

MONDAY PROGRAM

830 – 1030

MONDAY 26 MARCH 2012

BAYSIDE AUDITORIUM B

Plenary Session 1 – New and Emerging Approaches for Identifying and Treating Cardiovascular Disease

Chairs: Jean-Charles Fruchart (FRANCE), Virgil Brown (USA)

TIME		abstract #
830 – 900	A RARE VIEW OF CODING MUTATIONS AND RISK FOR MYOCARDIAL INFARCTION Sekar Kathiresan (USA)	1
900 – 930	CHEMOKINES AND THEIR RECEPTORS AS THERAPEUTIC TARGETS Christian Weber (GERMANY)	2
930 – 1000	HDL RAISING AGENTS John Kastelein (NETHERLANDS) <i>Proudly sponsored by Merck Sharp & Dohme</i>	3
1000 – 1030	CORONARY ARTERY DISEASE: GENETICS AND GENOMICS Journal of Lipid Research Lectureship <i>This presentation is supported by the Journal of Lipid Research</i> Ruth McPherson (CANADA)	4

Workshop 1 – New Insights into Lipid-Lowering Strategies

Chairs: Brian Tomlinson (HONG KONG), Nabil G. Seidah (CANADA)

TIME		abstract #
1100 – 1130	<p>THE PHYSIOLOGICAL ROLES OF PCSK9 AND ITS TARGETING STRATEGIES FOR LIPID LOWERING</p> <p>Nabil G. Seidah (CANADA), Maryssa Canuel, Delia Susan-Resiga, Luna Grisel, Susanne Benjannet, Josée Hamelin, Marianne Abifadel, Catherine Boileau, Rachid Essalmani, Annik Prat,</p>	5
1130 – 1200	<p>IS PCSK9 A PROMISING THERAPEUTIC TARGET FOR FAMILIAL HYPERCHOLESTEROLEMIA?</p> <p>Giles Lambert (FRANCE), Kerry-Anne Rye, J Burnett, Philip Barter, A Marais</p>	6
1200 – 1215	<p>SLCO1B1 GENE VARIATION AND LOW DENSITY LIPOPROTEIN CHOLESTEROL LOWERING RESPONSE TO PRAVASTATIN</p> <p>Kouji Kajinami (JAPAN), Hironobu Akao, Eliana Polisecki, Michelle Robertson, Ian Ford, J. Wouter Jukema, James Shepherd, Christopher Packard, Brendan Buckley, Ernst Schaefer,</p>	7
1215 – 1230	<p>NIACIN REDUCES ATHEROSCLEROSIS PROGRESSION AND INFLAMMATION ON TOP OF SIMVASTATIN IN APOE*3-LEIDEN.CETP MICE</p> <p>Patrick C.N. Rensen (NETHERLANDS), Susan Kühnast, Mieke C. Louwe, Johannes W.A. Smit, Louis M. Havekes, José W.A. Van der Hoorn, Hans M.G. Princen, J. Wouter Jukema</p>	8
1230 – 1245	<p>NIACIN INHIBITS VASCULAR INFLAMMATION VIA THE INDUCTION OF HEME OXYGENASE-1</p> <p>Ben Wu (AUSTRALIA), Kang Chen, Philip Barter, Kerry-Anne Rye</p>	9
1245 – 1300	<p>A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL TO EVALUATE THE EFFECT OF MIPOMERSEN, AN APOLIPOPROTEIN B-100 SYNTHESIS INHIBITOR, ON LOW DENSITY LIPOPROTEIN CHOLESTEROL IN HIGH-RISK STATIN INTOLERANT PATIENTS WITH HYPERCHOLESTEROLEMIA</p> <p>Maartje Visser (NETHERLANDS), Gilbert Wagener, Brenda Baker, Richard Geary, Joanne Donovan, Ulrich Beuers, Aart Nederveen, Joanne Verhij, John Kastelein, Erik Stroes,</p>	10

Workshop 2 – HDL Therapies in Cardiovascular Disease

Chairs: Bryan Brewer (USA), David Sullivan (AUSTRALIA)

TIME		abstract #
1100 – 1130	HDL INFUSION THERAPY Bryan Brewer (USA)	11
1130 – 1200	METABOLIC CONSEQUENCES OF HDL THERAPIES Bronwyn Kingwell (AUSTRALIA)	12
1200 – 1215	TORCETRAPIB IMPAIRS ENDOTHELIAL FUNCTION IN HYPERTENSION Branko Simic (SWITZERLAND), Matthias Hermann, Sidney Shaw, Laurent Bigler, Urs Stalder, Carola Dörries, Christian Besler, Thomas F. Lüscher, Frank Ruschitzka	13
1215 – 1230	HDL-BASED THERAPY REDUCES THE COMPLICATIONS ASSOCIATED WITH TISSUE PLASMINOGEN ACTIVATOR TREATMENT IN EXPERIMENTAL STROKE Olivier Meilhac (FRANCE), Bertrand Lapergue, Bao Quoc Dang, Jean-Philippe Desilles, Sandrine Delbosc, Liliane Louedec, Pierre-Olivier Couraud, Mikael Mazighi, Jean-Baptiste Michel, Pierre Amarenco,	14
1230 – 1245	SPECIFIC PENETRATION AND ACCUMULATION OF A NOVEL APOA-I MIMETIC PEPTIDE, 68GA-DOTA-FAMP, WITHIN ATHEROSCLEROTIC LESIONS Emi Kawachi (JAPAN), Yoshinari Uehara, Koki Hasegawa, Eiji Yahiro, Kosuke Oniki, Tsuneo Yano, Yasuyoshi Watanabe, Shin-ichiro Miura, Keijiro Saku	15
1245 – 1300	EFFECT OF DALCETRAPIB, A CETP MODULATOR, ON NON-CHOLESTEROL STEROL MARKERS OF CHOLESTEROL HOMEOSTASIS IN HAMSTERS AND HEALTHY SUBJECTS David Kallend (SWITZERLAND), Eric J Niesor, Evelyne Chaput, Andreas Staempfli, Denise Blum, Michael Derks	16

Workshop 3 – Macrophages and Atherosclerosis

Chairs: Martha Cathcart (USA), Mary Kavurma (AUSTRALIA)

TIME		abstract #
1100 – 1130	INVOLVEMENT OF THE PATTERN RECOGNITION RECEPTOR DECTIN-1 IN ATHEROSCLEROTIC LESION FORMATION Martha Cathcart (USA), Praveena S. Thiagarajan, Valentin P. Yakubenko, Deena H. ElSORI, Satya P. Yadav, Belinda Willard, Carmela D. Tan, Rene Rodriguez	17
1130 – 1200	REDEFINING THE ROLE OF MACROPHAGES IN ATHEROSCLEROSIS Heather Medbury (AUSTRALIA)	18
1200 – 1215	CELLULAR MECHANISMS AND REGULATION OF MACROPHAGE CHOLESTEROL METABOLISM BY HIV PROTEIN NEF Huanhuan Leah Cui (AUSTRALIA), Angela Grant, Nigora Mukhamedova, Tatiana Pushkarsky, Lucas Jennelle, Larisa Dubrovsky, Katharina Gaus Gaus, Michael Fitzgerald, Dmitri Sviridov, Michael Bukrinsky,	19
1215 – 1230	PERTURBATION OF LYSOSOMAL FUNCTION IN MACROPHAGES EXPOSED TO ELEVATED GLUCOSE CONCENTRATIONS: POTENTIAL ROLE IN DIABETES-ASSOCIATED ATHEROSCLEROSIS. Christine (Hyun Jin) Kim (AUSTRALIA), David van Reyk, Michael Davies	20

Workshop 4 – Management of Abdominal Aortic Aneurysms and Atherosclerosis

Chairs: Alan Daugherty (USA), Karlheinz Peter (AUSTRALIA)

TIME		abstract #
1100 – 1130	ANGIOTENSIN II IS A CRITICAL MEDIATOR OF AORTIC ANEURYSMS Alan Daugherty (USA), Lisa A. Cassis, Debra L. Rateri	21
1130 – 1200	ABDOMINAL AORTIC ANEURYSM PATHOLOGY AS RELEVANT TO IMPROVING CLINICAL MANAGEMENT Jonathan Golledge (AUSTRALIA), Erik Biro, Paula Clancy, Corey Moran, Joseph Moxon, Phil Walker, Paul Norman	22
1200 – 1215	MICRORNAS -21 AND -29B REGULATE ABDOMINAL AORTIC ANEURYSM EXPANSION Philip Tsao (UNITED STATES OF AMERICA), Lars Maegdefessel, Junya Azuma, Ryuji Toh, Denis Merk, Alicia Deng, Azad Raiesdana, Nicholas Leeper, Ronald Dalman, Joshua Spin,	23
1215 – 1230	TOBACCO SMOKING AND AORTIC ANEURYSM: TWO POPULATION-BASED STUDIES Børge G Nordestgaard (DENMARK), Birgitte F Sode, Morten Grønbaek, Morten Dahl	24
1230 – 1245	HYPERHOMOCYSTEINEMIA EXAGGERATES ADVENTITIAL INFLAMMATION AND ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSM FORMATION IN MICE Wei Kong (CHINA, PEOPLE'S REPUBLIC OF), Wei Kong	25
1245 – 1300	PLASMONIC PHOTOTHERMAL THERAPY VERSUS FERROMAGNETIC APPROACH FOR THE MANAGEMENT OF ATHEROSCLEROSIS Alexander Kharlamov (RUSSIA), Alexander Perrish, Jan Gabinsky, Eugene Ivanova	26

Workshop 5 – Angiogenesis and Endothelial Progenitor Cells

Chairs: Seppo Yla-Herttuala (FINLAND), Christina Bursill (AUSTRALIA)

TIME		abstract #
1100 – 1130	EPIGENETIC CONTROL OF CARDIAC ANGIOGENESIS Seppo Yla-Herttuala (FINLAND)	27
1130 – 1200	THE ROLE OF ANDROGENS IN ANGIOGENESIS AND CARDIOVASCULAR REGENERATION Martin Ng (AUSTRALIA)	28
1200 – 1215	MULTIFUNCTIONAL REGULATION OF ANGIOGENESIS BY HIGH DENSITY LIPOPROTEINS. Hamish Prosser (AUSTRALIA), Joanne Tan, Laura Vanags, Martin Ng, Christina Bursill	29
1215 – 1230	SYSTEMIC VEGF INHIBITION ACCELERATES EXPERIMENTAL ATHEROSCLEROSIS AND DISRUPTS ENOS-MEDIATED ENDOTHELIAL HOMEOSTASIS Stephan Winnik (SWITZERLAND), Christine Lohmann, Giovanni Siciliani, Tobias von Lukovicz, Kira Kuschnerus, Thomas F Lüscher, Christian M Matter	30
1230 – 1245	ENDOTHELIAL PROGENITOR CELL (EPC) DIFFERENTIATION AND FUNCTION IS REGULATED BY THE ANTIMICROBIAL PEPTIDE LL-37 (CAMP). Ingo Ahrens (GERMANY), Helena Domeij, Denijal Topcic, Izhak Haviv, Alex Agrotis, Ephraem Leitner, Jeremy Jowett, Martha Lappas, Christoph Bode, Karlheinz Peter,	31
1245 – 1300	CORRELATION BETWEEN CIRCULATING ANGIOGENIC CELL MOBILIZATIONS AND RECOVERY OF CORONARY FLOW RESERVE IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION Hansaem Jeong (KOREA, SOUTH), Soon Jun Hong, Jae Hyung Park, Jong Ho Kim, SeungCheol Choi, Chul Min Ahn, Jae Sang Kim, Do-Sun Lim	32

Workshop 6 – A Systems Biology Approach to Atherosclerosis

Chairs: **Stefan Blankenberg** (GERMANY), **Peter Meikle** (AUSTRALIA)

TIME		abstract #
1100 – 1130	BIOMARKERS AND CARDIOVASCULAR RISK Stefan Blankenberg (GERMANY)	33
1130 – 1200	PLASMA LIPID PROFILING FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE Peter Meikle (AUSTRALIA)	34
1200 – 1215	THE TISSUE RENIN-ANGIOTENSIN SYSTEM AND THE CORTICOID METABOLISM ARE ASSOCIATED AT THE MRNA LEVEL IN HUMAN CAROTID ATHEROSCLEROSIS: A SYSTEMS BIOLOGY APPROACH Catherine Cerutti (FRANCE), Salomé Barrot, Marie-Paule Gustin, HanĀne Ayari, Christian Paultre, Jacques Randon, Patrick Feugier, Liliana Legedz, Giampiero Bricca	35
1215 – 1230	MECHANISMS UNDERLYING THE ROLE OF LR11/SORLA AS NOVEL BIOMARKER FOR IMT Wolfgang J Schneider (AUSTRIA), Hideaki Bujo, Meizi Jiang, Kenji Ohwaki, Yasushi Saito	36
1230 – 1245	URINE PROTEOME ANALYSIS REFLECTS ATHEROSCLEROTIC DISEASE IN AN APOE-/- MOUSE MODEL AND ALLOWS THE DISCOVERY OF NEW BIOMARKERS IN MOUSE AND HUMAN ATHEROSCLEROSIS Yung-Chih Chen (AUSTRALIA), Constantin Von Zur Muhlen, Eric Schiffer, Christine Sackmann, Petra Zarbig, Harald Mischak, Christoph Bode, Karlheinz Peter	37

1320 – 1500

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BAYSIDE AUDITORIUM B

IAS-EAS Joint Symposium: The Vulnerable Plaque

Chairs: Alberico Catapano (ITALY), Virgil Brown (USA)

TIME		abstract #
1320 – 1340	MAST CELLS AND PLAQUE DESTABILIZATION Petri Kovanen (FINLAND)	38
1340 – 1400	NEW MODALITIES IN PLAQUE IMAGING Karlheinz Peter (AUSTRALIA)	39
1400 – 1420	ESC 2011 CONSENSUS PAPER ON VULNERABLE PLAQUE Seppo Yla-Herttuala (FINLAND)	40
1420 – 1440	THE VULNERABLE PLAQUE – A GLOBAL APPROACH TO REDUCE CARDIOVASCULAR RISK Kausik Ray (United Kingdom)	41
1440 – 1500	DISCUSSION	

1330 – 1500

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BAYSIDE 103

A South American Showcase

Chairs: Ada Cuevas (CHILE), Raul Santos (BRAZIL)

TIME		abstract #
1330 – 1350	TITLETBA Rodrigo Alonso (SPAIN)	42
1350 – 1410	CRP AND INFLAMMATION Alberto Lorenzatti (ARGENTINA)	43
1410 – 1430	METABOLIC SYNDROME: A GROWING PROBLEM IN LATINAMERICA Ada Cuevas (CHILE)	44
1430 – 1450	SUBCLINICAL ATHEROSCLEROSIS IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA Raul Santos (BRAZIL)	45
1450 – 1500	DISCUSSION	

Roche Symposium: *InFocus: Understanding the Emerging HDL Landscape*

Chairs: Andrew Tonkin (AUSTRALIA) and John Kastelein (THE NETHERLANDS)

TIME		abstract #
1330 – 1400	LOOKING BEYOND LDL-C: TREATING CARDIOVASCULAR DISEASE IN 2012 Kees Hovingh (NETHERLANDS)	46
1400 – 1430	BIOLOGICAL ACTIVITIES OF HDL: POTENTIAL IMPACT ON ATHEROSCLEROSIS John Chapman (FRANCE)	47
1430 – 1500	HDL RAISING AND ATHEROSCLEROSIS: WHAT IS THE EVIDENCE AND CAN WE DO BETTER? Lawrence Leiter (CANADA)	48

This symposium examines the emerging evidence of the complex relationship between HDL and CV risk: it will review current HDL-raising strategies, and discuss the potential of novel HDL-modifying therapies, as well as the impact of HDL functionality on HDL's atheroprotective benefits.

Abbott Symposium – Going beyond current standards of care in patients with type 2 diabetes

Chairs: Richard O'Brien (AUSTRALIA)

TIME		abstract #
1330 – 1400	ARE STATINS ENOUGH? Anthony Keech (AUSTRALIA)	49
1400 – 1430	REAL CLINICAL PATHWAYS FOR PATIENTS Richard O'Brien (AUSTRALIA)	50
1430 – 1500	TARGETING RESIDUAL VASCULAR RISK Alberto Zambon (ITALY)	51

Join our renowned experts, Professors Anthony Keech, Richard O'Brien and Alberto Zambon as they discuss the merits of going beyond the current standards of care in type 2 diabetes patients to address residual vascular risk and the real clinical pathways for these high risk patients.

1330 – 1500

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BAYSIDE 102

Asia-Pacific Regional Guidelines

Chairs: **Philip Ding** (TAIWAN) and **Rody Sy** (PHILIPPINES)

TIME		abstract #
1330 – 1400	DO WE NEED DYSLIPIDEMIA GUIDELINES IN THE ASIA-PACIFIC REGION? Philip Ding (TAIWAN)	52
1400 – 1430	LIPID MANAGEMENT GUIDELINES IN JAPAN Koutaro Yokote (JAPAN)	53
1430 – 1500	LIPID MANAGEMENT GUIDELINES IN KOREA Jidong Sung (KOREA, SOUTH)	54

1330 – 1500

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BAYSIDE AUDITORIUM A

Novartis Symposium: Targeting Inflammation for the Treatment of Atherosclerosis

TIME	
1330 – 1500	Peter Libby (USA) Inflammation participates in all phases of atherosclerosis from initiation through progression and ultimately the thrombotic complications that cause the most dreaded manifestations of this common disease. Therefore, targeting inflammation might provide a therapeutic opportunity to modify atherosclerosis and mollify its outcomes.

1300 – 1400

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THEATRETTE 1

Mini Oral Session A – DiabetesChair: **Mary Kavurma** (AUSTRALIA)

TIME		abstract #
1300 – 1308	BILE ACID SEQUESTANT COLESTILAN IMPROVES PERIPHERAL INSULIN SENSITIVITY BY INCREASING FATTY ACID FLUX FROM FAT TISSUE TO BILIARY LIPIDS IN HIGH-FAT FED APOE*3-LEIDEN MICE José Van Der Hoorn (NETHERLANDS), Kanami Sugimoto-Kawabata, Hiroshi Shimada, Kaoru Sakai, Kazuo Suzuki, Elsbet Pieterman, Louis H. Cohen, Hans M.G. Princen, Louis M. Havekes, Anita M. van den Hoek	55
1308 – 1316	HYPERSECRETION OF GASTRIC INHIBITORY POLYPEPTIDE IS ASSOCIATED WITH CARDIOMETABOLIC DISORDER AND ATHEROSCLEROSIS INDEPENDENT OF GLUCOSE IN HUMANS Yasunori Takata (JAPAN), Jun-ichi Funada, Go Hiasa, Yuji Matsumoto, Hideki Okayama, Haruhiko Osawa	56
1316 – 1324	IMPORTANCE OF THE HDL CONTROL UNDER TREATMENT OF PRAVASTATIN IN HYPERCHOLESTEROLEMIC JAPANESE WITH TYPE2 DIABETES MELLITUS Rimei Nishimura (JAPAN), Tomoko Nakagami, Hirohito Sone, Yasuo Ohashi, Naoko Tajima	57
1324 – 1332	TRAIL PROTECTS AGAINST DIABETES AND ATHEROSCLEROSIS IN APOE-/- MICE Mary Kavurma (AUSTRALIA), Belinda Di Bartolo, Jeffrey Chan, Martin Bennett, Sian Cartland, Shisan Bao, Bernard Tuch	58

1300 – 1400

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THEATRETTE 2

Mini Oral Session B – Familial HypercholesterolaemiaChair: **Frank Van Bockxmeer** (AUSTRALIA)

TIME		abstract #
1300 – 1308	AGE-RELATED FEATURES OF CAROTID ATHEROSCLEROSIS IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA Aleksey Meshkov (RISSOA), Aleksandra Ershova, Tatiyana Rozhkova, Anatoliy Rogoza, Tatiyana Balakhonova, Sergey Boitsov	59
1308 – 1316	AUGMENTED ATHEROGENESIS IN LDL RECEPTOR DEFICIENT MICE LACKING BOTH MACROPHAGE ABCA1 AND APOE Bart Lammers (NETHERLANDS), Menno Hoekstra, Reeni Hildebrand, Dan Ye, Illiana Meurs, Ying Zhao, Theo Van Berkel, Miranda Van Eck	60
1316 – 1324	CLINICAL CHARACTERISTICS OF FH SUBJECTS WITH EARLY ONSET OF CHD Henriette Lindvig (NORWAY), Kirsten B. Holven, Marit S. Nenseter, Gisle Langslet, Leiv Ose, Kjetil Retterstø	61

1324 – 1332	FAMILIAL HYPERCHOLESTEROLAEMIA MUTATION TESTING IN WESTERN AUSTRALIA Amanda Hooper (AUSTRALIA), Lan Nguyen, John Burnett, Timothy Bates, Gerald Watts, Frank van Bockxmeer	62
1332 – 1340	GENETIC ANALYSIS OF FAMILIAL HYPERCHOLESTEROLEMIA Maiko Harada-Shiba (JAPAN), Naotaka Ohta, Hisashi Makino, Yoshihiro Miyamoto, Noriyuki Iwamoto, Ichiro Kishimoto, Hitonobu Tomoike	63
1340 – 1348	HYPERPROLACTINEMIA IN LDL RECEPTOR KNOCKOUT MICE IS ASSOCIATED WITH A PRO-ATHEROGENIC METABOLIC PHENOTYPE, BUT NOT WITH INCREASED ATHEROSCLEROSIS. Anne Reuwer (NETHERLANDS), Ronald van der Sluis, Zhaosha Li, Vincent Goffin, John Kastelein, Marcel Twickler, Theo Van Berkel, Menno Hoekstra	64

1300 – 1400

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THEATRETTE 3

Mini Oral Session C – HDL

Chair: **Fatiha Tabet** (AUSTRALIA)

TIME		abstract #
1300 – 1308	HEPATIC ATP-BINDING CASSETTE TRANSPORTER A1 POSITIVELY CONTRIBUTES TO REVERSE CHOLESTEROL TRANSPORT IN VIVO Emi Yakushiji (JAPAN), Makoto Ayaori, Shunichi Takiguchi, Maki Iizuka, Makoto Sasaki, Harumi Uto-Kondo, Tetsuya Hisada, Sumiko Abe-Dohmae, Shinji Yokoyama, Katsunori Ikekawa,	65
1308 – 1316	HDL BIOGENESIS IS REGULATED BY THE LOW LIPID AFFINITY OF APO LIPOPROTEIN A-IV Kate Shearston (AUSTRALIA), Philip Barter, Mi-jung Kim, Alan Remaley, Wendy Jessup, Kerry-Anne Rye	66
1316 – 1324	NIACIN EXTENDED-RELEASE AND FENOFIBRATE IMPROVE HDL ABILITY TO PRESERVE ENDOTHELIAL CELL HOMEOSTASIS: RESULTS FROM THE HIFUN STUDY Monica Gomasaschi (ITALY), Silvia Pozzi, Karine Coutant, Simona Rossomano, Francois Lamour, Renee Benghozi, Guido Franceschini, Laura Calabresi	67
1324 – 1332	NIACIN REDUCES THE FRACTIONAL CATABOLIC RATE OF HDL APOA-I IN STATIN-TREATED TYPE 2 DIABETIC MEN Jing Pang (AUSTRALIA), Vijay Tenneti, Dick Chan, Gerald F Watts, Hugh Barrett	68
1332 – 1340	THE EFFECT OF LCAT MUTATIONS AND CTA IN THE BIOGENESIS OF HDL Panagiotis Fotakis (USA), Jan Kuivenhoven, Vasilis Zannis, Dimitris Kardassis	69

Mini Oral Session D – Imaging

Chair: Christoph Hagemeyer (AUSTRALIA)

TIME		abstract #
1300 – 1308	<p>ABNORMAL METABOLIC PARAMETERS ARE ASSOCIATED WITH VH-IVUS DERIVED AMOUNT OF NECROTIC CORE IN ATHEROMA IN PATIENTS WITH CORONARY ARTERY DISEASE.</p> <p>Seung Hwan Han (KOREA, SOUTH), Yae Min Park, Kyoungsoon Lee, Woong Chol Kang, Kwang Kon Koh, Tae Hoon Ahn, Eak Kyun Shin</p>	70
1308 – 1316	<p>ASSOCIATIONS BETWEEN MIDLIFE RISK FACTORS AND MYOCARDIAL INFARCTION IN LATE LIFE ARE ATTENUATED FOR SILENT INFARCTS</p> <p>Vilmundur Gudnason (ICELAND), Thor Aspelund</p>	71
1316 – 1324	<p>IMAGING OF ADVANCED ATHEROSCLEROTIC PLAQUE BY HIGH RESOLUTION, MULTI-ENERGY X RAY COMPUTER TOMOGRAPHY: IDENTIFICATION OF IRON AND CALCIUM DEPOSITION.</p> <p>Steven Giesege (NEW ZEALAND), Rafidah Zainon, Nicola Scott, Tejraj Janmale, Justin Roake, Anthony Butler, Philip Butler</p>	72
1324 – 1332	<p>INCREASED AGE, BODY MASS INDEX AND LOW HDL-C LEVELS RELATE TO AN ECHOLUCENT STRUCTURE OF THE CAROTID INTIMA-MEDIA THICKNESS: THE METEOR STUDY</p> <p>Sanne Peters (NETHERLANDS), Lars Lind, Hester M. den Ruijter, Mike K. Palmer, Diederick E. Grobbee, John R. Crouse III, Daniel H. O'Leary, Gregory W. Evans, Joel S. Raichlen, Michiel L. Bots,</p>	73
1332 – 1340	<p>INCREASING SPATIAL RESOLUTION IMPROVES REPRODUCIBILITY OF CAROTID MRI DIMENSIONS MEASUREMENTS</p> <p>Diederik Van wyk (NETHERLANDS), Aart Strang, Raphael Duivenvoorden, Dirk-Jan Enklaar, Rob van der Geest, John Kastelein, Eric de Groot, Erik Stroes, Aart Nederveen</p>	74
1340 – 1348	<p>PET IMAGING OF ATHEROSCLEROTIC PLAQUE USING WITH NEWLY DEVELOPED APO A-I MIMETIC PEPTIDE (FAMP)</p> <p>Eiji Yahiro (JAPAN), Yoshinari Uehara, Koki Hasegawa, Emi Kawachi, Shin-ichiro Miura, Tsuneo Yano, Yasuyoshi Waanabe, Keijiro Saku</p>	75

Workshop 7 – Recent Progress in Lipid-Lowering Strategies/ Atherosclerosis and Ageing

Chairs: Antonio Gotto (USA), Leon Simons (AUSTRALIA)

TIME		abstract #
1530 – 1600	RECENT ADVANCES IN MTP INHIBITION Antonio Gotto (USA)	76
1600 – 1630	THE CHALLENGE OF POOR PERSISTENCE WITH LIPID THERAPY Leon Simons (AUSTRALIA)	77
1630 – 1645	EARLY DETECTION OF TREATMENT EFFECTS OF A STATIN ON ATHEROSCLEROTIC PLAQUE INFLAMMATION USING FDG-PET IMAGING Sudha Shankar (USA), Achilles Alon, Robin Mogg, Zahi Fayad, Hayes Dansky, Michael Klimas, Gary Herman, Chan Beals, Ahmed Tawakol	78
1645 – 1700	IMPACT OF PIOGLITAZONE ON CORONARY ATHEROSCLEROSIS IN PATIENTS WITH NON- AND EARLY-DIABETES: A PROSPECTIVE RANDOMIZED STUDY WITH INTRAVASCULAR ULTRASOUND Nobuyuki Komiyama (JAPAN), Toshihiko Kikutani, Tomomi Koizumi, Shigeyuki Nishimura	79
1700 – 1715	PLASMA PCSK9 LEVELS AND CLINICAL OUTCOMES IN THE TREATING TO NEW TARGETS TRIAL: A NESTED CASE-CONTROL STUDY Gilles Lambert (FRANCE), Roeland Huijgen, Benoit Arsenault, Matthijs Boekholdt, Weihang Bao, David DeMicco, Philip Barter, Kerry Anne Rye, John Kastelein	80

Workshop 8 – Immune Aspects of Cardiovascular Disease

Chairs: Petri Kovanen (FINLAND), Alex Bobik (AUSTRALIA)

TIME		abstract #
1530 – 1600	NEW INSIGHTS INTO MAST CELL ACTIVATION AND EFFECTOR FUNCTIONS IN ATHEROGENESIS Petri Kovanen (FINLAND)	81
1600 – 1615	<i>Young Investigator Oral Finalist:</i> A NOVEL ULTRAVIOLET-BASED PHOTOTHERAPY AGAINST ATHEROSCLEROSIS TARGETING REGULATORY T CELLS AND SKIN DENDRITIC CELLS Naoto Sasaki (JAPAN), Tomoya Yamashita, Kenji Nakajima, Tomoyuki Kita, Kazuyuki Kasahara, Masafumi Takeda, Ken-ichi Hirata	82
1615 – 1630	ANTI-INFLAMMATORY EFFECT OF ANGIOTENSIN-(1-7) AGONIST (AVE0991) AT EARLY STAGES OF ATHEROSCLEROSIS – EFFECTS ON PERIVASCULAR T CELL INFILTRATION. Dominik Skiba (POLAND), Ryszard Nosalski, Tomasz Mikolajczyk, Agnieszka Sagan, Rafal Olszanecki, Jacek Jawien, Ryszard Korbut, Tomasz J. Guzik	83
1630 – 1645	MACROPHAGE FCG RECEPTOR DEFICIENCY LIMITS INFLAMMATORY RESPONSE AND ATHEROSCLEROTIC PLAQUE PROGRESSION IN MICE. Benat Mallavia (SPAIN), Lopez-Franco Oscar, Ortiz-Munoz Guadalupe, Lopez-Parra Virginia, Oguiza Ainhoa, Recio Carlota, Egido Jesus, Gomez-Guerrero Carmen	84
1645 – 1700	GROUP I ANTI-PHOSPHORYLCHOLINE ANTIBODIES, PARTICULARLY OF THE IGM CLASS PROTECT IMMUNE CELLS FROM CYTOTOXIC LYOPHOSPHATIDYLCHOLINE AND GIVE REMARKABLY PRECISE PREDICTIONS ON ATHEROSCLEROSIS PROGRESSION. Johan Frostegard (SWEDEN), Roland Fiskesund, Max Vikstrom, Ulf de Faire	85
1700 – 1715	INHIBITION OF STREPTOCOCCAL CELL WALL PEPTIDOGLYCAN-POLYSACCHARIDE INDUCED TOLL-LIKE RECEPTOR EXPRESSION BY HIGH-DENSITY LIPOPROTEINS Kwok Leung Ong (AUSTRALIA), Ben J Wu, Kang Chen, Philip J Barter, Kerry-Anne Rye	86

Workshop 9 – Cardiovascular Disease Prevention: An Update

Chairs: Alberico Catapano (ITALY), Heiner Gretan (GERMANY)

TIME		abstract #
1530 – 1600	<p>DESIGN AND MECHANISM OF ACTION OF SYNTHETIC APOLIPOPROTEIN MIMETIC PEPTIDES FOR PROMOTING CHOLESTEROL EFFLUX AND OTHER ANTI-ATHEROGENIC FUNCTIONS</p> <p>Alan Remaley (USA), Dmitri Sviridov, Scott Turner, Marcelo Amar, Willissa D'Souza, Denis O Sviridov, John Stonik</p>	87
1600 – 1630	<p>RECENT DEVELOPMENTS RELATING TO THERAPEUTIC APPROACHES FOR TREATING DYSLIPIDEMIAS</p> <p>Alberico Catapano (ITALY)</p>	88
1630 – 1645	<p><i>Young Investigator Oral Finalist:</i></p> <p>KNOCKOUT OF USF1 REDUCES ATHEROSCLEROSIS AND LEADS TO A FAVORABLE METABOLIC PHENOTYPE IN MICE</p> <p>Laurila Pirkka-Pekka (FINLAND), Jarkko Soronen, Essi Kaiharju, Sjoerd Van Den Berg, Claudia Coomans, Patrick C. N. Rensen, Christian Ehnholm, Vesa M. Olkkonen, Leena Peltonen, Matti Jauhiainen,</p>	89
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TUESDAY PROGRAM

830 – 1030

TUESDAY 27 MARCH 2012

BAYSIDE AUDITORIUM B

Plenary Session 2 – Population Studies and Clinical Trials in Atherosclerosis

Chairs: Yuji Matsuzawa (JAPAN), Antonio Gotto (USA)

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830 – 900	MANAGEMENT OF CARDIOVASCULAR DISEASE IN DEVELOPING COUNTRIES Anthony Keech (AUSTRALIA)	261
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930 – 1000	BIOMARKERS AND CVD RISK Peter Libby (USA)	263
1000 – 1030	Antonio M. Gotto, Jr. Award Presentation <i>Supported by Weill Cornell Medical College and the International Atherosclerosis Society</i>	

The award will be presented to an individual who has made outstanding scientific, medical, or organizational advancements in our ability to understand the causes and the development of atherosclerosis. The aim of the Prize is to encourage basic, clinical, and translational research in areas relating to the causes, prevention, and treatment of cardiovascular disease globally by being awarded to an individual who has achieved these goals and continues to work towards that end.

TUESDAY 27 MARCH 2012

Workshop 13 – Insight into Apolipoprotein Functionality

Chairs: Gordon Francis (CANADA), Leonard Kritharides (AUSTRALIA)

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1100 – 1130	APOE INTERACTION WITH CAVEOLIN 1 REGULATES DIFFERENTIATED CELL FUNCTION OF ADIPOCYTES AND ENDOTHELIAL CELLS Theodore Mazzone (USA)	264
1130 – 1200	REGULATION OF APOLIPOPROTEIN E SECRETION Leonard Kritharides (AUSTRALIA)	265
1200 – 1215	DIRECT MODIFICATION OF APOLIPOPROTEIN A-I BY HUMAN MONOCYTE DERIVED MACROPHAGES RESULTS IN CLEAVED APOA-I WITH IMPAIRED CHOLESTEROL EFFLUX CAPACITY Donna Lee Dinnes (AUSTRALIA), Melanie White, Maaike Kockx, Victar Hsieh, Kathleen Huang, Stuart Cordwell, Kerry-Anne Rye, Wendy Jessup, Leonard Kritharides	266
1215 – 1230	CLASSICAL PROTEIN KINASE C ISOFORMS REGULATE BASAL APOLIPOPROTEIN E SECRETION IN PRIMARY HUMAN MACROPHAGES IN A POST-GOLGI VESICULAR COMPARTMENT Denuja Karunakaran (AUSTRALIA), Maaike Kockx, Dylan Owen, Wendy Jessup, Leonard Kritharides	267
1230 – 1245	APOLIPOPROTEIN (APO) A-I INCREASE GLUCOSE UPTAKE INTO SKELETAL MUSCLE BY ACTIVATING PI3K PATHWAY Shudi Tang (AUSTRALIA), Philip Barter, Kerry-Anne Rye	268
1245 – 1300	RAB2A REGULATES THE INTRACELLULAR TRANSPORT AND GLYCOFORM-SPECIFIC SECRETION OF APOLIPOPROTEIN E Donna Lee Dinnes (AUSTRALIA), Maaike Kockx, Wendy Jessup, Leonard Kritharides	269

Workshop 14 – Cholesterol Transport

Chairs: **Laura Calabresi** (ITALY), **Andrew Brown** (AUSTRALIA)

TIME		abstract #
1100 – 1130	TICE, A NOVEL PATHWAY FOR WHOLE BODY CHOLESTEROL SECRETION Albert Groen (NETHERLANDS), Lily Jakulj, Theo Van Dijk, Gemma Brufau-Dones, Erik S Stroes	270
1130 – 1200	CHOLESTEROL TRANSPORT AND LCAT DEFICIENCY Laura Calabresi (ITALY)	271
1200 – 1215	SOY PROTEIN- AND FIBER-CONTAINING DIETS REDUCE INTESTINAL UPTAKE OF NEUTRAL STEROLS AND INHIBIT VLDL-CHOLESTEROL SECRETION IN APOE*3-LEIDENTRANGENIC MICE José Van Der Hoorn (NETHERLANDS), Susan Kühnast, Maaïke K. Hofman, Wim van Duyvenvoorden, Martine Groenendijk, Sabine M. Post, Hans M.G. Princen	272
1215 – 1230	LDLR PROMOTES AND PCSK9 INHIBITS LDL-DERIVED TRANSINTESTINAL CHOLESTEROL EXCRETION Philippe Costet (FRANCE), Cedric Le May, Jean Mathieu Berger, Bruno Pillot, Xavier Prieur, Emmanuel Letessier, Bertrand Cariou	273
1230 – 1245	<i>Young Investigator Oral Finalist:</i> TRANS-INTESTINAL CHOLESTEROL EXCRETION CONTRIBUTES SUBSTANTIALLY TO FECAL STEROL ELIMINATION IN HUMANS Lily Jakulj (NETHERLANDS), Theo van Dijk, Theo Boer, Renze Boverhof, Frans Stellaard, Erik Stroes, Albert Groen	274
1245 – 1300	LOW LEVELS OF CETP, ISCHEMIC VASCULAR DISEASE, AND MORTALITY IN THE GENERAL POPULATION. Anne Tybjaerg-Hansen (DENMARK), Trine Holm Johannsen, Ruth Frikke-Schmidt, Jesper Schou, Birgit Agerholm-Larsen, Børge G Nordestgaard	275

Workshop 15 – Adipose Tissue, Adipokines and Cardiovascular Disease

Chairs: Yuji Matsuzawa (JAPAN), Mark Febbraio (AUSTRALIA)

TIME		abstract #
1100 – 1130	ADIPONECTIN AND METABOLIC SYNDROME Yuji Matsuzawa (JAPAN)	761
1130 – 1200	BIOLOGY OF ADIPOSE TISSUE John Prins (AUSTRALIA)	762
1200 – 1215	IS ADIPONECTIN SIGNALLING ASSOCIATED WITH SUBCLINICAL CARDIOVASCULAR DISEASE IN THE DIABETES HEART STUDY? Amanda Cox (UNITED STATES OF AMERICA), John, Lambird Sandy, An Jeffrey, Carr Barry, Freedman Donald, Bowden	763
1215 – 1230	ADIPONECTIN INHIBITS MACROPHAGE TISSUE FACTOR, A KEY TRIGGER OF THROMBOSIS IN DISRUPTED ATHEROSCLEROTIC PLAQUES Yoshihisa Okamoto (JAPAN), So Ishii, Kevin Croce, Harumi Katsumata, Makoto Fukushima, Shinji Kihara, Peter Libby, Shiro Minami	764
1230 – 1245	GENETIC DEFICIENCY OF CD40L ATTENUATES DIET-INDUCED ADIPOSE TISSUE INFLAMMATION – BUT DOES NOT PROTECT FROM INSULIN RESISTANCE AND HEPATIC STEATOSIS IN MICE. Andreas Zirlík (GERMANY), Dennis Wolf, Felix Jehle, Ingo Hilgendorf, Peter Stachon, Christoph Binder, Christoph Bode, Karlheinz Peter	765
1245 – 1300	CASPASE-1 DEFICIENCY PROTECTS AGAINST OBESITY BY REDUCING THE FLUX OF TRIGLYCERIDES FROM THE INTESTINE AND LIVER TOWARDS ADIPOSE TISSUE Patrick C.N. Rensen (NETHERLANDS), Janna A. Van Diepen, Rinke Stienstra, Irene O.C.M. Vroegrijk, Sjoerd A.A. Van den Berg, Cees J. Tack, Mihai G. Netea, Ko W. Van Dijk, Johannes A. Romijn, Louis M. Havekes	766

Workshop 16 – Oxidative Stress in Atherosclerosis

Chairs: Anthony Kettle (NEW ZEALAND), Roland Stocker (AUSTRALIA)

TIME		abstract #
1100 – 1130	INTERACTIONS OF URATE AND MYELOPEROXIDASE IN CARDIOVASCULAR DISEASE Anthony Kettle (NEW ZEALAND)	282
1130 – 1200	MYELOPEROXIDASE AND THIOCYANATE: A POTENTIAL SMOKING GUN IN ATHEROSCLEROSIS? Mike Davies (AUSTRALIA)	283
1200 – 1215	PHARMACOLOGICAL INHIBITION OF NAD(P)H DERIVED OXIDATIVE STRESS AMELIORATES ATHEROSCLEROSIS DEVELOPMENT THROUGH SUPPRESSION OF PRO-INFLAMMATORY AND PRO-FIBROTIC PATHWAYS. Stephen Gray (AUSTRALIA), Elyse Di Marco, David Barit, Patrick Page, Cedric Szyndralewicz, Freddy Heitz, Mark Cooper, Kirstin Wingler, Harald Schmidt, Karin Jandeleit-Dahm	284
1215 – 1230	HSP90 INHIBITION BY 17-DMAG ATTENUATES OXIDATIVE STRESS IN EXPERIMENTAL ATHEROSCLEROSIS Julio Madrigal-Matute (SPAIN), Carmen Gómez-Guerrero, Luis Miguel Blanco-Colio, Priscila Ramos-Mozo, Óscar López-Franco, Begoña Muñoz-García, Jesús Egido, Jose Luis Martín-Ventura	285
1230 – 1245	INTERACTION OF MYELOPEROXIDASE-DERIVED OXIDANTS WITH THE NADPH /THIOREDOXIN REDUCTASE /THIOREDOXIN SYSTEM: POTENTIAL PROTECTION OF CELLS AGAINST BIOLOGICALLY DAMAGING OXIDANTS. Aldwin Suryo Rahmanto (AUSTRALIA), Michael Davies	286
1245 – 1300	B1A B LYMPHOCYTES ARE PROTECTIVE AGAINST ATHEROSCLEROSIS DEVELOPMENT BY REDUCING LESION NECROTIC CORES, OXIDIZED LDL AND APOPTOTIC CELLS VIA SECRETED NATURAL ANTIBODIES Tin Kyaw (AUSTRALIA), Surendran Krishnamurthi, Christopher Tay, Peter Kanellakis, Peter Tipping, Alex Bobik, Ban-Hock Toh	287

Workshop 17 – Biology of ABC Transporters

Chairs: Shinji Yokoyama (JAPAN), Wendy Jessup (AUSTRALIA)

TIME		abstract #
1100 – 1130	<p>CALPAIN-MEDIATED ABCA1 DEGRADATION: POST-TRANSLATIONAL REGULATION OF ABCA1 FOR HDL BIOGENESIS. Shinji Yokoyama (JAPAN), Reijiro Arakawa, Cheng-Ai Wu, Noriyuki Iwamoto, Rui Lu, Maki Tsujita, Sumiko Abe- Dohmae</p>	288
1130 – 1200	<p>REGULATION OF MACROPHAGE CHOLESTEROL TRANSPORT BY ABCA1 AND ABCG1 Wendy Jessup (AUSTRALIA)</p>	289
1200 – 1215	<p>LOWER ADRENAL STEROID PRODUCTION IN INDIVIDUALS WITH LOW HDL-CHOLESTEROL DUE TO MUTATIONS IN ABCA1 AND LCAT Andrea Bochem (NETHERLANDS), A.G. Holleboom, M. Vergeer, A.M. Brandt, F.C. Sweep, J.A. Kuivenhoven, G.K. Hovingh, E.S. Stroes</p>	290
1215 – 1230	<p>LEUKOCYTE ABC-TRANSPORTER A1 REMAINS ATHEROPROTECTIVE IN THE ABSENCE OF CIRCULATING APOLIPOPROTEIN AI: IMPORTANCE OF LEUKOCYTOSIS SUPPRESSION Ying Zhao (NETHERLANDS), Laura Calpe-Berdiel, Josep Julve, Joan Escolà-Gil, Amanda Foks, Ronald J. van der Sluis, Francisco Blanco-Vaca, Theo J.C. van Berkel, Jan-Albert Kuivenhoven, Miranda Van Eck</p>	291
1230 – 1245	<p>AN ABCA1 PROMOTER VARIANT ASSOCIATED WITH HDL-C SHOWS CELL LINE SPECIFIC ACTIVITY AND RESPONSES TO LXR/RXR AGONISTS Sally McCormick (NEW ZEALAND), Brie Sorrenson, Vicky Phillips, Gregory Jones</p>	292
1245 – 1300	<p>MUTATIONS IN ABCA1 ARE ASSOCIATED WITH INCREASED ATHEROSCLEROSIS: A 3.0TESLA MRI STUDY. Andrea Bochem (NETHERLANDS), D.F. van Wijk, R. Duivenvoorden, A.G. Holleboom, E. de Groot, A.W. Schimmel, G.K. Hovingh, J.A. Kuivenhoven, A.J. Nederveen, E.S. Stroes</p>	293

Workshop 18 – Regulation of LDL Levels and Atherosclerosis Prevention

Chairs: Kwang Kon Koh (KOREA, SOUTH), Andrew Tonkin (AUSTRALIA)

TIME		abstract #
1100 – 1130	MECHANISM OF ACTION OF STATINS ON LIPOPROTEIN METABOLISM IN VIVO: NEW INSIGHTS, LIMITATIONS AND ENHANCEMENTS Gerald Watts (AUSTRALIA), D Chan, PHR Barrett	295
1130 – 1200	OPTIMISING STATIN USE IN PREVENTION OF ATHEROSCLEROSIS Andrew Tonkin (AUSTRALIA)	294
1200 – 1215	EFFECTS OF AMG145 ON CHOLESTEROL PARAMETERS: A PHASE 1, RANDOMIZED, DOUBLE-BLIND, PLACEBO CONTROLLED STUDY Scott Wasserman (USA), Clapton Dias, Adam Shaywitz, Brian Smith, Bing Gao, John Gibbs, Dina Stolman, Caroline Crispino, Marc Retter, Ren Xu, Mark Matson,	296
1215 – 1230	LDL-APHERESISTHERAPY IN FAMILIAL HYPERCHOLESTEROLEMIA: LONG TERM PATIENT COMPLIANCE AND THERAPEUTIC EFFICACY IN THE LA PITIE-SALPETRIERE COHORT Samir Saheb (FRANCE), Emilie Duchene, M. John Chapman, Eric Bruckert	297
1230 – 1245	STATIN TREATMENT UPREGULATES INTESTINAL LIPID SECRETION PATHWAYS IN A RODENT MODEL OF INSULIN RESISTANT AND CVD, THE JCR:LA-CP RAT. Faye Borthwick (CANADA), Rabban Mangat, Donna Vine, Spencer Proctor	298
1245 – 1300	<i>Young Investigator Oral Finalist:</i> OVEREXPRESSION OF PCSK9 IN MICE RESULTS IN HYPERTRIGLYCERIDEMIA, HYPERCHOLESTEROLEMIA AND HYPERBETALIPOPROTEINEMIA Ba-Bie Teng (USA), Hua Sun, Amin Samarghandi, Zemin Yao	299

Mini Oral Session A – Familial Hypercholesterolaemia

Chair: Tim Bates

TIME		abstract #
1300 – 1308	INVOLVEMENT OF PSCK9 IN THE PREVENTION OF AGE-RELATED HYPERCHOLESTEROLEMIA BY A PUFA ENRICHED-DIET Sara Straniero (SWEDEN), Gabriella Cavallini, Alessio Donati, Ettore Bergamini, Bo Angelin, Mats Rudling	300
1308 – 1316	IS LIPOPROTEIN(A) AN INDEPENDENT PREDICTOR OF PREMATURE CORONARY HEART DISEASE IN FAMILIAL HYPERCHOLESTEROLAEMIA? EFFECT OF GENDER Dick Chan (AUSTRALIA), Rebecca Wood, Sarah-Jane Mercier, Amanda Juniper, Frank van Bockxmeer, Timothy Bates, John Burnett, Gerald Watts	301
1316 – 1324	PLASMA LEVELS OF PROPROTEIN CONVERTASE SUBTILISIN KEXINTYPE 9 (PCSK9) AND PHENOTYPIC VARIABILITY IN FAMILIAL HYPERCHOLESTEROLEMIA Roeland Huijgen (NETHERLANDS), Sigrid Fouchier, Michael Denoun, Barbara Hutten, Maud Vissers, Gilles Lambert, John Kastelein	302
1324 – 1332	UTILITY OF ACHILLES TENDON THICKNESS AND DNA ANALYSIS FOR DIAGNOSING FAMILIAL HYPERCHOLESTEROLEMIA Hiroshi Mabuchi (JAPAN), Atsushi Nohara, Tohru Noguchi, Junji Kobayashi, Masa-aki Kawashiri, Hayato Tada, Chiaki Nakanishi, Mika Mori, Masakazu Yamagishi, Akihiro Inazu	303

Mini Oral Session B – Inflammation

Chair: Levon Khachigian (AUSTRALIA)

TIME		abstract #
1300 – 1308	ACTIVATION OF LYMPHOCYTES BY LIPID DERIVED INTERMEDIATE MALONDIALDEHYDE -A CYTOKINE ARRAY ANALYSIS Somasundaram Raghavan (INDIA), Ganesan Subramaniam, Narkunaraaja Shanmugam	304
1308 – 1316	ANNEXIN A5 ATTENUATES T CELL ACTIVATION INDUCED BY PLA2-MODIFIED LDL-TREATED DENDRITIC CELLS Anquan Liu (SWEDEN), Julia Yue Ming, Roland Fiskesund, Anna Frosteg'Çrd, Ewa Ninio, Sonia-Athina Karabina, Johan Frosteg'Çrd	305
1316 – 1324	CRP DIFFERENTIALLY PREDICTS FATAL AND NON-FATAL CARDIOVASCULAR AND PERIPHERAL VASCULAR EVENTS: THE EPIC-NORFOLK PROSPECTIVE POPULATION STUDY Diederik Van wyk (NETHERLANDS), Manjinder Sandhu, Nicholas Wareham, John Kastelein, Erik Stroes, Kay Tee Khaw, Matthijs Boekholdt	306

1324 – 1332	HIGH GLUCOSE-INDUCED PROINFLAMMATORY CYTOKINE/CHEMOKINE EXPRESSION PROFILE IN LYMPHOCYTE: -AN ANTIBODY ARRAY STUDY Prabhakaran Kumar (INDIA), Kartiga Natarajan, Ganesan Subramaniam, Narkunaraja Shanmugam	307
1332 – 1340	MECHANISTIC STUDY OF INTERFERON-GAMMA-INDUCIBLE PROTEIN (IP-10) RNA STABILITY IN INFLAMMATORY DISEASES Kartiga Natarajan (INDIA), Doulathunnisa Jafar Ali, Narkunaraja Shanmugam	308

1300 – 1400

TUESDAY 27 MARCH 2012

THEATRETTE 3

Mini Oral Session C – Risk Factors/Epidemiology/Obesity

Chair: Kevin Croft (AUSTRALIA)

TIME		abstract #
1300 – 1308	COMMONALITY OF VASCULAR DISTURBANCES IN ATHEROSCLEROSIS AND ALZHEIMER'S DISEASE. Ryusuke Takechi (AUSTRALIA), Menuka Pallegage-Gamarallage, Virginie Lam, Susan Galloway, Corey Giles, John Mamo	309
1308 – 1316	ECS/EAS LDL-C AND APOB TARGETS ARE NOT INTERCHANGEABLE IN THE CEPHEUS SA STUDY Dirk Blom (SOUTH AFRICA), Frederick Raal	310
1316 – 1324	ASSOCIATION OF ADIPONECTIN LEVELS WITH ABDOMINAL OBESITY IN HYPERTENSIVE PATIENTS Efrossyni Paraskevopoulou (GREECE), Apostolos Christou, Magdalini Skoura, Charalambos Theofanakis, Nikolaos Tsigkas, Stamatina Konstantinou, Athanasios Marinakos, Pinelopi Paraskevopoulou, Sotirios Patsilinakos	311
1324 – 1332	FATTY ACID-BINDING PROTEIN 4 HAPLOINSUFFICIENCY ASSOCIATES WITH ASYMPTOMATIC CAROTID ATHEROSCLEROSIS Jani Saksi (FINLAND), Petra Ijäs, Mikko Lehtimäki, Krista Nuotio, Jarno Tuimala, Matti Jauhiainen, Markku Kaste, Petri Kovanen, Perttu Lindsberg	312
1332 – 1340	GENETIC VARIANTS AND BLOOD PRESSURE IN A POPULATION-BASED COHORT: THE CARDIOVASCULAR RISK IN YOUNG FINNS STUDY Mervi Oikonen (FINLAND), Emmi Tikkanen, Terho Lehtimäki, Jorma Viikari, Christopher Newton-Cheh, Nicholas Schork, Gerald Berenson, Veikko Salomaa, Olli Raitakari	313
1340 – 1348	IMPACT FACTORS OF ANKLE BRACHIAL PULSE WAVE VELOCITY IN XINJIANG 10000 SUBJECTS Buaijiaer Hasimu (CHINA, PEOPLE'S REPUBLIC OF), Dayi Hu, Yitong Ma	314

Mini Oral Session D – Treatment

Chair: **Karam Kostner** (AUSTRALIA)

TIME		abstract #
1300 – 1308	<p>ASSOCIATION OF STATIN POTENCY WITH MARKERS OF CHOLESTEROL ABSORPTION/SYNTHESIS AND LDL-C LOWERING EFFICACY OF EZETIMIBE</p> <p>Nuntakorn Thongtang (THAILAND), Jianxin Lin, Ernst J. Schaefer, Robert S. Lowe, Joanne E. Tomassini, Arvind K. Shah, Andrew M. Tershakovec</p>	315
1308 – 1316	<p>DOSE-DEPENDENT EFFECTS OF ROSUVASTATIN ON PLASMA SPHINGOLIPIDS AND PHOSPHOLIPIDS IN MEN WITH THE METABOLIC SYNDROME</p> <p>Theodore Ng (AUSTRALIA), Esther Ooi, Gerald Watts, Dick Chan, Peter Meikle, Hugh Barrett</p>	316
1316 – 1324	<p>EFFECT OF EMBELIN ON LIPID METABOLISM AND OXIDATIVE STRESS IN EXPERIMENTAL OBESE RATS INDUCED BY HIGH FAT DIET</p> <p>Chaudhari Hemantkumar Somabhai (INDIA), Uma Bhandari, Abul Kalam Najmi, Geetika Khanna</p>	317
1324 – 1332	<p>NEW THIAZOLIDINEDIONES WITH LOW ADIPOGENIC EFFECTS IN MOUSE 3T3-L1 PREADIPOCYTES</p> <p>Dulcinea Abdalla Saes Parra (BRAZIL), Cristiane Saito, Renila Ferrer, Martina Rudnicki, Fernanda Cesar, Maria Lima, Suely Galdino, Ivan Pitta</p>	318

Kowa Symposium: Novel Strategies for Raising HDL-C: Pitavastatin in Clinical Practice

Chairs: Philip Barter (AUSTRALIA)

TIME		abstract #
1300 – 1305	INTRODUCTIONS	
1305 – 1330	HDL-C: IMPORTANCE AND RELEVANCE TO RISK MODIFICATION Philip Barter (AUSTRALIA)	319
1330 – 1355	PITAVASTATIN: DIFFERENTIAL EFFECTS ON LIPID PARAMETERS John Chapman (FRANCE)	320
1355 – 1420	PITAVASTATIN: REAL WORLD DATA FROM THE LIVES STUDY Tamio Teramoto (JAPAN)	321
1420 – 1445	THE DIABETOGENICITY OF STATINS: IMPACT ON CLINICAL PRACTICE Henry Ginsberg (USA)	322
1445 – 1500	DISCUSSION	

This programme examines the contribution of HDL-C as a predictor/modifiable risk factor for CV disease and discusses the potential role for pitavastatin – a statin that consistently increases HDL-C levels over the long term – in modifying CV risk in a range of patients, including those at risk of developing diabetes.

FH Australasia Network and International FH Foundation

Workshop on Models of Care for FH

What works, sharing experience, working together and the way forward

Chairs: John Kastelein (NETHERLANDS), Gerald Watts (AUSTRALIA)



TIME		abstract #
1300 – 1315	MODELS OF CARE: THE NETHERLANDS Eric Sijbrands (NETHERLANDS)	323
1315 – 1330	MODELS OF CARE: SPAIN Rodrigo Alonso (SPAIN)	324
1330 – 1345	MODELS OF CARE: UNITED KINGDOM Anthony Wierzbicki (UNITED KINGDOM)	325
1345 – 1400	MODELS OF CARE: JAPAN Shizuya Yamashita (JAPAN)	326
1400 – 1415	MODELS OF CARE: BRAZIL Raul Santos (BRAZIL)	327
1415 – 1430	MODELS OF CARE: AUSTRALIA Gerald Watts (AUSTRALIA)	328
1430 – 1500	PANEL AND DISCUSSION Virgil Brown (US) David Marias (South Africa) Samuel Gidding (US) Ta-Chen Su (Taiwan)	

Symposium: Controversies in the Management of small AAA

Chairs: Alan Daugherty (AUSTRALIA), Elliot Chaikof (USA)

TIME		abstract #
1330 – 1355	MEDICAL THERAPY Jonathan Golledge (AUSTRALIA)	329
1355 – 1420	DO ANIMAL MODELS PROVIDE INSIGHT INTO MECHANISMS OF HUMAN AAA? Alan Daugherty (USA)	330
1420 – 1445	AAA POPULATION SCREENING AND SURVEILLANCE Elliot Chaikof (USA)	331
1445 – 1500	PANEL DISCUSSION	

Workshop 19 – Micro RNAs – A New Insight into Atherosclerosis

Chairs: Alan Remaley (USA), Heather Medbury (AUSTRALIA)

TIME		abstract #
1530 – 1600	<p>MICRORNA REGULATORY NETWORKS IN LIPID METABOLISM AND ATHEROSCLEROSIS</p> <p>Kasey Vickers (USA), Praveen Sethupathy, Bassem M. Shoucri, Michael G. Levin, Brian T. Palmisano, Alan T. Remaley</p>	332
1600 – 1615	<p>MICRORNAS MIR-21, MIR-210, MIR-34A AND MIR-146A/B-5P ARE UP-REGULATED IN HUMAN ATHEROSCLEROTIC PLAQUES IN TAMPERE VASCULAR STUDY</p> <p>Emma Raitoharju (FINLAND), Leo-Pekka Lyytikäinen, Mari Levula, Niku Oksala, Ari Mennander, Norman Klopp, Thomas Illig, Mika Kähönen, Reijo Laaksonen, Terho Lehtimäki</p>	333
1615 – 1630	<p>PLATELETS IN PATIENTS WITH PREMATURE CORONARY ARTERY DISEASE EXHIBIT UPREGULATION OF MIRNA340* AND MIRNA624*</p> <p>Maayke Kok (NETHERLANDS), Brigitte Sondermeijer, Annemieke Bakker, Amalia Halliani, Maurice de Ronde, Suthesh Sivapalaratnam, Pery Moerland, Joost Meijers, Esther Creemers, Sara-Joan Pinto-Sietsma</p>	334
1630 – 1645	<p>THE ANTI-INFLAMMATORY PROPERTIES OF HIGH DENSITY LIPOPROTEINS ARE MEDIATED BY MIR-223 DELIVERY IN HUMAN ENDOTHELIAL CELLS</p> <p>Fatiha Tabet (AUSTRALIA), Kasey C. Vickers, Luisa F. Cuesta Torres, Bassem M. Shoucri, Philip J. Barter, Alan T. Remaley, Kerry-Anne Rye</p>	335
1645 – 1700	<p>MIR-342-5P PROMOTES ATHEROSCLEROTIC LESION DEVELOPMENT AND PROINFLAMMATORY MACROPHAGE POLARIZATION</p> <p>Yuanyuan Wei (GERMANY), Maliheh Nazari-Jahantigh, Kathrin Heyll, Lily Chan, Andreas Schober</p>	336
1700 – 1715	<p><i>Young Investigator Oral Finalist:</i></p> <p>HDL AND ITS MAIN CONSTITUENTS DIFFERENTIALLY REGULATE MICRORNA PROFILES IN HUMAN CORONARY ARTERY ENDOTHELIAL CELLS</p> <p>Fatiha Tabet (AUSTRALIA), Kasey C. Vickers, Luisa F. Cuesta Torres, Bassem M. Shoucri, Philip J. Barter, Alan T. Remaley, Kerry-Anne Rye</p>	337
1715 – 1730	<p>EXTRACELLULAR HEAT SHOCK PROTEIN 27 EXERTS ITS ATHEROPROTECTIVE EFFECTS BY MODULATING MACROPHAGE FUNCTION: TARGETING OF SCAVENGER RECEPTOR-A AND FOAM CELL FORMATION</p> <p>Edward O'Brien (CANADA), Tara Seibert, Josh Raizman, Chunhua Shi, Tieqiang Hu, Xiaoling Zhao, Yong-Xiang Chen</p>	338

Workshop 20 – Genetics of Obesity and Atherosclerosis

Chairs: Fredrik Karpe (UK), Børge Nordestgaard (DENMARK)

TIME		abstract #
1530 – 1600	<p>ADIPOSE TISSUE BIOLOGY AND ITS RELATIONSHIP TO METABOLIC HEALTH: LESSONS FROM COMPARING ABDOMINAL AND GLUTEOFEMORAL FAT</p> <p>Fredrik Karpe (UNITED KINGDOM), Katherine Pinnick, Costas Christodoulides, Matt J Neville, Barbara Fielding, Leanne Hodson</p>	339
1600 – 1615	<p>FINE MAPPING REVEALS NOVEL METABOLIC ASSOCIATIONS FOR 25 KNOWN LIPID LOCI</p> <p>Taru Tukiainen (FINLAND), Johannes Kettunen, Antti Kangas, Johan Eriksson, Olli Raitakari, Veikko Salomaa, Marjo-Riitta Järvelin, Aarno Palotie, Mika Ala-Korpela, Samuli Ripatti</p>	340
1615 – 1630	<p>GENETIC EVIDENCE THAT LIPOPROTEIN(A) CAUSES ATHEROSCLEROSIS RATHER THAN VENOUS THROMBOSIS</p> <p>Børge G Nordestgaard (DENMARK), Pia R Kamstrup, Anne Tybjaerg-Hansen</p>	341
1630 – 1645	<p>GENETIC VARIATION IN APOB, PCSK9, AND ANGPTL3 IN CARRIERS OF PATHOGENIC AUTOSOMAL DOMINANT HYPERCHOLESTEROLEMIC MUTATIONS WITH UNEXPECTEDLY LOW LDL-C LEVELS</p> <p>Sigrid Fouchier (NETHERLANDS), Roeland Huijgen, Kelly Vis, Joep C. Defesche, G. Kees Hovingh, John J.P. Kastelein</p>	342
1645 – 1700	<p>COMMON AND LOW-FREQUENCY GENETIC VARIANTS IN THE PCSK9 LOCUS INFLUENCE CIRCULATING PCSK9 LEVELS</p> <p>Ferdinand Vant Hooft (SWEDEN), Ekaterina Chernogubova, Rona Strawbridge, Sergey Krapivner, Mai-Lis Hellénus, Ulf de Faire, Ann-Christine Syvänen, Jason S. Troutt, Robert J. Konrad, Anders Hamsten</p>	343
1700 – 1715	<p>GENETIC VARIATION IN HEPARAN SULPHATE PROTEOGLYCAN AFFECTS HEPATIC TRIGLYCERIDE CLEARANCE IN HUMANS</p> <p>Hans Mooij (NETHERLANDS), Geesje Dallinga-Thie, Max Nieuwdorp, Erik Stroes</p>	344
1715 – 1730	<p>EXPRESSION OF LINEAR AND CIRCULAR ANRIL ISOFORMS AND ATHEROSCLEROSIS AT CHROMOSOME 9P21</p> <p>Lesca Miriam Holdt (GERMANY), Markus Scholz, Frank Beutner, Stephan Gielen, Daniel Teupser</p>	345

Workshop 21 – Pathophysiological Aspects of Dyslipidemias

Chairs: Zemin Yao (CANADA), Merlin Thomas (AUSTRALIA)

TIME		abstract #
1530 – 1600	<p>APOLIPOPROTEIN C-III REVISITED – A ROLE IN DIABETIC DYSLIPIDEMIA, HEPATIC ER STRESS AND STEATOSIS</p> <p>Zemin Yao (CANADA)</p>	346
1600 – 1615	<p>ELEVATED NEUTRAL LIPID CONTENTS OF HDL AND LDL FROM PATIENTS WITH HIV/ART DYSLIPIDEMIA INDICATES DEFECTS IN REVERSE CHOLESTEROL TRANSPORT: ANALYSIS OF HDL SIZE, STABILITY AND FUNCTION.</p> <p>Baiba Gillard (USA), Raul Ruiz-Esponda, Hu Yu Lin, Joe Raya, Lele Li, Ivonne Coraza, Dinakar Iyer, Ashok Balasubramanyan, Henry Pownall</p>	347
1615 – 1630	<p>PROTECTION FROM DYSLIPIDEMIA, INSULIN RESISTANCE, INFLAMMATION AND ATHEROSCLEROSIS BY THE CITRUS FLAVONOID NOBILETIN</p> <p>Murray Huff (CANADA), Erin Mulvihill, Julia Assini, Brian Sutherland, Cynthia Sawyez, Jane Edwards, Andre Marette, Dawn Telford</p>	348
1630 – 1645	<p>DIETARY SPHINGOMYELIN REDUCES INTESTINAL CHOLESTEROL ABSORPTION AND AMELIORATES HEPATIC LIPID ACCUMULATION IN HIGH-FAT FED MICE</p> <p>Wing Shan Rosanna Chung (AUSTRALIA), Alvin Kamili, Kerry-Anne Rye, Sally Tandy, Jeffrey Cohn</p>	349
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WEDNESDAY PROGRAM

830 – 1045

WEDNESDAY 28 MARCH 2012

BAYSIDE AUDITORIUM B

Plenary Session 3 – Infection, Immunity and Atherosclerosis

Chairs: Jean Davignon (CANADA), Gerd Assmann (GERMANY)

TIME		abstract #
830 – 900	T CELLS, INFLAMMATION AND ATHEROSCLEROSIS Goran Hansson (SWEDEN)	510
900 – 930	B CELL-MEDIATED IMMUNITY AND ATHEROSCLEROSIS Ziad Mallat (UNITED KINGDOM)	511
930 – 1000	ABC TRANSPORTERS AND APOE REGULATE HEMATOPOIETIC STEM CELL PROLIFERATION, LEUKOCYTOSIS AND ATHEROSCLEROSIS Alan Tall (USA)	512
1000 – 1030	ROLE OF INFLAMMASOMES IN ATHEROSCLEROSIS Eicke Latz (GERMANY) <i>Proudly sponsored by CSL Limited / CSL Behring</i>	513
1030 – 1045	Award Presentation Ceremony <i>Supported by NSW Trade & Investment</i> Join us as we announce the winners of the IAS Early Career Poster Awards, Young Investigator Oral Awards, IAS Asia Pacific Regional Federation Education Grants and the Asia Pacific Society of Atherosclerosis and Vascular Disease (APSAVD) Education Grants.	

WEDNESDAY 28 MARCH 2012

Workshop 25 – Insight into HDL Functionality

Chairs: Sean Davidson (USA), Kerry-Anne Rye (AUSTRALIA)

TIME		abstract #
1115 – 1145	<p>RELATIONSHIP BETWEEN APOLIPOPROTEIN STRUCTURE AND HIGH DENSITY LIPOPROTEIN FUNCTION</p> <p>Sean Davidson (USA)</p>	514
1145 – 1215	<p>HIGH-DENSITY LIPOPROTEINS INHIBIT THE CHEMOKINE AND CHEMOKINE RECEPTORS THAT ARE CRITICAL FOR MONOCYTE RECRUITMENT AND THE PROGRESSION OF ATHEROSCLEROSIS.</p> <p>Christina Bursill (AUSTRALIA), Leticia Castro, Douglas Beattie, Philip Barter, Kerry-Anne Rye</p>	515
1215 – 1230	<p>APOLIPOPROTEIN A-IV INHIBITS ACUTE VASCULAR INFLAMMATION BOTH IN VIVO AND IN VITRO</p> <p>Kate Shearston (AUSTRALIA), Philip Barter, Ling Yan, Kerry-Anne Rye</p>	516
1230 – 1245	<p>THE IMPACT OF PARTIAL AND COMPLETE LOSS OF FUNCTION MUTATIONS IN ENDOTHELIAL LIPASE ON HDL LEVELS AND CARDIOPROTECTIVE FUNCTIONALITY IN HUMANS</p> <p>Roshni Singaraja (CANADA), Suthesh Sivapalaratnam, Kees Hovingh, José Castro-Perez, Kenny Wong, Lyndon Mitnaul, Geesje Dallinge-Thie, Leonie Van Vark-Van, Germaine Verwoert, Marie-Pierre Dubé, Mieke D. Trip, Andrew Plump, Andrew Plump, Eric Sijbrands, John J. Kastelein, Michael R. Hayden</p>	517
1245 – 1300	<p>HIGH-DENSITY LIPOPROTEIN FUNCTION IS IMPAIRED IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION INDEPENDENT OF PLASMA HIGH-DENSITY LIPOPROTEIN CHOLESTEROL LEVELS</p> <p>Wijtske Annema (NETHERLANDS), Hendrik M. Willemsen, Jan Freark de Boer, Wybe Nieuwland, Robin P. F. Dullaart, Iwan C. C. van der Horst, René A. Tio, Uwe J. F. Tietge</p>	518

Workshop 26 – Mechanistic Insights into the Origin of Atherosclerosis

Chairs: Stanley Hazen (USA), Bronwyn Kingwell (AUSTRALIA)

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1115 – 1145	GUT FLORA AS A CONTRIBUTOR OF ATHEROSCLEROSIS AND A TARGET FOR THERAPY Stanley Hazen (USA)	519
1145 – 1215	ROLE OF NKT CELL SUBSETS IN ATHEROSCLEROSIS Alex Bobik (AUSTRALIA), K To, P Tipping, B-H Toh	520
1215 – 1230	SPHINGOMYELIN SYNTHASE 1 DEFICIENCY DECREASES ATHEROSCLEROSIS IN MICE: REDUCED SPHINGOMYELIN, INDUCED GLYCOSPHINGOLIPIDS, AND DECREASED NFKB AND MAP KINASE ACTIVATION Xian-Cheng Jiang (USA), Zhiqiang Li, Yifan Fan, Jin Liu, Ming-Shang Kuo, Guoqing Cao	521
1230 – 1245	SEVERE HYPERCHOLESTEROLEMIA DUE TO HOMOZYGOSITY FOR A LIPA MUTATION Sigrid Fouchier (NETHERLANDS), Nathan O.M.D. Stitzel, Barbara Sjouke, Erik S.G. Stroes, John J.P. Kastelein, Joep C. Defesche, Sekar Katherisan, G. Kees Hovingh	522
1245 – 1300	APOE3 AND APOE4 POLYMORPHISM: MECHANISTIC BASIS FOR DIFFERENTIAL ISOFORM EFFECTS ON SERUM CHOLESTEROL LEVELS AND LIPOPROTEIN PROFILES Sissel Lund-Katz (USA), Hui Li, Daniel Rader, Michael Phillips	523

Concurrent Workshop 27: Diabetes and cardiovascular disease

Chair: Henry Ginsberg (USA) and Karin Jandeleit-Dahm (Australia)

TIME		abstract #
1100 – 1130	<p>WHY PEOPLE WITH INSULIN RESISTANCE AND TYPE 2 DIABETES MELLITUS HAVE LOW HDL CHOLESTEROL LEVELS</p> <p>Henry Ginsberg (USA)</p>	589
1130 – 1200	<p>PLASMALOGEN RELATED -OMICS DURING MONOCYTEMACROPHAGE DIFFERENTIATION REVEALS POTENTIAL BIOMARKERS FOR METABOLIC SYNDROME</p> <p>Stefan Wallner (GERMANY), Tatiana Konovalova, Evelyn Orso, Margot Grandl, Josef Ecker, Markus Peer, Gerhard Liebisch, Gerd Schmitz</p>	594
1200 – 1215	<p>OSTEOPROTEGERIN (OPG) IS INCREASED IN PATIENTS WITH TYPE 1 DIABETES AND VASCULAR COMPLICATIONS AND PREDICTS CARDIOVASCULAR MORTALITY</p> <p>Aino Soro-Paavonen (FINLAND), Daniel Gordin, Carol Forsblom, Milla Rosengard-Barlund, Johan Waden, Lena Thorn, Mette Bjarre, Allan Flyvbjerg, Merlin Thomas, Per-Henrik Groop</p>	590
1215 – 1230	<p>DIFFERENTIAL EXPRESSION OF GENES INVOLVED IN HEPATIC CLEARANCE OF TG-RICH REMNANT PARTICLES IN MICE WITH IMPAIRED GLUCOSE HOMEOSTASIS</p> <p>Geesje Dallinga-Thie (THE NETHERLANDS), Preethi Surendran, Marco van Eijk, Erik Stroes</p>	591
1230 – 1245	<p>EXENDIN-4, A GLUCAGON-LIKE PEPTIDE-1 RECEPTOR AGONIST, REDUCES HEPATIC STEATOSIS AND INHIBITS VLDL PRODUCTION IN APOE*3-LEIDEN MICE</p> <p>Patrick C.N. Rensen (NETHERLANDS), Yanan Wang, Edwin T. Parlevliet, Janine J. Geerling, Janny P. Schröder van der Elst, Johannes W.A. Smit, Louis M. Havekes, Johannes A. Romijn, Hanno Pijl</p>	592
1245 – 1300	<p>ACTIVATED PLATELETS EXPRESS THE RECEPTOR FOR ADVANCED GLYCATION END PRODUCTS (RAGE) THEREBY ENABLING BINDING OF THE PRO-ATHEROGENIC DNA-BINDING CYTOKINE HMGB1.</p> <p>Ingo Ahrens (GERMANY), Alex Agrotis, Denijal Topcic, Nicole Bassler, Yung-Chih Chen, Alex Bobik, Christoph Bode, Karlheinz Peter</p>	593
1300 – 1315	<p>INHIBITION OF HEPATIC SULF2 IN VIVO CORRECTS POSTPRANDIAL DYSLIPIDEMIA IN TYPE 2 DIABETIC MICE</p> <p>Carlijne Hassing (NETHERLANDS), Hans Mooij, Keyang Chen, Shuling Guo, Brett Monia, Geesje Dallinga-Thie, Max Nieuwdorp, Erik Stroes, Kevin Jon Williams</p>	595

Workshop 28 – Insulin Resistance, Obesity, Metabolic Factors and Cardiovascular Disease

Chairs: Samuel Gidding (USA), Paul Nestel (AUSTRALIA)

TIME		abstract #
1100 – 1130	CHILDHOOD OBESITY AND FUTURE ATHEROSCLEROSIS Samuel Gidding (USA)	529
1130 – 1200	INSULIN RESISTANCE IN CHILDHOOD AND ADOLESCENT OBESITY Louise Baur (AUSTRALIA)	530
1200 – 1215	EPICARDIAL FAT IS ASSOCAITED WITH INFLAMMATION IN YOUNG HEALTHY OBESETWINS Aila Rissanen (FINLAND), Marit Graner, Anneli Seppälä-Lindroos, Antti Hakkarainen, Nina Lundblom, Jaakko Kaprio, Markku S Nieminen, Kirsi Pietiläinen	531
1215 – 1230	REMODELING OFTHE VESSEL WALL DURING INSULIN RESISTANCE MAY EXPLAIN PREFERENTIAL RETENTION OF CHOLESTEROL-RICH REMNANT LIPOPROTEINS AND INCREASED CVD IN THE JCR:LA-CP RAT. Rabban Mangat (CANADA), Faye Borthwick, Richard Uwiera, Jim Russell, Donna Vine, Spencer Proctor	532
1230 – 1245	CHYLOMICRON METABOLISM IS IMPAIRED IN STATIN-TREATED TYPE 2 DIABETIC MEN Jing Pang (AUSTRALIA), Vijay Tenneti, Dick Chan, Gerald F Watts, Hugh Barrett	533
1245 – 1300	MICROCIRCULATION AND ATHEROTHROMBOTIC PARAMETERS IN PROLACTINOMA PATIENTS. Suzanne Battjes (NETHERLANDS), Brigitte Sondermeijer, Anne Reuwer, Rogier van Zijderveld, Danka Stuijver, Peter Bisschop, Marcel Twickler, Joost Meijers, Reinier Schlingemann, Erik Stroes	534

Workshop 29 – Predictors of Cardiovascular Disease

Chairs: Richard Hobbs (UNITED KINGDOM), Leonard Kritharides (AUSTRALIA)

TIME		abstract #
1100 – 1130	NEW BIOMARKERS OF CARDIOVASCULAR DISEASE Kausik Ray (UNITED KINGDOM)	535
1130 – 1200	TRADITIONAL RISK FACTORS FOR CARDIOVASCULAR DISEASE Richard Hobbs (UNITED KINGDOM)	536
1200 – 1215	COMPREHENSIVE METABOLIC PROFILING IN BIOMARKER DISCOVERY AND PREDICTION OF SUBCLINICAL ATHEROSCLEROSIS Peter Wurtz (FINLAND), Juho Raiko, Costan Magnussen, Pasi Soininen, Antti Kangas, Tuulia Tynkkynen, Jorma Viikari, Terho Lehtimäki, Mika Ala-Korpela, Olli Raitakari	537
1215 – 1230	NULL MUTATIONS IN APOC3 ARE NOT UNCOMMON IN THE GENERAL POPULATION, CONFER A FAVORABLE LIPID PROFILE AND APPARENT CARDIOPROTECTION. Anne Tybjaerg-Hansen (DENMARK), Anders Berg Jørgensen, Ruth Frikke-Schmidt, Børge G. Nordestgaard	538
1230 – 1245	ANKLE BRACHIAL INDEX AS A MARKER OF ATHEROSCLEROSIS IN CHINESE PATIENTS WITH HIGH CARDIOVASCULAR RISK Buaijiaer Hasimu (CHINA, PEOPLE'S REPUBLIC OF), Dayi Hu, Yitong Ma	539
1245 – 1300	CREATININE, CARDIOVASCULAR DISEASE RISK, AND ALL CAUSE MORTALITY IN THE GENERAL POPULATION Marianne Benn (DENMARK), Kirstine L. Sibillitz, Niels Fogh-Andersen, Børge G. Nordestgaard	540

Workshop 30 – Obesity in Cardiovascular Disease

Chairs: Luc Van Gaal (BELGIUM), Ian Caterson (AUSTRALIA)

TIME		abstract #
1115 – 1145	MECHANISMS LINKING (ABDOMINAL) OBESITY WITH CARDIOVASCULAR DISEASE Luc Van Gaal (BELGIUM)	541
1145 – 1215	OBESITY IN 2012: CAUSES & MANAGEMENT APPROACHES Ian Caterson (AUSTRALIA)	542
1215 – 1230	THE ASSOCIATION BETWEEN A1C AND WAIST CIRCUMFERENCE IN THE US POPULATION Bernard Cheung (HONG KONG), Nithushi Samaranayake, Chao Li, Kwok Leung Ong	543
1230 – 1245	PLASMA DIAGNOSTIC MARKERS OF FATTY LIVER IN SUBJECTS WITH OR WITHOUT METABOLIC SYNDROME Katsuyuki Nakajima (JAPAN)	544
1245 – 1300	TISSUE SPECIFIC ROLES OF SEIPIN IN OBESITY, FATTY LIVER AND ATHEROSCLEROSIS George Liu (CHINA, PEOPLE'S REPUBLIC OF)	545

Mini Oral Session A – Inflammation/Inflammatory Disorders

Chair: **George Muscat** (AUSTRALIA)

TIME		abstract #
1300 – 1308	<p>TARGETED GENE DELETION IN THE TGF-β SIGNALING PATHWAY AFFECTS ATHEROSCLEROSIS AND TH17 CELL DIFFERENTIATION IN HYPERCHOLESTEROLEMIC MICE</p> <p>Anton Gistera (SWEDEN), Anna-Karin Robertson, John Andersson, Daniel FJ Ketelhuth, Anna M Lundberg, Ming O Li, Richard A Flavell, Göran K Hansson</p>	546
1308 – 1316	<p>THE ORPHAN NUCLEAR HORMONE RECEPTOR, RORALPHA1: REGULATION OF ADIPOSE-MACROPHAGE INTERACTIONS AND INFLAMMATION.</p> <p>George Muscat (AUSTRALIA), P Lau, Z Tuong, A Stanley, R Fitzsimmons, J Stow</p>	547
1316 – 1324	<p>THE PRESENCE OF ASYMPTOMATIC CAROTID PLAQUES (A-CP) IN RHEUMATOID ARTHRITIS (RA) RESULTS IN INADEQUATE TREATMENT TO LIPID TARGETS IN CARDIOVASCULAR (CV) PREVENTION</p> <p>Anne Grete Semb (NORWAY), Silvia Rollefstad, Sella Provan, Inge C Olsen, Terje R Pedersen, Einar Stranden, Desiree Van Der Heijde, Jonny Hisdal, Tore K Kvien</p>	548
1324 – 1332	<p>TOCILIZUMAB INDUCES PRO-ATHERGENIC LIPID CHANGES IN RHEUMATOID ARTHRITIS</p> <p>Aart Strang (NETHERLANDS), Radjesh Bissoendial, Geesje Dallinga-Thie, Maarten Kok, Koen Vos, Danielle Gerlag, Erik Stroes, Paul P. Tak</p>	549
1332 – 1340	<p>CARDIOVASCULAR EVENTS ARE RELATED TO HIGH HDL-CHOLESTEROL IN ANKYLOSING SPONDYLITIS</p> <p>Anne Grete Semb (NORWAY), Tore K. Kvien, David A. DeMicco, Rana Fayyad, Chuan-Chuan Wun, John LaRosa, John Betteridge, Terje R Pedersen, Ingar Holme</p>	550

Mini Oral Session B – Nutrition

Chair: **Jennifer Keogh** (AUSTRALIA)

TIME		abstract #
1300 – 1308	<p>DECHOLESTEROLIZATION OF MILK FAT DIETS IMPROVE PLASMA AND LIVER LONG-CHAIN-OMEGA3 PROFILE (EPA, DHA) IN HAMSTERS</p> <p>Bernadette Delplanque (FRANCE), Jean Charles Martin, Bernard Poullain, Daniel Dallemans</p>	551
1308 – 1316	<p>DIETARY CURCUMIN LESSEN ATHEROSCLEROSIS DEVELOPMENT BY MODULATING EXPRESSION OF GENES INVOLVED IN LEUKOCYTE ADHESION AND TRANSENDOTHELIAL MIGRATION</p> <p>Christine Morand (FRANCE), Dragan Milenkovic, Dilek Coban, Audrey Chanet, Jamila Khallou-Laschet, Linde Sabbe, Wim Vanden Berghe, Andrzej Mazur</p>	552

1316 – 1324	DIETARY PHYTOSTEROLS AND UNESTERIFIED PHYTOSTEROLS SIGNIFICANTLY DECREASE PLASMA CHOLESTEROL LEVELS IN APOE*3-LEIDEN.CETP DOUBLETRANSGENIC MICE	553
José Van Der Hoorn (NETHERLANDS), Elsbet Pieterman, Anita van Nieuwkoop, Annemarie C.E. Maas, Simone Droog, Erik H. Offerman, Anne Paulien Drenth, Louis M. Havekes, Judith Moreines, Hans M.G. Princen		
1324 – 1332	FATTY ACIDS INTAKES AND CORONARY HEART DISEASE MORTALITY IN JAPAN: NIPPON DATA90, 1990-2005	554
Yasuyuki Nakamura (JAPAN), Yutaka Kiyohara, Tomonori Okamura, Aya Higashiyama, Makoto Watanabe, Aya Kadota, Shinya Nagasawa, Katsuyuki Miura, Hirotsugu Ueshima		
1332 – 1340	ORGAN-SELECTIVE MODULATION OF LIPID METABOLISM BY BERBERINE	555
Yuguang Lin (NETHERLANDS), Mario Vermeer, Eric Schuurbijs, Elke Trautwein		

1300 – 1400

WEDNESDAY 28 MARCH 2012

THEATRETTE 3

Mini Oral Session C – Risk Factors/Epidemiology/Obesity

Chair: Anne Barden (AUSTRALIA)

TIME		abstract #
1300 – 1308	IMPACT OF SMALL DENSE LOW-DENSITY LIPOPROTEIN ON PROGRESSION OF LIPID RICH CORONARY PLAQUES IN HUMANS	556
Jun-Ichi Funada (JAPAN), Yasunori Takata, Shinji Inaba, Akiyoshi Ogimoto, Go Hiasa, Takumi Sumimoto, Hidetoshi Hashida, Takeru Iwata, Hideki Okayama		
1308 – 1316	INTERRELATIONSHIP BETWEEN SEVERAL DIFFERENT WORK STRESSORS, LIPID LEVELS AND CARDIOVASCULAR EVENTS OCCURRENCE IN PATIENTS WITH ARTERIAL HYPERTENSION IN SOUTH SERBIA	557
Ivana Burazor (SERBIA), Violeta Stefanovic, Jovica Jovanovic, Mirko Burazor, Lazar Todorovic, Marko Lazovic, Nenad Burazor, Aleksandar Todorovic, Zoran Perisic, Zorka Burazor		
1316 – 1324	PULSE WAVE VELOCITY IN NORMAL NON DIABETIC FILIPINO SUBJECTS WITH POSITIVE FAMILY HISTORY OF DIABETES	558
Helen Marcoyannopoulou Fojas (GREECE), Shirley Kalaw Chavez, Rachel Salangsang Mojado		
1324 – 1332	FTO AND MC4R GENE VARIANTS DETERMINE THE EFFECTS OF INTENSIVE LIFESTYLE INTERVENTION IN OBESE CHILDREN.	559
Michal Vrablik (CZECH REPUBLIC), Lukas Zlatohlavek, Richard Ceska, Dana Dlouha, Jaroslav Hubacek		
1332 – 1340	PREVALENCE AND CHARACTERISTICS OF OBESITY AND ITS ASSOCIATION TO CARDIOVASCULAR RISK FACTORS IN SOUTH SERBIA	560
Ivana Burazor (SERBIA), Aleksandar Todorovic, Nada Vukadinovic, Mirko Burazor, Lazar Todorovic, Marko Lazovic, Zoran Perisic, Nenad Burazor, Zorka Burazor		

Mini Oral Session D – Vascular Biology

Chair: **Maaike Kockx** (AUSTRALIA)

TIME		abstract #
1300 – 1308	<p>ADVANCED GLYCATED ALBUMIN FROM POORLY CONTROLLED DIABETES MELLITUS PATIENTS INDUCES ENDOPLASMIC RETICULUM DYSFUNCTION AND IMPAIRS CHOLESTEROL EFFLUX FROM MACROPHAGES</p> <p>Gabriela Castilho (BRAZIL), Camila Sartori, Ligia Okuda, Adriana Machado-Lima, Edna Nakandakare, Marisa Passarelli</p>	561
1308 – 1316	<p>INVOLVEMENT OF MILK FAT GLOBULE-EPIDERMAL GROWTH FACTOR 8 SIGNALING IN AGE-ASSOCIATED ATHEROSCLEROSIS</p> <p>Mingyi Wang (USA), Jing Zhang, Zongming Fu, James Wu, Robert Monticone, Richard Teljohann, Liqun Jiang, Julie Mattson, Jennifer Van Eyk, Edward Lakatta</p>	562
1316 – 1324	<p>DISCOVERY OF NOVEL GENES AND MICRORNA THROUGH A NEWLY DEVELOPED MOUSE MODEL OF ATHEROSCLEROTIC PLAQUE RUPTURE</p> <p>Yung-Chih Chen (AUSTRALIA), Anh Viet Bui, Izhak Haviv, Jeremy Jowett, Richard Manasseh, Alex Agrotis, Alex Bobik, Karlheinz Peter</p>	563
1324 – 1332	<p>ELEVATED PLASMA THIOCYANATE CONCENTRATIONS DRIVE MYELOPEROXIDASE-DERIVED THIOL OXIDATION: A POTENTIAL MECHANISM FOR INCREASED ATHEROSCLEROSIS IN SMOKERS</p> <p>Philip Morgan (AUSTRALIA), David Pattison, Jihan Talib, Fiona Summers, Jason Harmer, David Celermajer, Clare Hawkins, Michael Davies</p>	564
1332 – 1340	<p>SERUM LEVEL OF LOX-1 LIGAND CONTAINING APOB (LAB) WAS ASSOCIATED WITH AN INCREASED RISK OF SUBCLINICAL ATHEROSCLEROSIS IN US WHITE AND JAPANESE MEN.</p> <p>Tomonori Okamura (JAPAN), Akira Sekikawa, Tatsuya Sawamura, Takashi Kadowaki, Kim Sutton-Tyrrell, Daniel Edmundowicz, Yoshitaka Murakami, Katsuyuki Miura, Lewis H Kuller, Hirotsugu Ueshima</p>	565



Familial Hypercholesterolemia: Pediatric Aspects

Chairs: Samuel Gidding (USA), Albert Wiegman (NETHERLANDS)



TIME		abstract #
1300 – 1320	CHOLESTEROL AND ATHEROSCLEROSIS IN CHILDREN Samuel Gidding (USA)	566
1320 – 1350	FAMILIAL HYPERCHOLESTEROLEMIA: THE DUTCH EXPERIENCE Albert Wiegman (NETHERLANDS)	567
1350 – 1410	HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA Frederick Raal (SOUTH AFRICA)	568
1410 – 1430	FAMILIAL HYPERCHOLESTEROLAEMIA – THE AUSTRALIAN MODEL OF CARE John Coakley (AUSTRALIA)	569
1430 – 1500	DISCUSSION	

A Global MSD* Sponsored Scientific Symposium – High Risk Cardiovascular Patients: Implications of Recent Cholesterol Lowering Trials

Chair: Virgil Brown (USA)

TIME		abstract #
1330 – 1335	Chair Welcome and Opening Remarks Virgil Brown (USA)	
1335 – 1355	THE RISK OF CARDIOVASCULAR EVENTS IN PATIENTS WITH CKD Richard Grimm (USA)	
1355 – 1415	RECENT STUDIES EVALUATING THE EFFECT OF CHOLESTEROL LOWERING IN PATIENTS WITH CKD Christina Reith (UK)	
1415 – 1435	THERAPEUTIC OPTIONS BASED ON RECENT AND EVOLVING GUIDELINES William Keane (USA)	
1435 – 1455	Round Table and Q&A	
1455 – 1500	Closing Remarks Virgil Brown (USA)	

*Sponsored as a service to medicine by Merck Sharp & Dohme, Whitehouse Station, NJ, USA

Asia Pacific Society of Atherosclerosis and Vascular Diseases – PAD

Chairs: Edward Janus (AUSTRALIA), Jeong Euy Park (KOREA, SOUTH)

TIME		abstract #
1300 – 1330	PECULIAR PATTERNS IN DIAGNOSIS AND MANAGEMENT OF PAD IN THE A-P REGION--FOCUSED ON MULTIDISCIPLINARY APPROACH Seung Woon Rha (KOREA, SOUTH)	571
1330 – 1400	NANOTECHNOLOGY-BASED ENDOTHELIAL CELL-SELECTIVE DELIVERY OF PITAVASTATIN FOR THERAPEUTIC ARTERIOGENESIS IN CRITICAL LIMB ISCHEMIA Kensuke Egashira (JAPAN)	572
1400 – 1430	HIGH PREVALENCE OF TRIPLE LINE PATTERN IN ARTERIAL WALL OF LOWER EXTREMITIES IN YOUNG PATIENTS WITH TYPE 1 DIABETES Ta-Chen Su (TAIWAN)	573
1430 – 1500	DISCUSSION	

Targeting Dyslipidaemia – Emerging Opportunities to Improve Management of Cardiovascular Risk

EBAC accredited educational program supported by an unrestricted grant provided by AstraZeneca

Chairs: Philip Barter (AUSTRALIA), John Chapman (FRANCE)

TIME		abstract #
1330 – 1335	INTRODUCTIONS	
1335 – 1350	HIGH RISK PATIENTS –TREATMENT CHALLENGES IN CLINICAL PRACTICE Wolfgang Koenig (FRANCE)	574
1400 – 1415	NOVEL STRATEGIES FOR EFFECTIVELY RAISING HDL-C Philip Barter (AUSTRALIA)	575
1425 – 1440	IMPROVING PATIENT MANAGEMENT – HOW IMPLEMENTATION OF THE LATEST GUIDELINES WILL HELP Andrew Tonkin (AUSTRALIA)	576
1440 – 1500	DISCUSSION	

This symposium explores opportunities for reducing CVD burden by improving dyslipidaemia management. Presentations will include a discussion of barriers to effective CVD risk management in high-risk patients and the potential of raising HDL-C for reducing CVD risk. Strategies for implementing the ESC/EAS guidelines and their possible impact will also be explored.

Nutrition and Fat

TIME		abstract #
1330 – 1430	Speakers: Peter Clifton (AUSTRALIA) and Penny Kris-Etherton (USA)	

Peter Clifton (Past-President Australian Atherosclerosis Society) and Penny Kris-Etherton (President National Lipid Association) will present a stimulating and informative discussion on fat. BYO fries!

Abbott Symposium: Prescription Omega 3s: Why, where, and how to use them in clinical practice

Chair: **Paul Nestel** (AUSTRALIA)

TIME		abstract #
1330 – 1410	REVIEW OF CLINICAL EVIDENCE WITH OMEGA-3 ETHYL ESTERS Dan Gaita (ROMANIA)	577
1410 – 1450	DIFFERENCES BETWEEN OMEGA 3 PREPARATIONS AND SPECIFIC BENEFITS OF THE ETHYL ESTER FORMULATION Heinz Rupp (GERMANY)	578
1450 – 1500	DISCUSSION	

Join International guest speakers Professors Dan Gaita and Heinz Rupp as they discuss the clinical evidence with omega-3 fatty acids, explore the significant differences between the available preparations, and provide expert advice on the role of prescription omega-3s in contemporary clinical practice for Post Myocardial Infarction and Hypertiglyceridaemia patients.

Workshop 31 – Atherosclerosis and Atherosclerotic Lesion Development

Chairs: Roland Stocker (AUSTRALIA), Terri Allen (AUSTRALIA)

TIME		abstract #
1530 – 1600	ROLE OF INFLAMMATION IN THE DEVELOPMENT AND PROGRESSION OF ATHEROSCLEROSIS Jonathan Brown (USA)	579
1600 – 1630	PROTECTIVE EFFECTS OF HEME OXYGENASE-1 AGAINST ATHEROSCLEROSIS Roland Stocker (AUSTRALIA)	580
1630 – 1645	CORONARY ARTERY CALCIFICATION IS NOT UNCOMMON AMONG APPARENTLY HEALTHY JAPANESE MEN AND WOMEN Akira Fujiyoshi (JAPAN), Takashi Kadowaki, Tomonori Okamura, Hiroshi Maegawa, Minoru Horie, Kiyoshi Murata, Atsunori Kashiwagi, Toru Kita, Hirotsugu Ueshima, Sayaka Kadowaki, Katsuyuki Miura, Takashi Yamam, Takashi Yamam	581
1645 – 1700	LOCAL AUTO-AMPLIFICATION OF CORTISOL ACTIONS IN HUMAN CAROTID ATHEROMA IS IN LINK WITH ARTERIAL REMODELING AND STROKE Giampiero Bricca (FRANCE), HanÃne Ayari, Pierre Lantelme, Patrick Feugier, Jacques Randon, Catherine Cerutti, Jean-Yves Scoazec, jacques-Yuan Li, Jouda Gharbi-Chihi, Liliana Legedz	582

Workshop 32 – A Cell Biology Approach to Atheroma Development

Chairs: **Miranda Van Eck** (NETHERLANDS), **Judy de Haan** (AUSTRALIA)

TIME		abstract #
1530 – 1600	ABCA1, SR-BI AND ATHEROSCLEROTIC LESION DEVELOPMENT Miranda Van Eck (NETHERLANDS), Ying Zhao, Marieke Pennings, Reeni B. Hildebrand, Theo Van Berkel	583
1600 – 1630	ABCA12 – A NEW REGULATOR OF CHOLESTEROL HOMEOSTASIS IN MACROPHAGES Dmitri Sviridov (AUSTRALIA), Ying Fu, Nigora Mukhamedova, Sally Ip, Wilissa D'Souza, Katya J. Henley, Tia DiTommaso, Lynelle Jones, Rachael M. Lane, Garry Jennings, Ian Smyth, Benjamin T. Kile, Benjamin T. Kile	584
1630 – 1645	MAJOR ROLE OF PERICYTES IN THE CALCIFICATION OF ATHEROMATOUS ARTERIES Gilles Lambert (FRANCE), Jimmy Davaine, Regis Brion, Marie Françoise Heymann, Fanny Herisson, Dominique Heymann, Yann Goueffic	585
1645 – 1700	ACTIVATION OF THE RAAS MEDIATES THE EFFECTS OF DIETARY SALT INTAKE ON ATHEROGENESIS IN APOE KO MICE Merlin Thomas (AUSTRALIA), Raelene Pickering, Despina Tsoortes, Olivier Huet, Jaye Chin-Dusting, Chris Tikellis	586
1700 – 1715	STABILIZATION OF ATHEROSCLEROTIC PLAQUES BY CXCL12-INDUCED MOBILIZATION OF SMOOTH MUSCLE PROGENITOR CELLS Shamima Akhtar (GERMANY), Felix Gremse, Fabian Kiessling, Christian Weber, Andreas Schober	587
1715 – 1730	THE ASSOCIATION OF SERUM BILIRUBIN AND PROMOTER VARIATIONS IN UGT1A1 WITH ATHEROSCLEROSIS Libor Vitek (CZECH REPUBLIC), Alena Jiraskova, Helena Smidova, Gabriela Dostalova, Jan Belohlavek, Lenka Kadickova, Ales Linhart	588

IAS General Assembly

Workshop 34: Diabetes and atherosclerosis

Chair: Prakash Deedwania (USA) and Alan Chait (USA)

TIME		abstract #
1530 – 1600	ROLE OF LIPIDS IN DIABETES ASSOCIATED ATHEROSCLEROSIS Alan Chait (USA)	524
1600 – 1630	DIABETIC ATHEROSCLEROSIS: A MECHANISTIC VIEW Merlin Thomas (AUSTRALIA)	525
1630 – 1645	NONFASTING GLUCOSE AND ISCHEMIC HEART DISEASE – A MENDELIAN RANDOMIZATION STUDY Marianne Benn (DENMARK), Anne Tybjaerg-Hansen, Mark I. McCarthy, Gorm B. Jensen, Peer Grande, Børge G Nordestgaard	526
1645 – 1700	THE STIMULATORY EFFECT OF INSULIN ON GLUCOSE UPTAKE BY MUSCLE INVOLVES THE CENTRAL NERVOUS SYSTEM IN INSULINSENSITIVE MICE Patrick C.N. Rensen (NETHERLANDS), Claudia P. Coomans, Nienke R. Biermasz, Janine J. Geerling, Bruno Guigas, Louis M. Havekes, Johannes A. Romijn	527
1700 – 1715	CCR5 ABLATION PREVENTS INSULIN RESISTANCE INDUCED BY HIGH-FAT FEEDING OR LEPTIN DEFICIENCY Tsuguhito Ota (JAPAN), Hironori Kitade, Kazuki Sawamoto, Hiroshi Inoue, Toshinari Takamura, Naofumi Mukaida, Shuichi Kaneko	528

Workshop 35 – Pathophysiological Aspects of Macrophage Biology and Oxidative Stress

Chairs: Jay Heinecke (USA), Trevor Mori (AUSTRALIA)

TIME		abstract #
1530 – 1600	<p>DIETARY CHOLESTEROL PROMOTES INDUCIBLE NITRIC OXIDE SYNTHASE EXPRESSION BY MYELOID CELLS, INSULIN RESISTANCE AND HEPATIC STEATOSIS</p> <p>Jay Heinecke (USA), Ning-Chun Liu</p>	596
1600 – 1630	<p>IDENTIFICATION OF BIOMARKERS OF OXIDATIVE STRESS</p> <p>Kevin Croft (AUSTRALIA)</p>	597
1630 – 1645	<p>M-CSF DIFFERENTIATED MURINE BONE MARROW-DERIVED MACROPHAGE MACROPINOCYTOSIS OF LDL CAUSING FOAM CELL FORMATION</p> <p>Howard Kruth (USA), Manoj Barthwal, Joshua Anzinger, Thomas Bohnacker, Matthias Wymann</p>	598
1645 – 1700	<p>LDL AGGREGATED BY SPHINGOMYELINASE IS INTERNALISED BY MACROPHAGES AND OXIDISED IN LYSOSOMES</p> <p>Yichuan Wen (UNITED KINGDOM), Trevor Gibson, Peter Weinberg, David Leake</p>	599
1700 – 1715	<p>PEROXIREDOXIN-1/THIOREDOXIN LEVELS ARE ASSOCIATED TO INTIMA MEDIA THICKNESS AND NADPH OXIDASE ACTIVITY IN SUBJECTS WITH SUBCLINICAL ATHEROSCLEROSIS</p> <p>Jose Luis Martin-Ventura (SPAIN), Julio Madrigal-Matute, Luis Miguel Blanco-Colio, Ana Fortuño, Roxana Martinez-Pinna, Priscila Ramos-Mozo, Jesus Egido, Guillermo Zalba</p>	600
1715 – 1730	<p>A TECHNOLOGICALLY DESIGNED DAIRY-FAT IMPROVED THE ATHEROGENIC OUTCOME IN HAMSTER AND IS RELATED TO A SPECIFIC METABOLOMIC SIGNATURE</p> <p>Jean-Charles Martin (FRANCE), Daniel Dalemans, Bernard Poullain, Bernadette Delplanque</p>	601

Workshop 36 – Adipocyte biology/Familial hypercholesterolemia

Chairs: Linda Curtiss (USA) and Theodore Mazzone (USA)

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THURSDAY PROGRAM

830 – 1030

THURSDAY 29 MARCH 2012

BAYSIDE AUDITORIUM B

Plenary Session 4 – Visceral/Ectopic Fat: The Next Target for CVD Prevention

Chairs: Philip Barter (AUSTRALIA), Jean-Pierre Després (CANADA)

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900 – 930	VISCERAL OBESITY AND CARDIOMETABOLIC RISK: THE JAPANESE PERSPECTIVE Iichiro Shimomura (JAPAN), Tohru Funahashi, Yuji Matsuzawa	758
930 – 1000	LIVER FAT AS A KEY FEATURE OF ECTOPIC FAT AND THE ATHEROGENIC DYSLIPIDEMIA Marja-riitta Taskinen (FINLAND)	759
1000 – 1030	HEALTHY DRINKING: AN IMPORTANT COMPONENT OF HEALTHY EATING Frank Hu (USA)	760

Workshop 37 – Treatment Targets for Atherosclerosis Prevention/Familial Hypercholesterolemia

Chairs: Ernst Schaefer (USA), Edward Janus (AUSTRALIA)

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1130 – 1200	OMEGA-3 FATTY ACIDS AND ISOPROSTANES IN CARDIOVASCULAR DISEASE Trevor Mori (AUSTRALIA)	277
1200 – 1215	DETECTING FAMILIAL HYPERCHOLESTEROLAEMIA IN A COMMUNITY BASED POPULATION: PHENOTYPIC PREDICTORS OF COMMON MUTATIONS Gerald Watts (AUSTRALIA), Børge Nordestgaard, Anne Tybjærg-Hansen, Marianne Benn	278
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1230 – 1245	SELF-REPORTED PREVALENCE OF CARDIOMETABOLIC DISEASE AND TREATMENT SEEKING BEHAVIOUR IN A COUNTRY IN EPIDEMIOLOGICAL TRANSITION: CROSS-SECTIONAL DATA FROM A HEALTH DEMOGRAPHIC SURVEILLANCE STUDY (HDSS) SITE IN NEPAL Abhinav Vaidya (NEPAL), Umesh Raj Aryal, Alexandra Krettek	280
1245 – 1300	PROTECTIVE EFFECT OF L-ARGININE IN EXPERIMENTALLY INDUCED MYOCARDIAL ISCHEMIA: COMPARISON WITH ASPIRIN Alaaeldin Saleh (QATAR), Sahar Abdel Maksoud, Shohda El-Maraghy, Mohamed Gad	281

Workshop 38 – Triglyceride-rich Lipoproteins/Risk Factors

Chairs: Børge G Nordestgaard (DENMARK), Hugh Barrett (AUSTRALIA)

TIME		abstract #
1100 – 1130	TRIGLYCERIDES AND RISK FACTORS FOR CVD FROM EPIDEMIOLOGICAL PERSPECTIVE Børge G Nordestgaard (DENMARK)	767
1130 – 1200	GENETIC VARIATION IN APOA5 ASSOCIATES WITH STEPWISE INCREASES IN PLASMA TRIGLYCERIDES AND RISK OF MYOCARDIAL INFARCTION IN 58,000 INDIVIDUALS. Anne Tybjaerg-Hansen (DENMARK), Anders Berg Jørgensen, Ruth Frikke-Schmidt, Anders Sode West, Peer Grande, Børge G. Nordestgaard	768
1200 – 1215	NON HIGH-DENSITY LIPOPROTEIN CHOLESTEROL, LOW-DENSITY LIPOPROTEIN CHOLESTEROL AND APOLIPOPROTEIN B; RISK OF CORONARY HEART DISEASE RISK AMONG APPARENTLY HEALTHY MEN AND WOMEN Kees Hovingh (NETHERLANDS), Brigitte Sondermeijer, Jamal Rana, Benoit Arsenault, Prediman Shah, John Kastelein, Nicholas Wareham, Matthijs Boekholdt, Kay-Tee Khaw	769
1215 – 1230	GENETIC STUDIES OF PROXIMAL INFLAMMATORY PATHWAYS AND CORONARY HEART DISEASE RISK Daniel Freitag (UNITED KINGDOM), Nadeem Sarwar, Adam S Butterworth, John Gregson, Peter Willeit, Pei Gao, Danish Saleheen, Stephen Kaptoge, Emanuele Di Angelantonio, John Danesh	770
1230 – 1245	APO E4 AND LP-PLA2 SYNERGISTICALLY INCREASE CARDIOVASCULAR RISK Lars Berglund (UNITED STATES OF AMERICA), Erdembileg Anuurad, Zeynep Gungor, Byambaa Enkhmaa, Wei Zhang, Kyoungmi Kim	771
1245 – 1300	EFFECT OF VERY-LOW-DENSITY LIPOPROTEIN (VLDL) RECEPTOR ON PLASMA TRIGLYCERIDE AND THE INCREASED VLDL RECEPTOR EXPRESSION BY HIGH DOSE STATIN, LOW FAT AND LOW GLUCOSE Michiko Imagawa (JAPAN), Sadao Takahashi, Yasuo Zenimaru, Mai Ichikawa, Satsuki Sato, Jinya Suzuki, Isamu Miyamori, Takamitsu Nakano, Katsuyuki Nakajima	772

Workshop 39 – Cell Biology of Atherosclerosis

Chairs: Merlin Thomas (AUSTRALIA), Ban-Hock Toh (AUSTRALIA)

TIME		abstract #
1100 – 1130	ATHEROSCLEROSIS AS AN AUTOIMMUNE DISEASE Ban-Hock Toh (AUSTRALIA)	773
1130 – 1145	LDL AND HDL COUNTERACT HEMATOPOIETIC STEM/PROGENITOR CELLS IN REGULATION OF INFLAMMATION AND ATHEROSCLEROSIS Yingmei Feng (BELGIUM), Sarah Schoutenden, Minni Geeraert, Rachel Geenens, Vik Van Duppen, Thomas Vanwelden, Paul Herijgers, Paul Holvoet, Paul Van Veldhoven, Catherine Verfaillie	774
1145 – 1200	DIET-INDUCED (EPIGENETIC) CHANGES IN BONE MARROW AUGMENT ATHEROSCLEROSIS Erik Van Kampen (NETHERLANDS), Vanessa Frodermann, Armand Jaminon, Johan Kuijper, Theo van Berkel, Miranda van Eck	775
1200 – 1215	EFFECT OF GLYCATED LDL ON MONOCYTE ADHESION ON SURFACE OF CULTURED VASCULAR ENDOTHELIAL CELLS AND ROLE OF PLASMINOGEN ACTIVATOR INHIBITOR-1 Garry Shen (CANADA), Ruozhi Zhao	776
1215 – 1230	CELL CYCLE ACTIVATION AND MIGRATION INDUCED BY SUBLYTIC C5B-9 IN ENDOTHELIAL CELLS IS RGC-32 DEPENDENT. Cosmin Tegla (USA), Cornelia Cudrici, Takahiro Ito, Kateryna Soloviova, Violeta Rus, Florin Niculescu, Horea Rus	777
1230 – 1245	M-CALPAIN IS INDUCED IN VASCULAR ENDOTHELIAL CELLS ON HUMAN AND MOUSE ATHEROMAS AND ACCELERATES ATHEROSCLEROTIC LESION DEVELOPMENT THROUGH PROTEOLYTIC DISORGANIZATION OF VE-CADHERIN Takuro Miyazaki (JAPAN), Yoshitaka Taketomi, Masafumi Takimoto, Hidekazu Ota, Makoto Murakami, Akira Miyazaki	778
1245 – 1300	PLASMONIC PHOTOTHERMAL AND STEM CELL THERAPY OF ATHEROSCLEROSIS Alexander Kharlamov (RUSSIA), Alexander Perrish, Jan Gabinsky	779

Workshop 40 – Dietary Interventions and Atherosclerosis: Where Do We Stand?

Chairs: Richard Deckelbaum (USA), Peter Clifton (AUSTRALIA)

TIME		abstract #
1100 – 1130	OMEGA-3 FATTY ACIDS: UNDERLYING MECHANISMS FOR 'PROTECTION' IN LIVER, HEART, AND BRAIN Richard Deckelbaum (USA), Liz C Chang, Jill J. Williams, Vadim S. Ten, Ravichandran Ramasamy	780
1130 – 1200	THE ROLE OF NUTRITION IN CARDIOVASCULAR DISEASE Peter Clifton (AUSTRALIA)	781
1200 – 1215	EFFECTS OF THERAPEUTIC LIFESTYLE CHANGE/STEP 2 DIETS HIGH AND LOW IN DIETARY FISH-DERIVED FATTY ACIDS ON LIPOPROTEIN METABOLISM IN MODERATELY HYPERCHOLESTEROLEMIC MIDDLE-AGED AND ELDERLY SUBJECTS Esther Ooi (UNITED STATES OF AMERICA), Alice Lichtenstein, John Millar, Margaret Diffenderfer, Stefania Lamon-Fava, Helen Rasmussen, Francine Welty, Hugh Barrett, Ernst Schaefer	782
1215 – 1230	GRAPE VEIN POLYPHENOL INHIBITS POSTPRANDIAL VASCULAR INFLAMMATION IN HEALTHY SUBJECTS Mariko Tani (JAPAN), Yoshimi Kishimoto, Emi Saita, Maki Iizuka, Miku Toyozaki, Tetsuya Hirai, Kazuo Kondo	783
1230 – 1245	PLASMA PLANT STEROL CONCENTRATIONS ARE INVALID MARKERS OF INTESTINAL CHOLESTEROL ABSORPTION IN HUMANS Lily Jakulj (NETHERLANDS), Theo van Dijk, Hussein Mohammed, Scott Turner, Albert Groen, Maud Vissers, Erik Stroes	784
1245 – 1300	EFFECTS OF UNSATURATED FATTY ACIDS FROM FISH, PISTACHIOS, AND WALNUTS ON HEMODYNAMIC REACTIVITY TO STRESS: CLINICAL TRIALS IN ADULTS WITH DYSLIPIDEMIA Sheila West (UNITED STATES OF AMERICA), Sarah K Gebauer, Colin D. Kay, Ann C. Skulas-Ray, Penny M. Kris-Etherton	785

Workshop 41 – New Therapeutic Targets for Preventing Cardiovascular Disease

Chairs: Elliot Chaikof (USA), Karlheinz Peter (AUSTRALIA)

TIME		abstract #
1100 – 1130	ROLE OF SYNDECAN-1 IN ANEURYSMAL DISEASE Elliot Chaikof (USA)	786
1130 – 1200	MOLECULAR IMAGING TOWARD THE DETECTION OF VULNERABLE PLAQUES USING VARIOUS IMAGING MODALITIES Karlheinz Peter (AUSTRALIA)	787
1200 – 1215	PALM TOCOTRIENOL-ENRICHED MIXED FRACTION SUPPLEMENTATION PREVENTS PLAQUE INSTABILITY IN SEVERE ATHEROSCLEROSIS OF HYPERCHOLESTEROLEMIC RABBITS Nurul Aishah Muhammad (MALAYSIA), Effat Omar, Hapizah Nawawi	788
1215 – 1230	HIGH-DENSITY LIPOPROTEINS SUPPRESS CHEMOKINE EXPRESSION AND PROLIFERATION IN HUMAN VASCULAR SMOOTH MUSCLE CELLS Christina Bursill (AUSTRALIA), Emiel van der Vorst, Louise Dunn, Hamish Prosser, Laura Vanags, Kerry Rye	789
1230 – 1245	LONG-TERM SAFETY AND EFFICACY OF MIPOMERSEN IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA NOT CONTROLLED BY MAXIMALLY TOLERATED LIPID LOWERING THERAPY Raul Santos (BRAZIL), Bart Duell, Cara East, John Guyton, Patrick Moriarty, Joanne Donovan, Robert Mittleman	790

Workshop 42 – Cholesterol Metabolism: An update

Chairs: **Vesa Olkkonen** (FINLAND), **Albert Groen** (NETHERLANDS)

TIME		abstract #
1100 – 1130	OXYSTEROL BINDING PROTEINS AND ATHEROSCLEROSIS DEVELOPMENT Vesa Olkkonen (FINLAND), Olivier Béaslas, Erik Van Kampen, Reeni B. Hildebrand, Terhi Vihervaara, Eija Nissilä, Yuki Ohsaki, Julia Perttilä, You Zhou, Daoguang Yan, Matti Jauhiainen, Elina Ikonen, Elina Ikonen, Miranda Van Eck	791
1130 – 1200	CONTROLLING CHOLESTEROL SYNTHESIS BEYOND HMG-COA REDUCTASE Andrew Brown (AUSTRALIA), Saloni Gill, Julian Stevenson, Ika Kristiana, Eser Zerenturk, Laura J. Sharpe	792
1200 – 1215	INTRACELLULAR CHOLESTEROL ACCUMULATION INHIBITS SECRETION OF APOLIPOPROTEIN E Maaïke Kockx (AUSTRALIA), Kathlen Huang, Wendy Jessup, Andrew Brown, Leonard Kritharides	793
1215 – 1230	CHOLESTEROL THROUGH THE LOOKING GLASS: ABILITY OF ITS ENANTIOMER TO ELICIT HOMEOSTATIC RESPONSES Ika Kristiana (AUSTRALIA), Winnie Luu, Julian Stevenson, Sian Cartland, Wendy Jessup, Jitendra Belani, Scott Rychnovsky, Andrew Brown	794
1230 – 1245	EFFECT OF STEROL 27-HYDROXYLASE EXPRESSION ON ATHEROSCLEROSIS DEVELOPMENT IN APOE KNOCKOUT MICE Curzio Solca (SWITZERLAND), Isabelle Vögeli, Line Zurkinden, Daniel Ackermann, Sandra Erickson, Felix Frey, Dmitri Sviridov, Geneviève Escher	796