

1st International Conference on
Frontiers in Vascular Medicine
Monash University, Melbourne, August 26-28, 2005

Friday, August 26th, 2005

16:00-18:00 Registration			
Welcome and Opening 18:00-18:30			
18:00		Harald Schmidt Monash University	<i>Welcome</i>
		Edward Byrne Dean, Faculty of Medicine, Nursing & Health Sciences Monash University	<i>Official Opening</i>
Plenary Lecture 18:30-19:30		Chair	Harald Schmidt, Monash University
18:30	O1	David Harrison Emory University USA	<i>Vascular Disease, Oxidative Reactions and Regulation of the Endothelial NO Synthase</i>
Oxidative Stress 19:30-20:30		Chairs	James Angus, University of Melbourne Kevin Croft, University of Western Australia
19:30	O2	Roland Stocker University of NSW	<i>Identification of the Structural Element and Mode of Action of Probucol Against Atherosclerosis and Restenosis</i>
19:45	O3	Grant Drummond Monash University	<i>A Role for NADPH Oxidase and Nox4 in Superoxide Production and Proliferation of Human Endothelial Cells</i>
20:00	O4	Greg Dusting Bernard O'Brien Institute of Microsurgery	<i>Suppression of NADPH Oxidase Activity in Vascular Disease and Reperfusion Injury</i>
20:15	O5	Jan Galle University of Würzburg Germany	<i>Induction of Proliferation, Apoptosis and Necrosis by Oxidized LDL</i>
Welcome Reception and Poster Session 20:30-22:30		Authors in Attendance 20:30-22:30	

Saturday, August 27th , 2005

Haemostasis 8:30-10:30		Chairs	Hatem Salem, Monash University Wolf-Dieter Schleuning, Schering
Plenary Lecture			
08:30	O06	Ulrich Walter University of Würzburg Germany	<i>Functional Role of cGMP-Dependent VASP Phosphorylation in Vascular Cells</i>
09:00	O07	Klaus Preissner University of Gießen Germany	<i>Extracellular RNA is a Procoagulant Factor in the Initiation of Blood Coagulation</i>
09:15	O08	Shaun Jackson Monash University	<i>New Insights into the Antithrombotic Potential of GPVI Inhibitors</i>
09:30	O09	Michael Hickey Monash University	<i>Role of Platelets in Promoting Leukocyte-Endothelial Cell Interactions in the Inflamed Glomerular Microcirculation</i>
09:45	O10	Michael Berndt Monash University	<i>Regulation of Platelet Adhesion by Distinct Inside-Out Signaling Mechanisms</i>
10:00	O11	Robert Medcalf Monash University	<i>Plasminogen Activators in the Brain - New Insights and Implications for Thrombolysis</i>
10:15	O12	Michael Gekle University of Würzburg Germany	<i>Alternative Aldosterone Signaling and the Possible Role of EGFR</i>

10:30-11:00

Morning Tea

Angiotensin: New Insights 11:00-12:45		Chairs	Stephen Harrap, University of Melbourne Harry Majewski, RMIT
Plenary Lecture			
11:00	O13	Robert Carey University of Virginia USA	<i>Emerging Role of the Angiotensin AT₂ Receptor in Cardiovascular and Renal Protection</i>
11:30	O14	Merlin Thomas Baker Heart Research Institute	<i>Interactions Between the Renin Angiotensin System (Ras) and Advanced Glycation In Pathogenesis of Diabetes And Its Complications</i>
11:45	O15	Walter Thomas Baker Heart Research Institute	<i>Is the Type 2 Angiotensin Receptor Really an Antagonist of the Type 1 Receptor?</i>

12:00	O16	Robert Widdop Monash University	<i>Are Angiotensin Peptide Fragments Endogenous AT₂ Receptor Ligands in Vasculature?</i>
12:15	O17	Tracey Gaspari Monash University	<i>Potential Role of Angiotensin Peptide Fragments in Atherosclerosis</i>
12:30	O18	Geoffrey Head Baker Heart Research Institute	<i>Renin Enhancer Knockout Mice Have Lower Blood Pressure and Reduced Responses to Stress</i>

Lunch and Poster Session 12:45-14:00	Authors in Attendance 13:15-14:00
-------------------------------------------------------	----------------------------------------------------

Nitric Oxide Signalling 14:00-16:45	Chairs	David Kaye, Baker Heart Research Institute Harald Schmidt, Monash University	
Plenary Lecture 14:00	O19	Werner Müller-Esterl University of Frankfurt Germany	<i>Translocation and Inactivation of NO Synthases Through Interacting Proteins</i>
Plenary Lecture 14:25	O20	Franz Hofmann University of München Germany	<i>Regulation of Cellular Functions by cGMP Kinases</i>
14:50	O21	Johannes-Peter Stasch Bayer HealthCare Germany	<i>NO- and Heme-Independent Activation of Soluble Guanylate Cyclase: Biochemical and Pharmacological Opportunities</i>
15:15	O22	Bruce Kemp St Vincents Institute	<i>Structural Basis for Endothelial NO Synthase Regulation by Tyrosine Phosphorylation</i>
15:30	O23	Bernhard Brüne University of Frankfurt Germany	<i>Nitric Oxide and Superoxide as Regulators of HIF-1α</i>
15:45	O24	Barbara Kemp-Harper Monash University	<i>The Nitroxyl Anion: A Novel Regulator of sGC and Vascular Tone</i>
16:00	O25	Jaye Chin-Dusting / David Kaye Baker Heart Research Institute	<i>L-Arginine Transport in Human Cardiovascular Disease</i>

16:15-16:45	Afternoon Tea
--------------------	----------------------

Diabetes 16:45-18:30		Chairs	Louise Burrell, Austin Hospital Owen Woodman, University of Melbourne
Plenary Lecture			
16:45	O26	Ingrid Fleming University of Frankfurt Germany	<i>eNOS In Platelets: What Is It Doing There and How is it Altered in Platelets in Patients with Type 2 Diabetes</i>
17:15	O27	Chris Triggle RMIT	<i>Endothelial Dysfunction in Rodent Models of Type 2 Diabetes</i>
17:30	O28	Karin Jandeleit-Dahm Baker Heart Research Institute	<i>Novel Treatments for Diabetes- Accelerated Atherosclerosis</i>
17:45	O29	Arun Kumar University of Gießen Germany	<i>Vasoconstrictors and calcium channels: Does the romance couple in a sweet way?</i>
18:00	O30	Helena Parkington Monash University	<i>Regional Endothelial Dysfunction in Diabetes Mellitus</i>
18:15	O31	Bronwyn Kingwell Baker Heart Research Institute	<i>Large Artery Stiffness and Diabetes</i>

Conference Dinner 19:30-00:30		STRIP Restaurant, Monash University	
	Chair	Warwick Anderson, School of Biomedical Sciences	
20:00		Warwick Anderson	<i>Welcome to STRIP and MUBI</i>
20:15	O32	Amanda Thrift National Stroke Research Institute	<i>Prevention of Stroke</i>
Frontiers of Opera		David Kram, Head of Opera, Victorian College of the Arts, Univ. Melbourne Wendy Jore Dmitri Pronin	
Terry Hogan & Band			

Sunday, August 28th, 2005

Stem Cells / Angiogenesis		Chairs	Andrew Elefanty, Monash University Peter Rogers, Monash University
09:00-11:00			
Plenary Lecture			
09:00	O33	Silviu Itescu Columbia University USA	<i>Stem Cells and Heart Diseases</i>
09:30	O34	Peter Rogers Monash University	<i>Arteriogenesis and Vascular Mural Cell Recruitment in the Mouse Endometrium</i>
09:45	O35	James Pearson Monash University	<i>Application of Synchrotron Radiation Techniques to Studies of Cardiac and Vascular Disease</i>
10:00	O36	Geraldine Mitchell Bernard O'Brien Institute of Microsurgery	<i>Neovascularization and Stem Cells in In Vivo Tissue Engineering</i>
10:15	O37	Steven Stacker Ludwig Institute	<i>Molecular Pathways for Lymphangiogenesis and their Role in Human Disease</i>
10:30	O38	Manfred Gessler University of Würzburg Germany	<i>Notch Signaling in Angiogenesis and Arteriovenous Specification</i>
10:45	O39	Kurt Bommert University of Würzburg Germany	<i>Contribution of the Bone Marrow Microenvironment to Signaling and Survival Pathways in Multiple Myeloma: Therapeutic Implications</i>

11:00-11:30

Morning Tea

AusBio Young Investigators		Chair	Colin Johnston, Baker Heart Research Institute Barry McGrath, Monash University
11:30-12:30			
11:30	O40	Nicola Smith Baker Heart Research Institute	<i>EGFR Transactivation by the Angiotensin II Type I Receptor Requires G Protein Coupling</i>
11:45	O41	Kevin Woollard Baker Heart Research Institute	<i>Raised Soluble P-Selectin Enhances Neutrophil Adhesion in Patients With Peripheral Arterial Occlusive Disease</i>
12:00	O42	Edna Lekgabe Howard Florey Institute	<i>Relaxin Reverses Cardiac And Renal Fibrosis in Spontaneously Hypertensive Rats</i>

12:15	O43	Antony Vinh Monash University	<i>Chronic Treatment with the Hexapeptide Angiotensin IV Improves Endothelial Dysfunction in Apolipoprotein E Deficient Mice</i>
--------------	------------	-----------------------------------------	----------------------------------------------------------------------------------------------------------------------------------

12:30-13:30	Lunch
--------------------	--------------

Innovative Drug Targets 13:30-15:30	Chairs	Warwick Anderson, Monash University Michael Lew, University of Melbourne	
Plenary Lecture 13:30	O44	Rudi Busse University of Frankfurt Germany	<i>Cytochrome P450 Epoxygenases and the Soluble Epoxide Hydrolase, Potential Drug Targets that are Involved in the Regulation of Blood Pressure and Cardiovascular Homeostasis</i>
14:00	O45	Chris Sobey University of Melbourne	<i>NADPH Oxidase Activity and Function is Profoundly Greater in Cerebral Versus Systemic Arteries</i>
14:15	O46	Caryl Hill Australian National University	<i>Role of Nifedipine-Insensitive Voltage Dependent Calcium Channels in the Control of Cerebral Vascular Tone</i>
14:30	O47	Michael Hill University of NSW	<i>BKCA and Regulation of Arteriolar Tone in Skeletal Muscle</i>
14:45	O48	Roger Evans Monash University	<i>Hypothesis: Renal Pre-Glomerular Arterial-Venous Oxygen Shunting is a Structural Antioxidant Defence Mechanism of the Kidney</i>
15:00	O49	Stavros Selemidis Monash University	<i>Suppression of NADPH Oxidase-Dependent Superoxide Production by Nitric Oxide in Human Endothelial Cells and Arteries</i>
15:15	O50	Kate Denton Monash University	<i>Functional Consequences of Phenotypic Conversion of the Afferent Arteriole During Chronic Angiotensin Converting Enzyme Inhibition</i>

15:30-16:00	Afternoon Tea
--------------------	----------------------

Prevention and Treatment 16:00-18:00		Chairs	Garry Jennings, Baker Heart Research Institute Henry Krum, Alfred Hospital
Plenary Lecture			
16:00	O51	Werner Seeger University of Gießen Germany	<i>Treatment of Pulmonary Hypertension: Bench to Bedside Achieved</i>
16:30	O52	Karl-Heinz Peter Baker Heart Research Institute	<i>Intrinsic Side Effects with Current Ligand-Mimetic GPIIb/IIIa Blockers: Activation-Specific Anti-GPIIb/IIIa Single- Chain Antibodies Generated from Human Antibody Phage Libraries as Potential Alternative?</i>
16:45	O53	Kevin Croft University of Western Australia	<i>Oxidative Stress, Vascular Function and 20-HETE Excretion in Hypertensive Subjects</i>
17:00	O54	Barry McGrath Monash University	<i>Arterial Function in Cardiovascular Disease States</i>
17:15	O55	John Horowitz University of Adelaide	<i>Maintaining Efficacy of Organic Nitrate Therapy: New Opportunities?</i>
17:30	O56	Ian Meredith Monash University	<i>Percutaneous Interventional Therapies for Cardiovascular Disease: A Look into the Future</i>
17:45	O57	Geoffrey Donnan National Stroke Research Institute	<i>Acute Stroke Therapies</i>

Award of AusBio Young Investigator Prizes 18:00-18:15	Chair	David Harrison, Emory University, USA Jan Galle, University of Würzburg Germany
--------------------------------------------------------------------------	--------------	------------------------------------------------------------------------------------------------

End Of Conference