, Malaysia.
- 7 May 2012 **“Integrated University and College Training: Better or Worse?”**
The making of a surgeon, Royal Australasian College of Surgeons 81st annual scientific congress, Kuala Lumpur Convention Centre, Malaysia.
- 7 May 2012 **“Bicuspid Aortic Valve: Controversies and Surgical Management”**.
The making of a surgeon, Royal Australasian College of Surgeons 81st annual scientific congress, Kuala Lumpur Convention Centre, Malaysia.
- 27-29 May 2011 **“Blood Conservation in Cardiac Surgery”**.
Baxter BioSurgery Institute, Principles and Practice Advisory Board. Bangkok, Thailand.
- 27-29 May 2011 **“Blood Conservation in Aortic Surgery”**.
Baxter BioSurgery Institute, Principles and Practice Advisory Board. Bangkok, Thailand.
- 2 May 2011 **“Pathways to Promotion”**.
Developing a Career in Academic Surgery Course, Section of Academic Surgery, Royal Australasian College of Surgeons, 2 May 2011, Adelaide Convention Centre, Adelaide, SA.

Presentations cont:

- 16-20 Feb 2011 **“SIRS: what is it and how do we avoid it?”**
CT CON 2011, 57th Annual National Conference of the Indian Association of Cardiovascular and Thoracic Surgeons, Chennai, India.
- 15 Feb 2011 **“Surgical management and research into bicuspid aortic valve disease”.**
Pondicherry Institute of Medical Sciences (PIMS), Pondicherry, India.
- Aug 2010 **"Congenitally Abnormal Aortic Valves And Aortopathies".**
CSANZ 2010, 58th Annual Scientific Meeting, Cardiac Society of Australia and New Zealand, 5-8 August 2010, Adelaide Convention Centre, Adelaide, SA.
- May 2008 **"CT Scanning in Cardiac Surgery".**
Concord CT 2008, Sydney, NSW.
- Mar 2008 **"Imaging in Cardiac Surgery".**
Sydney Radiology Update, Royal Prince Alfred Hospital, Camperdown, NSW.
- Feb 2008 Surgical Commentator on **"Complex Catheter Techniques".**
Kobe, Japan.
- 2007 **"Surgical Management of Heart Failure".**
Japanese Association of Coronary Artery Surgeons, Tokyo, Japan.
- 2-3 Nov 2007 **"Surgical Management of Heart Failure".**
SPMC-South Coast Doctors, NSW.
- 2-3 Nov 2007 **"Anti Warfarin Surgery".**
SPMC-South Coast Doctors, NSW.
- 28-29 Oct 2007 **"Coronary Artery Surgery in 2007".**
NSW Cardiology Update, Servier, Katoomba, NSW.
- May 2007 **"Australasian Cardiothoracic Training".**
Pan African Congress on Cardiothoracic Surgical Training, PASCAR. Nairobi, Kenya.
- Oct 2006 **"Practical Options for Successful Surgical Research within BST and AST Structure".**
Australasian Society of Cardiothoracic Surgeons Annual General Meeting, Cairns, QLD.
- Jun 2006 **"Collaborative Surgical Research".**
RPAH Reunion Week, Royal Prince Alfred Hospital, Camperdown, NSW.
- Nov 2005 **"Valve Selection in 2005".**
Royal Prince Alfred Hospital Cardiology Update Conference, Camperdown, NSW.

Presentations cont:

- Apr 2005 **"What's Hot in Cardiac Surgery?"**
Cardiology 2005: Combined RPAH-Mayo Clinic Program, Sydney, NSW.
- Apr 2005 **"Developing a Viable and Ongoing Surgical Research Program".**
Festschrift for Prof. C. F. Hughes, Sydney, NSW.
- 2003 **"Surgical Research: who does it and who pays for it?"** [*Invited speaker*]
Annual Scientific Congress, Royal Australasian College of Surgeons, Brisbane, QLD.
- 2003 **"Surgical Research and the Corporate World"** [*Invited speaker*].
St Jude Yarra Valley Symposium, VIC.
- Jun 2001 **"The Baird Institute: Providing the Framework and Direction for Future Surgeon-Scientists".**
Presented by: Bannon, P.G. Co-author: Vallely, M.P.
Institute for International Health, Camperdown, NSW.
- Dec 2000 **"The Systemic Inflammatory Response and Cardiopulmonary Bypass".**
Presented by: Bannon, P.G., Co-authors: Vallely, M.P., Hughes, C.F., Kritharides, L.
Department of Cardiology Grand Rounds, Concord Hospital, Concord, NSW.
- Jun 2000 **"Mitral Valve Surgery".**
Operating Room Nurses Day 2000, Getz, Mercure Hotel, Sydney, NSW.
- 1999 **"Prosthetic Heart Valves: An Overview".**
Annual Astra Physician Training Course, Sanctuary Cove, QLD.
- 1997 **"Intracoronary Stenting: An Update".**
Presented by: Bannon, P.G., Co-authors: Hughes, C.F, Hendel, P.N., Thomson, D.S., French, B.G., Cardiothoracic Surgery, Royal Prince Alfred Hospital, Camperdown, NSW.
- 1997 **"Transmyocardial Laser Revascularisation".**
Presented by: Bannon, P.G. Co-authored: Hughes, C.F, Hendel, P.N., Thomson, D.S., French, B.G., Cardiothoracic Surgery, Royal Prince Alfred Hospital, Camperdown, NSW.
- Feb 1997 **"Minimally Invasive Direct Coronary Artery Bypass Surgery".**
Presented by: Bannon, P.G. Co-authors: Hughes, C.F, Hendel, P.N., Thomson, D.S., French, B.G., Cardiothoracic Surgery, Royal Prince Alfred Hospital, Camperdown, NSW.
- Aug 1996. **"Partial Anomalous Pulmonary Venous Drainage And Atrial Septal Defects".**
Presented by: Bannon, P.G. Co-authored: Hughes, C.F, Hendel, P.N., Thomson, D.S., French, B.G., Division of Surgery, Royal Prince Alfred Hospital, Camperdown, NSW.

Presentations cont:

- May 1996 **"Redo Composite Aortic Root Replacement: 16 Year Experience"**.
Presented by: Bannon, P.G. Co-authored: Hughes, C.F, Hendel, P.N., Thomson, D.S., French, B.G., Inter Annual Scientific Congress, Surfers Paradise, QLD.
- 1993 **"Maintenance and Disruption of the Barrier Function of Basal and IL-1 Stimulated Vascular Endothelium by Heparins and Vasoactive Compounds"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Annual Inflammation Symposium, St Vincent's Hospital, Sydney, NSW.
- 1993 **"Effects Of Blood Monocyte Interaction With Human Carotid Artery Injured By Adrenoreceptor Agonists"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Heart Failure Symposium, Geneva, Switzerland.
- August 1993 **"Maintenance And Disruption Of The Barrier Function Of Basal And IL-1 Stimulated Vascular Endothelium By Heparins And Vasoactive Compounds"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Australian Vascular Biology Society, Coloundra, QLD.
- July 1993 **"Effects Of Glycosaminoglycans On Transendothelial Passage Of Monocytes And Plasma Proteins"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., International Thrombosis and Haemostasis Society, New York, U.S.A.
- May 1993 **"Long Saphenous Vein Endothelial Integrity In Coronary Bypass Graft Surgery"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Inter Annual Scientific Congress, Surfers Paradise, QLD.
- July 1992 **"Assessment Of The Vascular Endothelial Barrier To Plasma Proteins And Circulating Blood Monocytes"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Australian Atherosclerosis Society, Surfers Paradise, QLD.
- 1992 **"Cellular Interactions with Heparin: New perspective's on an Old Drug"**.
Presented by: Bannon, P.G. Co-authors: Dawes, J., Dean, R.T., Annual General Meeting British Society for Haemostasis and Thrombosis, Nottingham, England.

Presentations as Co-Author/Supervisor:

- 2006 **"Paracrine Effects Of Adipose Tissue On Atheroma".**
Sieveking, D., Bannon, P.G., Celermajer, D., Poster Presentation,
Cardiac Society of Australia and New Zealand, Canberra, ACT.
- Jul 2000 **"Endothelial Cell Adhesion Molecules And The Systemic
Inflammatory Response To Cardiopulmonary Bypass".**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. Royal Prince
Alfred Hospital Reunion Week, Sydney, NSW.
- Jul 2004 **"Endothelial VCAM-1 Expression Is Increased After OPCAB And
Decreased After CABG With Bypass".**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Bayfield, M.S., Kritharides,
L., World Society of Cardiothoracic Surgeons (Japan Chapter),
Yokohama, Japan.
- 21-26 Nov
2004 **"Are Elevated Levels Of Iron And Matrix Oxidation Products Present
In Human Atherosclerotic Lesions That Are Prone To Rupture?"**
2nd Australian Health and Medical Research Congress, Sydney, NSW.
- 3-5 Dec
2004 **"Are Elevated Levels Of Iron And Matrix Oxidation Products Present
In Human Atherosclerotic Lesions That Are Prone To Rupture?"**
13th Annual Conference of the Society for Free Radical Research,
Christchurch, New Zealand.
- 22-24 Oct
2004 **"Bone Marrow Neutrophil Release In Response To Cardiothoracic
Surgical Trauma In Humans."**
Annual Scientific Meeting of the Australasian Society of Cardiothoracic
Surgeons, Noosa, QLD.
- 2004 **"Pre-Operative Hypertriglyceridaemia Is Associated With Early
Occlusion Of Radial Artery But Not Saphenous Vein Coronary
Bypass Grafts."**
Lau, G.T., Ridley, L., Bannon, P., Brieger, D.B., Freedman, S.B.,
Sullivan, D., Wong, L., Kritharides, L. Ralph Reader finalist (Young
Investigator), Cardiac Society of Australia and New Zealand Annual
Scientific Meeting, Brisbane, QLD.
- 2004 **"Pre-operative hypertriglyceridaemia is associated with early
occlusion of radial artery but not saphenous vein coronary bypass
grafts."**
Lau, G.T., Ridley, L., Bannon, P., Brieger, D.B., Freedman, S.B.,
Sullivan, D., Wong, L., Kritharides, L. Moderated poster presentation at
the American Heart Association Scientific Sessions, New Orleans, USA.
- May 2002 **"Endothelial VCAM-1 expression is increased after OPCAB and
decreased after CABG with bypass."**
Vallely, M.P., Bannon, .PG., Hughes, C.F., Bayfield, M.S., Kritharides, L.
World Congress of Cardiology, Sydney, NSW.

Presentations as Co-Author/Supervisor cont:

- May 2002 **“Quantitative and temporal differences in platelet activation and thrombin generation between CABG with bypass and OPCAB.”**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Bayfield, M.S., Kritharides, L.
World Congress of Cardiology, Sydney, NSW.
- Nov 2002 **“Coronary artery surgery without cardiopulmonary bypass reduces neutrophil activation relative to surgery with bypass.”**
Vallely, M.P., Bannon, P.G., Bayfield, M.S., Hughes, C.F., Wong, M.,
Kritharides, L. ACT Royal Australasian College of Surgeons Scientific
Meeting, Canberra, ACT.
- Nov 2001 **“Mechanisms of the systemic inflammatory response and cardiopulmonary bypass: a possible role for IL-10 and TGF β 1 in decreased expression of ICAM-1 and VCAM-1.”**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. American Heart
Association Scientific Sessions, Anaheim, California, USA.
- Nov 2001 **“Coronary artery surgery without cardiopulmonary bypass causes greater and earlier increases in circulating IL-8, IL-10 and Troponin-T than surgery without bypass.”**
Vallely, M.P., Bannon, P.G., Bayfield, M.S., Hughes, C.F., Kritharides, L.
American Heart Association Scientific Sessions, Anaheim, California,
USA.
- Nov 2001 **“Coronary artery surgery without cardiopulmonary bypass reduces neutrophil activation relative to surgery with bypass.”**
Vallely, M.P., Bannon, P.G., Bayfield, M.S., Hughes, C.F., Wong, M.,
Kritharides, L. American Heart Association Scientific Sessions, Anaheim,
California, USA.
- May 2001 **"The systemic inflammatory response and cardiac surgery: On-pump vs off-pump".**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Bayfield, M.S., Kritharides, L..
Cardiovascular Registrars' Research Forum, Melbourne, VIC.
- Aug 2001 **"Human coronary artery surgery without cardiopulmonary bypass reduces neutrophil activation relative to surgery on bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Bayfield, M.S., Wong, M.,
Kritharides, L. Accepted for presentation in the Ralph Reader Prize
competition, The Annual Scientific Meeting of The Cardiac Society of
Australia and New Zealand, Auckland, New Zealand.
- Jul 2001 **Coronary artery surgery without cardiopulmonary bypass reduces neutrophil activation relative to surgery with bypass"**
Vallely, M.P., Bannon, P.G., Bayfield, M.S., Hughes, C.F., Wong, M.,
Kritharides, L. [Winner, The Patron's Prize]. Royal Prince Alfred Hospital
Reunion Week, Sydney, NSW.
- Dec 2000 **"The systemic inflammatory response and cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. Department of
Cardiology Grand Rounds, Concord Hospital, Concord, NSW.

Presentations as Co-Author/Supervisor cont:

- Oct 2000 **"The systemic inflammatory response and cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. Heart Research Institute Seminar, Camperdown, NSW.
- Oct 2000 **"Endothelial cell adhesion molecules and cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. 15th Inter Annual Scientific Conference, Noosa, QLD.
- Aug 2000 **"Inappropriate therapy in patients with implantable cardioverter defibrillators."**
Iyer, R., Singleton, C., Booth, V., Bayfield, M., Bannon, P., McGuire, M. The Cardiac Society of Australia and New Zealand 48th Annual Scientific Meeting, Melbourne, VIC.
- Aug 2000 **"Clinical outcome following implantation of automatic defibrillators."**
Singleton, C.B., Iyer, R., Booth, V., Bayfield, M., Bannon, P., McGuire, M. The Cardiac Society of Australia and New Zealand 48th Annual Scientific Meeting, Melbourne, VIC.
- Aug 2000 **"Intercellular adhesion molecule-1 (ICAM-1) expression by endothelial cells and soluble ICAM-1 levels do not correlate during cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. Poster presentation, The Cardiac Society of Australia and New Zealand 48th Annual Scientific Meeting, Melbourne, VIC.
- Jul 2000 **"Endothelial cell adhesion molecules and the systemic inflammatory response to cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. Royal Prince Alfred Hospital Patrons Week, Camperdown, NSW.
- May 2000 **"Intercellular adhesion molecule-1 (ICAM-1) expression by endothelial cells and soluble ICAM-1 levels do not correlate during cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Dean, R.T., Kritharides, L. Royal Australasian College of Surgeons Annual Scientific Congress, Melbourne, VIC.
- Oct 1999 **"Haptoglobin elutes from the coronary sinus of patients with coronary artery disease: a possible marker of atherosclerosis."**
Matuscek, M., Bannon, P., Kritharides, L., Dean, R. Poster presentation, 14th Inter Annual Scientific Conference, Noosa, QLD.
- Oct 1999 **"Induction of endothelial cell-bound adhesion molecules and cardiopulmonary bypass."**
Vallely, M.P., Bannon, P.G., Hughes, C.F., Dean, R.T., Kritharides, L. Poster presentation, 14th Inter Annual Scientific Conference, Noosa, QLD.

Presentations as Co-Author/Supervisor cont:

- Oct 1997 **"Results and technique of 're-do' composite graft replacement of the aortic root. A 20 year experience."**
Valley, M.P., Bannon, P.G., Hughes, C.F., Thomson, D.S., Hendel, P.N., French, B.G., Bayfield, M.S. NSW Royal Australasian College of Surgeons Scientific Meeting - Registrars Papers Day, Sydney, NSW.

Conference Sessions Chaired or Facilitated:

- 10 May 2012 Bannon, P. (2012) Debate: CABG vs PCI **[Panellist]**. Scientific Programme, 8th Biennial International Conference, Pakistan Society of Cardiovascular & Thoracic Surgeons, Pearl Continental Hotel, Bhurban, Pakistan. Panellist 10 May 2012. 5-6p.
- 10 May 2012 Bannon, P. (2012) Opening and closing addresses. Baxter BioSurgery Institute, Blood management strategy in cardiac surgery, Principles and Practice Advisory Board. Kuala Lumpur, Malaysia. Presented 10 May 2012. 1p.
- 8 May 2012 Bannon, P. (2012) Masterclass (MC7) **[Moderator]**. Scientific Program: The making of a surgeon, Royal Australasian College of Surgeons 81st annual scientific congress, Kuala Lumpur Convention Centre, Malaysia. Moderator 8 May 2012. 40p.
- 7 May 2012 Bannon, P. (2012) Keynote Lecture in Cardiothoracic Surgery **[Chair]**. Scientific Program: The making of a surgeon, Royal Australasian College of Surgeons 81st annual scientific congress, Kuala Lumpur Convention Centre, Malaysia. Chair 7 May 2012. 85p.
- 7 May 2012 Bannon, P. (2012) Cardiothoracic Surgery **Co-convenor**. Scientific Program: The making of a surgeon, Royal Australasian College of Surgeons 81st annual scientific congress, Kuala Lumpur Convention Centre, Malaysia. Chair 7 May 2012. 83p.
- 9 Aug 2011 Bannon, P. (2011) Vascutek Terumo Young Achiever's presentations **[Chairperson]**. Scientific Program, Australasian Society of Cardiac and Thoracic Surgeons 2011 Annual Scientific Meeting, Millennium Hotel, Queenstown, New Zealand, 7-10 August 2011. 9 August 2011. 6p.
- 6 Nov 2010 Bannon, P. (2010) Academic surgery when, where, how and why? An informal insight into an academic surgical career **[Panel member]**. Scientific Program, Australasian Society of Cardiac and Thoracic Surgeons 2010 Annual Scientific Meeting, 4-7 November 2010, Hamilton Island, Queensland. 6 November 2010. 6p.

Abstracts Published:

1. Jackson, D., Bannon, P., Pressley, L., Sholler, G., Winlaw, D., Celermajer, D. (2012) RPAH adult congenital heart disease database: facilitating lifetime management of congenital heart disease. *Heart, Lung and Circulation*. 21(Suppl. 1):S299.
2. Choudhary, P., Jackson, D., Celermajer, D., Bannon, P. (2012) Why do patients with bicuspid aortic valves (BAV) have surgery? *Heart, Lung and Circulation*. 21(Suppl. 1):S284.
3. Sherrah, A., Andvik, S., Bannon, P., Padang, R., Jeremy, R. (2012) Predictors of survival in heritable thoracic aortic aneurysm. *Heart, Lung and Circulation*. 21(Suppl. 1):S282.
4. Edelman, J., Fung, L., Kritharides, L., Bannon, P., Fraser, J., Vallely, M. (2012) Neutrophils are hyporesponsive after OPCAB. *Heart, Lung and Circulation*. 21(Suppl. 1):S281.
5. Edelman, J., Reddel, C., Fraser, J., Bannon, P., Kritharides, L., Curnow, J., Vallely, M. (2012) Early and late coagulation and fibrinolysis after CABG and OPCAB. *Heart, Lung and Circulation*. 21(Suppl. 1):S277.
6. Cao, C., Bannon, P., Munkholm-Larsen, S., Yan, T., Ang, S. (2012) Current level 1A evidence for radial artery versus saphenous vein in coronary artery bypass graft surgery: a meta-analysis of randomised control trials. *Heart, Lung and Circulation*. 21(Suppl. 1):S277.
7. Padang, R., Bagnall, R., Richmond, D., Bannon, P., Semsarian, C. (2012) Rare non-synonymous variations in the transcriptional activation domains of GATA5 in patients with bicuspid aortic valve and its associated aortopathy. *Heart, Lung and Circulation*. 21(Suppl. 1):S270.
8. Mollahajian, H., Wise, S., Bannon, P., Ng, M. (2012) Recombinant fibrillin-1 fragment, PF8, a new candidate to biofunctionalise endovascular stents and grafts. *Heart, Lung and Circulation*. 21(Suppl. 1):S239.
9. Cao, C., Manganas, C., Vallely, M., Bannon, P., Munkholm-Larsen, S., Yan, T., Ang, S. (2012) Drug-eluting stents versus coronary artery bypass graft surgery in left main coronary artery disease - a meta-analysis of randomised and nonrandomised studies. *Heart, Lung and Circulation*. 21(Suppl. 1):S37.
10. Byrom, M., Wise, S., Liu, H., Bao, B., Bilek, M., Bannon, P., Ng, M. (2012) Enhancement of biocompatibility of synthetic vascular grafts by covalent immobilisation of recombinant human tropoelastin. *Heart, Lung and Circulation*. 21(Suppl. 1):S1.
11. Davies, R.A., Black, D., Jeremy, R.W., Bannon, P.G., Bayfield, M.S., Hendel, P.N., Hughes, C.F., Wilson, M.K., Vallely, M.P. (2011) Evolution in the techniques and outcomes of aortic arch surgery: a 22 year single centre experience. *Heart, Lung and Circulation*. 20(12):791.
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3. Edelman, J.J.B., Yan, T.D., Wilson, M.K., Bannon, P.G., Vallely, M.P. (2011) Radial artery versus saphenous vein as the second conduit in coronary artery bypass grafting - a meta-analysis of trials comparing clinical outcomes. *Heart, Lung and Circulation*. 20(Suppl 2):S227.
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41. Barakate, M.S., Bannon, P.G., Hughes, C.F., Horton, M.D., Callaway, A., Hurst, T. (2003) Emergency surgery after unsuccessful coronary angioplasty: a review of 15 years' experience. *The Annals of Thoracic Surgery*. 75(5):1400-5.
42. Allman, C., Rajaratnam, R., Kachwalla, H., Hughes, C.F., Bannon, P.G., Leung, D. Y. (2003) An unusual cause of hemolysis in a patient with an aortic valved conduit replacement. *Journal of the American Society of Echocardiography*. 16(2):188-190.
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Journal Articles Published cont:

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46. Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. (2002) Endothelial expression of ICAM-1 and VCAM-1 is suppressed by post-bypass containing increased soluble ICAM-1 and VCAM-1. *Journal of Thoracic and Cardiovascular Surgery*. 124(4):758-67.
47. Dalrymple-Hay, M.J.R., Crook, T., Bannon, P.G., Ohri, S.K., Haw, M.P., Bayfield, M.S., Hendel, P.N., Livesey, S.A., Hughes, C.F., Monro, J.L. (2002) Risk of reoperation for structural failure of aortic and mitral tissue valves. *Journal of Heart Valve Disease*. 11(3):419-23.
48. Gan, S., Bannon, P.G. (2002) Spontaneous malignant haemothorax: pulmonary haemangioendothelioma. *Australia and New Zealand Journal of Surgery*. 73(11):966-7.
49. Vallely, M.P., Bannon, P.G., Kritharides, L. (2001) The systemic inflammatory response syndrome and off-pump cardiac surgery. *The Heart Surgery Forum*. 4(Suppl 1):S7-13.
50. Vallely, M.P., Bannon, P.G., Hughes, C.F., Kritharides, L. (2001) Endothelial cell adhesion molecules and cardiopulmonary bypass. *Asian Cardiovascular and Thoracic Annals*. 9(4):349-55.
51. Vallely, M.P., Hughes, C.F., Bannon, P.G., Hendel, P.N., French, B.G., Bayfield, M.S. (2000) Composite graft replacement of the aortic root after previous cardiac surgery: a 20-year experience. *The Annals of Thoracic Surgery*. 70(3):851-5.
52. Bannon, P.G., Kim, M.J., Dean, R.T., Dawes, J. (1995) Augmentation of vascular endothelial barrier function by heparin and low molecular weight heparin. *Thrombosis and Haemostasis*. 73(4):706-12.
53. Bannon, P.G., Dean, R.T., Dawes, J. (1995) Isolation and maintenance of nonadherent quiescent human monocytes for studies of adhesion and migration. *Methods in Cell Science*. 17(1):53-9.
54. Bannon, P.G., Dawes, J., Dean, R.T. (1994) Malformin A prevents IL-1 induced endothelial changes by inhibition of protein synthesis. *Thrombosis and Haemostasis*. 72(3):482-3.

Letters to the Editor:

1. Cao, C., Bannon, P., Yan, T.D. (2013) Transcatheter aortic valve implantation: Clinical evidence versus clinical practice. *The Journal of Thoracic and Cardiovascular Surgery*. 145(2):615-6.
2. Edelman, J.J.B., Bannon, P.G., Vallely, M.P. (2012) Letter by Edelman et al regarding article, "Second internal thoracic artery versus radial artery in coronary artery bypass grafting: a long-term, propensity score-matched follow-up study". *Circulation*. 125(17):e630.
3. Edelman, J.J., Yan, T.D., Vallely, M.P., Bannon, P.G., (2011) The Gordian knot of revascularization for multivessel coronary artery disease. *Journal of Thoracic and Cardiovascular Surgery*. 142(1):242-3.
4. Cao, C. Manganas, C., Peeceeyen, S., Bannon, P., Yan, T.D. (2011) Critical review of revascularization techniques for left main coronary artery disease. *European Heart Journal*. Published online 13 November 2011.

Book Chapters Published:

1. Bannon, P., James, N., Jessup, W. (2003) The endothelial cell in atherosclerosis. In dean, R., Kelly, D. (eds) *Atherosclerosis: gene expression, cell interactions and oxidation*. Oxford: Oxford University Press 2, p137-58.

Teaching Activities:

PHD DISSERTATIONS

Candidate	Topic	Supervisor	Completed or scheduled date
Vallely, M.	Inflammation, coagulation and off-pump cardiac surgery.	Prof Paul Bannon	2005
Byrom, M.	Development of new artificial blood vessels for use in vascular bypass surgery.	Prof Paul Bannon, Martin Ng	2007 - 2013
Cao, C.	Surgical management of mesothelioma and non-small cell lung cancer.	Prof Paul Bannon	2010 - 2014
Edelman, J.	Mechanisms of linking tissue injury with inflammation. Mechanisms of thrombotic complications during and after surgery.	A/Prof Michael Vallely, Prof Paul Bannon	2010 - 2013
Padang, R.	Clinicopathological correlation and the genetic basis of familial and sporadic bicuspid aortic valve disease.	Prof Paul Bannon, Chris Semsarian	2011 - 2014
Mollahajian, H.	Biocompatibility of vascular grafts.	Prof Paul Bannon, Martin Ng	2011 - 2014
Dhurandhar, V.	High risk cardiac surgery in elderly and very elderly patients.	Prof Paul Bannon	2012 – 2016

MASTERS LEVEL TREATISE, THESIS AND RESEARCH PROJECT DISSERTATIONS

Candidate	Topic	Supervisor	Completed or scheduled date
Barakate, M.	Management of stenotic disease of the coronary, intracranial and mesenteric arteries by endovascular and open surgery.	Profs Cliff Hughes and Paul Bannon	2002
Azari, M.	The safety and efficacy of pulmonary thromboendarterectomy in chronic thromboembolic	Prof Paul Bannon	2012

pulmonary hypertension.

Teaching Activities cont:

BACHELOR OF MEDICINE, BACHELOR OF SURGERY WITH HONOURS RESEARCH

Candidate	Topic	Supervisor	Completed or scheduled date
Lal, S.	Antibody arrays and cardiopulmonary bypass.	Prof Paul Bannon	2002
Sharma, A	Beating heart versus traditional heart surgery and the inflammatory response.	Prof Paul Bannon	2002
Robinson, B.	Surgical outcomes in stage 1 non-small cell lung cancer: survival and prognostic factors in 1405 consecutive patients.	Prof Paul Bannon and AProf Brian McCaughan	2005
Swinkels, S.	A retrospective review of a single unit's experience of aortic arch surgery using hypothermic circulatory arrest: techniques used for cerebral protection and associated mortality and neurological morbidity.	Prof Paul Bannon	2006
Sherrah, A.	An algorithm for the management of thoracic and abdominal aneurysms.	Prof Paul Bannon	2009
Mortimer, R.	Designing an algorithm for the surgical management of heart failure due to ischaemic cardiomyopathy.	Prof Paul Bannon	2009
Hewa-Geeganage, S.	Reassessing Warfarin in the era of anticoagulation in valve replacement and atrial fibrillation: anti-Warfarin surgery, alternatives, advances and alterations.	Prof Paul Bannon	2009
Harris, R.	Outcomes of aortic valve replacement in octogenarians.	A/Prof Michael Vallely, Prof Paul Bannon	2011
Cooper	Does off-pump coronary artery bypass offer any survival advantage or decrease morbidity when compared to conventional coronary artery bypass in high-risk sub-groups such as octogenarians, diabetics, patients with left	A/Prof Michael Vallely, Prof Paul Bannon	2012

ventricular dysfunction and renal insufficiency?

Teaching Activities cont:

BACHELOR OF MEDICINE, BACHELOR OF SURGERY RESEARCH

Candidate	Topic	Supervisor	Completed or scheduled date
Davies, R.	Outcomes of aortic arch replacement surgery and evolution of techniques in the last 20 years.	A/Prof Michael Vallely, Prof Paul Bannon	2012
Starra, E.	Thirty-day morbidity and mortality of aortic root replacement surgery.	Prof Paul Bannon	2011 - 2014
Woldendorp, K.	Thirty-day morbidity and mortality of aortic root reconstruction surgery.	Prof Paul Bannon	2011 - 2014

Inspections of Cardiothoracic Surgical Units For Division of Cardiothoracic Surgery, Royal Australasian College of Surgeons:

Whilst a member of the board, I participated in a number of Unit Reviews for re-accreditation of cardiac units for the Board of Studies of the Division of Cardiothoracic Surgery.

These included Units in:

- Christchurch, New Zealand.
- Wellington, New Zealand.

Membership of Professional Societies:

1998 - present Australian Medical Association

1998 - present Australasian Society of Cardiac and Thoracic Surgeons

Community Service Organisations:

2011- present Surf Aid International

2011- present The Sumba Foundation Australia