



**EVGN Meeting**  
Nov. 24 – 27 2008  
Bad Hofgastein, Austria  
**Preliminary schedule**



## Monday, November 24th

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12.00 Registration desk opens – Hall & Foyer

14.00 Posters erected – Foyer and Rondo

**15.00 – 17.00 EVGN Executive Committee Meeting – Conference Room**

16:00 Opening coffee

**18.00 Opening Plenary Session – Plenary Room**

**18.15 Opening Keynote Lecture**

Christopher K. Glass (University of California, San Diego, USA)

*Genome-wide analysis of transcription factors that regulate macrophage development and function*

19.30 – 22.00 Drinks and dinner reception

## Tuesday, November 25th

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8.00 Breakfast – at hotels

8.30 Registration opens – Hall

**9.00 – 10.30 Plenary lectures I: Angiogenesis: from bench to bedside**

**Plenary Room**

Chairperson: Bradford Berk (Rochester, USA)

08.30 Elisabetta Dejana, (Milan, IT)

*The role of "Wnt signalling in vascular development*

09.00 Stefanie Dimmeler (Frankfurt, DE)

*Regulation and function of MicroRNAs in neovascularization*

09.30 Paolo Madeddu (Bristol, UK)

*Diabetes-induced microangiopathy impairs bone marrow homeostasis"*

10.00 Brant M. Weinstein (Bethesda, USA)

*Studying vascular development and disease using the zebrafish*

10.30 Refreshment break – Foyer

## 11.00 – 12.30 Workshops 1-2 – Plenary Room, Seminar Room, Club Room

### Workshop session 1 - room “Hampl/Paracelsus”:

#### Oxidative stress signalling pathways

**Chairpersons:** James Leiper (London, UK)

- 11.00-11.30 Redox sensitive metabolism of endogenous inhibitors of nitric oxide synthesis, **James Leiper**, London UK
- 11.30-11.50 Nrf3 Mediates Stem Cell differentiation into Smooth Muscle Cells through Regulation of ROS Balance and Pla2G7 Production - **Anna Elena Pepe**, London UK
- 11.50-12.10 Infection with *Chlamydia pneumoniae* Induces a Pronounced Pro-inflammatory Phenotype in HUVEC via Induction of a Pro-Oxidative State – **Georg Wick**, Innsbruck AU
- 12.10-12.30 Angiotensin II and reactive oxygen species inactivate eNOS through phosphorylation on tyrosine 657 – **Beate Fisslthaler**, Frankfurt DE

### Workshop session 2 - room “Menzel/Waggerl”:

**Chairpersons:** Alain Tedgui (Paris, FR)/Georg Wick (Innsbruck, AU)

- 11.00-11.30 Cigarette smoke is an endothelial stressor and leads to cell cycle arrest - **Georg Wick**, Innsbruck AU
- 11.30-11.45 Cytokines/Chemokines Differentiation Pattern of Patients with ST-Elevation Myocardial Infarction (STEMI) Associated with High Levels of circulating IL-6; **Enrico Ammirati**, Milan IT
- 11.45-12.00 Deficiency of TGF-6; signaling in CD11c positive cells accelerates atherosclerosis by inducing T-cell influx; **Dirk Lievens**, Maastricht NL
- 12.00-12.15 Continuous subcutaneous delivery of apoB-derived peptides decreases T cell response and reduces the progression of established atherosclerosis in mice; **Olivier Herbin**, Paris FR
- 12.15-12.30 Activating NK cell receptor crucially involved in modulating arteriogenesis; **Leonard Seghers**, Amsterdam NL

12.30 Lunch in the Hotel Palace

16.00 Refreshment break – Foyer

16.00 – 18.00 Poster Session – Rondo, Foyer

## 18.00 – 19.30 Workshops 3-5 – Plenary Room, Seminar Room, Club Room

### Workshop session 3 - room “Seminarraum”:

**Chairpersons:** Chantal Boulanger (Paris, FR)/Bernd R. Binder (Vienna, AU)

- 18.00-18.30 Microparticules and atherothrombosis; **Bernd Binder**, Vienna AU
- 18.30-18.50 Shear stress modulates endothelial microparticles shedding; **Bhama Ramkhelawon**, Paris FR
- 18.50-19.10 Circulating microparticles express oxidation-specific epitopes that are recognized by natural IgM antibodies; **Christoph Binder**, Vienna AU
- 19.10-19.30 Red blood cells derived microparticles are thrombogenic in vitro and in mouse models in vivo; **Christoph Binder**, Vienna AU

#### Workshop session 4 - room "Hampl/Paracelsus": **Plaque stability**

**Chairperson:** Martin Bennett (Cambridge, UK)

- 18.00-18.25 Hypoxia, plaque microvessels and plaque instability; **Mat Daemen** or nominee, Maastricht NL
- 18.25-18.50 DNA damage in atherosclerosis - a new therapeutic target for plaque stabilisation?; **Martin Bennett** or nominee, Cambridge UK
- 18.50-19.10 Effects of thrombin inhibition on plaque stability; **Ulrike Benbow**, Bristol UK
- 19.10-19.30 CCL3 and CCL18: prognostic factors in acute coronary syndromes and modulators of plaque progression; **Saskia de Jager**, Leiden NL

#### Workshop session 5 - room "Menzel/Waggerl":

##### **Endothelial precursor cells and stem cells**

**Chairperson:** Cécile Dupl a (Bordeaux, FR)

- 18.00-18.15 The transcriptome of circulating CD34+ cells reveals loss of their na ve signature in Coronary Artery Disease Patients, **Tineke van der Pouw Kraan**, Amsterdam NL
- 18.15-18.30 Pro-angiogenic cells are recruited by migration towards bradykinin in vitro and in vivo, **Nicolle Kraenkel**, Bristol UK
- 18.30-18.45 VEGF and AMD3100-induced rapid mobilization of bone marrow progenitor cells and neutrophils are impaired in urokinase (uPA) and in urokinase receptor (uPAR) deficient mice; **Mohammad Dehghani**, Vienna AU
- 18.45-19.00 Heme oxygenase-1 improves neovascularisation and functions of endothelial progenitor cells; **Jozef Dulak**, Krakow PL
- 19.00-19.15 Endothelial progenitor cells (EPC) significantly contribute to neovascularization and endothelial regeneration.; **Carmen Urbich**, Frankfurt DE

**20.00 – 23.00 Gala Dinner - Kursalon**

## Wednesday, November 26th

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07.30 – 08.30 Breakfast at Hotels

08.30 Registration opens - Hall

### **09.00 – 10.30 Plenary lectures II **Functional Genomics of atherosclerosis****

#### **Plenary Room**

Chairperson: Andrew C. Newby (Bristol, UK)

09.00 Anton J.G. Horrevoets (Amsterdam, NL)

*Vascular transcriptional and signaling modules in biomechanics and inflammatory remodeling*

09.30 Gerard Pasterkamp (Utrecht, NL)

*Biomarkers and the search for patients suffering from "malignant" atherosclerotic disease*

10.00 Mat Daemen (Maastricht, NL)

*Mechanisms and Imaging of plaque rupture*

10.30 Refreshment break – Foyer

## 11.00 – 12.30 Workshops 6-8 – Plenary Room, Seminar Room, Club Room

### Workshop session 6 - room "Hampl/Paracelsus": **Monocyte subsets**

**Chairpersons:** Ziad Mallat (Paris, FR) /Eric Biessen (Maastricht, NL)

- 11.00-11.25 S1P signaling and macrophage polarization; **Erik Biessen**; Maastricht
- 11.25-11.40 Modulation of macrophage activation state protects tissue from necrosis during critical limb ischemia in thrombospondin-1-deficient mice; **Stephane Germain**, Paris
- 11.45-12.05 Regulation of matrix metalloproteinase expression in macrophages in response to cytokines and oxidised-LDL; **Graciela Sala-Newby**, Bristol
- 12.05-12.30 Chemotaxis of monocyte subsets in atherosclerosis, **Christian Weber**; Aachen

### Workshop session 7 - room "Menzel/Waggener": **Endothelial Dysfunction**

**Chairpersons:** Ingrid Fleming (Frankfurt, DE)/Francois Alhenc-Gelas (Paris, FR)

- 11.00-11.25 Investigating the response of endothelial cells to elevated shear stress; **Stephen White**, Bristol UK
- 11.25-11.40 Histone Deacetylase 7 Controls Endothelial Cell Growth through Stabilisation of b-Catenin; **Andriana Margariti**, London UK
- 11.45-12.05 XBP1 induces atherosclerosis through modulation of VE-cadherin; **Lingfang Zeng**, London UK
- 12.05-12.30 Critical Role of Angiotensin Converting Enzyme Level in Myocardial Ischemia-Reperfusion Injury Revealed by Gene Titration in the Mouse; **Francois Alhenc-Gelas**, Paris FR

### Workshop session 8 - room "Seminarraum": **Smooth muscle cells**

**Chairpersons:** Sarah J. George (Bristol, UK) /Stephanie Lehoux (Montreal, CA)

- 11.00-11.15 The acute hypoxic pulmonary vasoconstrictor response and pulmonary artery pressure are modified by the soluble epoxide hydrolase and epoxyeicosatrienoic acids; **Ingrid Fleming**, Frankfurt DE
- 11.15-11.30 Regulation of intimal thickening by the wnt/beta-catenin pathway; **Aikaterini Tsaousi**, Bristol UK
- 11.30-11.45 Inhibition of smooth muscle cell migration and proliferation with soluble n-cadherin, **Cressida Lyon**, Bristol UK
- 11.45-12.00 Role of PRG-1, a neuronal phospholipid phosphatase, in the function of vascular smooth muscle cells; **Amira Gaaya**, Paris FR
- 12.00-12.15 Identification of an ideal drug that inhibits restenosis without affecting endothelialisation; **Takeshi Fujisawa**, Birmingham UK
- 12.15-12.30 Embryonic Stem Cell Differentiation into Smooth Muscle Cells is Mediated by Nox4-Produced H<sub>2</sub>O<sub>2</sub>; **Anna Elena Pepe**, London UK

12.30 Lunch in the Hotel Palace

13.30 – free

18.30 – 20h30 **Poster session + Refreshment (Wine & Cheese) – Foyer, Rondo, Hall**

## Thursday, November 27<sup>th</sup>

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07.30 – 08.30 Breakfast at Hotels

08.30 – 09.00 Posters can be removed from Foyer

### 09.00 – 10.30 Plenary lectures III: **Emerging mechanism of Plaque rupture** – Plenary Room

Chairperson: Bernard Swynghedauw, Paris FR

09.00 Andrew C. Newby (Bristol, UK)

*Metalloproteinases, macrophage phenotypes and plaque vulnerability*

09.30 Frederic Geissmann, London UK;

10.00 Erling Falk (Aarhus DN)

*Cap Rupture: Getting to the Core of the Matter*

10.30 Refreshment break – Foyer

### 11.00 – 12.30 Workshops 9-11 (duration: 90 mins) Plenary Room, Seminar Room, Club Room (depending on audience size for each session)

#### Workshop session 9 - room “Menzel/Waggerl”:

##### **Stem cells & gene therapy: Preclinical & Clinical studies**

**Chairperson:** Seppo Yla-Herttuala (Kuopio, FL)

- 11h25-11h50 Gene therapy in cardiovascular disease, **Seppo Yla-Herttuala**, Kuopio FL
- 11h50-12h10 Nerve Growth Factor Exerts Protective and Regenerative Actions on the post-Infarcted Heart; **Marco Meloni**, Bristol UK
- 12h10-12h30 Hypoxic preconditioning of murine mesenchymal stem cells maximizes their therapeutic potential via a Wnt dependent mechanism; **Cécile Duplàa**, Bordeaux FR

#### Workshop session 10 - room “Seminarraum”:

**Chairpersons:** Carlie de Vries (Amsterdam, NL)/ Bart Staels (Lille, FR)

- 11.00-11.30 Bart Staels Role of PPARalpha in cardiovascular disease, Lille FR
- 11.30-11.45 Nuclear receptor Nurr1 protective in in-stent restenosis; **Claudia Van Tiel**, Amsterdam NL
- 11.45-12.00 The transactivating function of estrogen receptor alpha is dispensable in the vasculoprotective actions of 17<sup>β</sup>-ESTRADIOL; **Coralie Fontaine**, Toulouse FR
- 12.00-12.15 ISG12 influences activity of nuclear receptors and thereby modulates the vascular response to injury - **Nikolina Papac**, Vienna AU
- 12.15-12.30 Prevention of skin flap necrosis by estradiol involves reperfusion of a protected vascular network; **Françoise Lenfant**, Toulouse FR

Workshop session **11** - room "Hampl/Paracelsus": **Proteomics and lipidomics**

**Chairpersons:** Erik Biessen (Maastricht, NL)/ Manuel Mayr (London, UK)

- 11h00-11h30 Metabolic Homeostasis is Maintained during Myocardial Hibernation by Adaptive Changes in the Transcriptome and Proteome; **Manuel Mayr** , London UK
- 11h30-11h50 Proteomic analysis reveals presence of platelet microparticles in endothelial progenitor cell cultures; **Marianna Prokopi**, London UK
- 11h50-12h10 Proteomics Identifies Thymidine Phosphorylase as a Key Regulator of the Angiogenic Potential of Colony-forming Units and Endothelial Progenitor Cell Cultures; **Manuel Mayr**, London UK
- 12h10-12h30 Lipidomic cartography of mouse atherosclerotic plaques by cluster-TOF-SIMS imaging; **Martine Bot**, Leiden NL

13.00 – 14.00 Lunch at the Hotel Palace

14.00 Departure

## Posters

Name	First Name	organization	abstract title	abstract authors	Poster's number
van Eys	Guillaume	Universiteit maastricht	Smoothelins are essential for maximal smooth muscle contraction.	G. van Eys, S. Rensen, P. Niessen	1
BOUBY-BOUZIDI	Nadine	INSERM	Role of Tissue Kallikrein in the cardiovascular effect of Aldosterone in the mouse	N. Picard, L.Sabbah, P. Bruneval, P. Meneton, C. Richer, N. Bouby, F. Alhenc-Gelas	2
Zeller	Iris	Cardiac Surgery Research Laboratory	Lead and its impact on atherogenesis	I. Zeller, G. Laufer, D. Bernhard	3
Eijgelaar	Wouter	Maastricht University	Similarities in the transcriptome of human atherosclerotic and non-atherosclerotic macrophages	Wouter J. Eijgelaar, Anton J.G. Horrevoets*, Ann-Pascale J.J. Bijmens, Mat J.A.P. Daemen, Wim F.J. Verhaegh**.	4
Hermansson	Andreas	Karolinska Institutet	Evaluation of the T cell response to apolipoprotein B100 (ApoB100): a new opportunity for immunotherapy against atherosclerosis	A.Hermansson (1), DFJ.Ketelhuth (2), M.Wurm (3), I.Törnberg (4), D.Strodthoff (5), GN.Fredrikson (6), J.Nilsson (7), GK.Hansson (8)	5
Bond	Mark	University of Bristol	The F-box protein FBXL6 is up-regulated after vascular injury and is required for VSMC proliferation and protection from apoptosis	Mark Bond, Graciela B Sala-Newby, Andrew C Newby	6
Hewer	Richard	University of Bristol	Divergent effects of cAMP on cytoskeleton oxidized Ig and proliferation in vascular smooth muscle cells and endothelial cells.	Richard Hewer and Mark Bond	7
Olszanecki	Rafal	Jagiellonian University Medical College	Genetic suppression of HO-1 exacerbates apoptosis and renal damage in rat models of renovascular hypertension and diabetes	1Olszanecki R, 3Rezzani R, 3Rodella L, 2Botros FT, 2Goodman AI, 2Drummond G, 1Korbut R, 2Abraham NG	8
Suski	Maciej	Jagiellonian University Medical College	KAEMPFEROL, BUT NOT RESVERATROL INHIBITS ANGIOTENSIN CONVERTING ENZYME	M. Suski, B. Bujak-Gi&0;ycka, J. Madej, R. Olszanecki, P.P. Wołkow, J. Jawień, J. Rutowski*, R. Korbut	9

Name	First Name	organization	abstract title	abstract authors	Poster's number
Wolkow	Pawel	Jagiellonian University, School of Medicine	Involvement of protein kinase inhibitors in chemotaxis of monocyte-derived dendritic cells	P.P. Wolkow, J.Jawien, R. Olszanecki, R.Korbut	10
Arnal	Jean-François	INSERM U858	ENDOTHELIAL ER <sup>α</sup> ; MEDIATES THE PREVENTION OF FATTY STREAK DEPOSIT BY 17 <sup>β</sup> -ESTRADIOL IN LDLr DEFICIENT MICE	Billon A.(1), Fontaine C. (1), Douin-Echinard V. (1), Berges H. (1), Krust A. (2), Laurell H. (1), Guery J.C. (3), Gourdy P. (1), Arnal J.F. (1)	11
Anelli	Viviana	Zebrafish Group, IFOM, the Firc Institute of Molecular Oncology	A zebrafish melanoma model to study the roles of novel cancer genes in angiogenesis and inflammation in cancer.	Viviana Anelli <sup>1</sup> , Davide Rambaldi <sup>2</sup> , Cristina Santoriello <sup>1</sup> , Francesca Ciccarelli <sup>2</sup> , Marina Mione <sup>1</sup>	12
Laurell	Henrik	INSERM	Estradiol accelerates endothelial healing through the retrograde commitment of uninjured endothelium.	C. Filipe <sup>1</sup> , L. Lam Shang Leen <sup>2</sup> , L. Brouchet <sup>1</sup> , A. Billon <sup>1</sup> , V. Benouaich <sup>1</sup> , V. Fontaine <sup>1</sup> , P. Gourdy <sup>1</sup> , F. Lenfant <sup>1</sup> , J-F. Arnal <sup>1</sup> , A-P. Gadeau <sup>2</sup> , H. Laurell <sup>1</sup>	13
Medina	Indira	Carim	Deficiency in hck and fgr Src tyrosine kinases leads to delayed atherosclerosis and plaque instability in LDL receptor knockout mice	I.A. Medina <sup>1</sup> , 2. T. Berkel <sup>1</sup> , E. E. A. L. Biessen <sup>1</sup> , 2.	14
Montecucco	Fabrizio	University of Geneva	Statins inhibit C-reactive protein (CRP)-induced chemokine secretion, ICAM-1 upregulation and chemotaxis in adherent human monocytes.	Fabrizio Montecucco, Fabienne Burger, Graziano Pelli, Nana Kwabena Poku, Charlotte Berlier, Sabine Steffens and François Mach	15
Lenglet	Sébastien	University Hospital	CB2 cannabinoid receptor activation is cardioprotective in a mouse model of ischemia/reperfusion	Fabrizio Montecucco, Sébastien Lenglet, Vincent Braunersreuther, Fabienne Burger, Graziano Pelli, Maria Bertolotto*, François Mach and Sabine Steffens	16

## Abstracts Summary

### WS01 - room "Hampl/Paracelsus"

Name	First Name	organization	abstract title	Abstract authors
Pepe	Anna Elena	King's College London	Nrf3 Mediates Stem Cell differentiation into Smooth Muscle Cells through Regulation of ROS Balance and Pla2G7 Production	A.E. Pepe, Q. Xiao, A. Zampetaki, A. Margariti, Q. Xu
Wick	Georg	Division for Experimental Pathology and Immunology	Infection with Chlamydia pneumoniae Induces a Pronounced Pro-inflammatory Phenotype in HUVEC via Induction of a Pro-Oxidative State	A.Csordas1, S. Lach2, M. Maass2, G.Wick1
Fisslthaler	Beate	Goethe University Frankfurt	Angiotensin II and reactive oxygen species inactivate eNOS through phosphorylation on tyrosine 657	B. Fisslthaler, A. Loot, I. Fleming

### WS02 - room "Menzel/Waggenerl"

Name	First Name	organization	abstract title	Abstract authors
Wick	Georg	Division for Experimental Pathology and Immunology	Cigarette smoke is an endothelial stressor and leads to cell cycle arrest	1B.Henderson, 1A. Csordas, 1A. Backovic, 1M. Kind, 2D. Bernhard, 1G. Wick
Lievens	Dirk	Maastricht University, CARIM	Deficiency of TGF- $\beta$ 6; signaling in CD11c positive cells accelerates atherosclerosis by inducing T-cell influx	Dirk Lievens*, Anna-Karin Robertson**, Linda Beckers*, Yasmina Laouar**, Mats Rudling***, Erik A Biessen*, Mat J Daemen*, Richard A Flavell**, Esther Lutgens*
Ammirati	Enrico	San Raffaele Institute	Cytokines/Chemokines Differentiation Pattern of Patients with ST-Elevation Myocardial Infarction (STEMI) Associated with High Levels of circulating IL-6	Enrico Ammirati, MD*; Nicole Cristell, MD; Viviana Vecchio, BSc, Alessio Palini§, BScMs; Anna M. Paganoni‡; Laura M. Sangalli‡; Alberto Monello, MD; Daniela Piraino, MD; Carlo V. Cannistraci#; Alessandro Durante, MD; Michela Banfi, BSc, Monica De Metrio, MD‡; Gian Carlo Marenzi, MD‡; Piercesare Secchi‡; Angelo A. Manfredi, MD•; H. Li°; D. Hu°; S. Speris_53;; Neal Uren, MD_53;; Domenico Cianflone, MD and Attilio Maseri, MD on behalf of FAMI study

Name	First Name	organization	abstract title	Abstract authors
HERBIN	Olivier	INSERM	Continuous subcutaneous delivery of apoB-derived peptides decreases T cell response and reduces the progression of established atherosclerosis in mice	Olivier Herbin(1), Hafid Ait-Oufella(1), Gunilla Nordin Fredrikson(2), Benjamin Aubier(1), Régine Merval(1), Jan Nilsson(2), Alain Tedgui(1), Ziad Mallat(1)
Seghers	Leonard	VUMC dept of physiology	Activating NK cell receptor crucially involved in modulating arteriogenesis	L. Seghers 1, V. van Weel 2, J. van Bergen 3, M. de Vries 4, J.H. van Bockel 2, V. van Hinsbergh 1, P.H.A. Quax 2

## WS03 - room "Seminarraum"

Name	First Name	organization	abstract title	abstract authors
RAMKHELAWON	BHAMA	INSERM U689	Shear stress modulates endothelial microparticles shedding.	Bhama Ramkhelawon, Stephanie Lehoux, Cécile Devue, Alain Tedgui, Chantal M. Boulanger
Binder	Christoph	Institute of Medical and Chemical Laboratory Diagnostics, Medical University of Vienna, Austria	Circulating microparticles express oxidation-specific epitopes that are recognized by natural IgM antibodies	T. Perkmann <sup>1,2</sup> , S. Hörkkö <sup>3</sup> , O.F. Wagner <sup>2</sup> , J.L. Witztum <sup>4</sup> , C.J. Binder <sup>1,2</sup>
Binder	Bernd	Department of Vascular Biology and Thrombosis Research	Microparticules and atherothrombosis	
Binder	Christoph	Institute of Medical and Chemical Laboratory Diagnostics, Medical University of Vienna, Austria	Red blood cells derived micoparticules are thrombogenic in vitro and in mouse models in vivo	Hiroataka Isobe, Thomas Perkmann, Johannes M. Breuss, Christoph J. Binder, Chantal M. Boulanger and Bernd R. Binder

## WS04 - room "Hampl/Paracelsus"

Name	First Name	organization	abstract title	abstract authors
Benbow	Ulrike	University of Bristol	Melagatran Prevents Plaque Rupture in Apolipoprotein E Knockout Mice Through a Non-Thrombin Related Mechanism	Benbow U, <sup>1</sup> Fritsche-Danielson R, <sup>2</sup> Karanam S, Jackson CL.
Bennett	Martin	University of Cambridge	DNA damage and DNA repair in atherosclerosis	Bennett Martin
de Jager	Saskia	Leiden Amsterdam Center for Drug Research	CCL3 and CCL18: prognostic factors in acute coronary syndromes and modulators of plaque progression	Saskia C.A. de Jager 1, Adriaan O. Kraaijeveld 1,2, Theo J.C. van Berkel 1, J. Wouter Jukema 2 and Erik A.L. Biessen 1,3

## WS05 - room "Menzel/Waggenerl"

Name	First Name	organization	abstract title	abstract authors
Urbich	Carmen	Institute of Cardiovascular Regeneration, Center for Molecular Medicine, University of Frankfurt	Cathepsin L-dependent Secretome of Endothelial Progenitor Cells	C. Urbich (1), M.Mayr (2), Q. Xu (2), S. Dimmeler (1)
Dulak	Jozef	Jagiellonian University, Faculty of Biochemistry, Biophysics and Biotechnology	Heme oxygenase-1 improves neovascularisation and functions of endothelial progenitor cells	Jozef Dulak, Anna Grochot-Przeczek, Agnieszka Łoboda, Agnieszka Ja%8;wa, Jerzy Kotlinowski, Jessy Deshane*, Anupam Agarwal*, Alicja Jozkowicz
van der Pouw Kraan	Tineke	Vumc	The transcriptome of circulating CD34+ cells reveals loss of their naive signature in Coronary Artery Disease Patients	T.C.T.M. van der Pouw Kraan 1, S.H. Schirmer 2, J.O. Fledderus 3, P.D. Moerland 4, N. van Royen 2, A.J.G. Horrevoets 1,3
Kraenkel	Nicolle	University of Bristol	Pro-angiogenic cells are recruited by migration towards bradykinin in vitro and in vivo	N. Kraenkel, R. Katare, P. Campagnolo, R. Ascione, C. Emanuelli, P. Madeddu
Dehghani	Mohammad	Department of Vascular Biology and Thrombosis Research	VEGF and AMD3100-induced rapid mobilization of bone marrow progenitor cells and neutrophils are impaired in urokinase (uPA) and in urokinase receptor (uPAR) deficient mice	Mohammad Dehghani, Damla Olcaydu, Jan Zaujec, Pavel Uhrin, Bernd R. Binder and Johannes M. Breuss.

## WS06 - room "Hampl/Paracelsus"

Name	First Name	organization	abstract title	abstract authors
Biessen	Erik	Maastricht	signaling and macrophage polarization	
Germain	Stephane	INSERM U833 – College de France	Modulation of macrophage activation state protects tissue from necrosis during critical limb ischemia in thrombospondin-1-deficient mice	Nicolas Bréchet <sup>1,2</sup> , Elisa Gomez <sup>1,2</sup> , Marine Bignon <sup>1,2</sup> , Jamila Khallou-Laschet <sup>3,4</sup> , Aurélie Cazes <sup>1,2</sup> , Cécile Alanio-Bréchet <sup>5</sup> , Mélanie Durand <sup>1,2</sup> , Josette Philippe <sup>1,2</sup> , Jean-Sébastien Silvestre <sup>6,7</sup> , Nico Van Rooijen <sup>8</sup> , Pierre Corvol <sup>1,2</sup> , Antonino Nicoletti <sup>3,4</sup> , Bénédicte Chazaud <sup>9,10</sup> , Stéphane Germain <sup>1,2,11</sup>
Sala-Newby	Graciela	University of Bristol	Regulation of matrix metalloproteinase expression in macrophages in response to cytokines and oxidized-LDL	G.B. Newby, A.C. Newby.
Weber	Christian	Aachen	Chemotaxis of monocyte subsets in atherosclerosis	

## WS07 - room "Menzel/Waggerl"

Name	First Name	organization	abstract title	abstract authors
Alhenc-Gelas	Francois	INSERM	Critical Role of Angiotensin Converting Enzyme Level in Myocardial Ischemia-Reperfusion Injury Revealed by Gene Titration in the Mouse.	E. Messadi-Laribi, M.P. Vincent, V. Griol-Charhbili, N. Bouby, F. Alhenc-Gelas and C. Richer
Zeng	Lingfang	King's College London	XBP1 induces atherosclerosis through modulation of VE-cadherin	L. Zeng, A. Zampetaki, A. Margariti, H. Li, A. E. Pepe, Z. Zhang, Q. Xiao, D. Martin, S. Alam, Y. Hu and Q. Xu
White	Stephen	University of Bristol	Investigating the response of endothelial cells to elevated shear stress	S. White, E. Hayes, S. Lehoux, R. Krams, A. Horrevoets and A. Newby
Margariti	Andriana	King's College London	Histone Deacetylase 7 Controls Endothelial Cell Growth through Stabilisation of $\beta$ -Catenin	A. Margariti, A. Zampetaki, Q. Xiao, X. Yin, H. Li, Z. Zhang, E. De Falco, Y. Hu, L. Zeng, Q. Xu

## WS08 - room "Seminarraum"

Name	First Name	organization	abstract title	abstract authors
Pepe	Anna	King's College London University of London	Embryonic Stem Cell Differentiation into Smooth Muscle Cells is Mediated by Nox4-Produced H <sub>2</sub> O <sub>2</sub>	Qingzhong Xiao, Zhenling Luo, Anna Elena Pepe, Andriani Margariti, Lingfang Zeng and Qingbo Xu
Fleming	Ingrid	Goethe University, Frankfurt	The acute hypoxic pulmonary vasoconstrictor response and pulmonary artery pressure are modified by the soluble epoxide hydrolase and epoxyeicosatrienoic acids.	Keserue, B, Barbosa-Sicard, E, Fisslthaler, B, Fleming, I
Lyon	Cressida	University of Bristol	INHIBITION OF SMOOTH MUSCLE CELL MIGRATION AND PROLIFERATION WITH SOLUBLE N-CADHERIN	CA. Lyon, GB. Sala-Newby, SJ. George
TSAOUSI	AIKATERINI	THE UNIVERSITY OF BRISTOL	REGULATION OF INTIMAL THICKENING BY THE WNT/BETA-CATENIN PATHWAY.	A. Tsaousi, C.A. Lyon, H. Williams, J.L. Johnson, S.J. George
GAAYA	Amira	INSERM U525	Role of PRG-1, a neuronal phospholipid phosphatase, in the function of vascular smooth muscle cells	Amira Gaaya*, Odette Poirier*, Nathalie Mougnot#, Anne-Marie Lompré\$, Florent Soubrier*, Sophie Nadaud*
Fujisawa	Takeshi	Department of Reproductive & Vascular Biology, University of Birmingham	IDENTIFICATION OF AN IDEAL DRUG THAT INHIBITS RESTENOSIS WITHOUT AFFECTING ENDOTHELIALISATION	T. Fujisawa(1), Y. Castier(2), B. Al-ani(1), A. Haque(1), H. Kuramoto(3), N. M. Barnes(4), S. Lehoux(2), A. Ahmed(1)

## WS09 - room "Menzel/Waggenerl"

Name	First Name	organization	abstract title	abstract authors
Meloni	Marco	Bristol Heart Institute	Nerve Growth Factor Exerts Protective and Regenerative Actions on the post-Infarcted Heart	M. Meloni, R.G. Katare, A. Caporali, B. Cristofaro, P. Madeddu, C. Emanuelli
Duplâa	cécile	Inserm	hypoxic preconditioning of murine mesenchymal stem cells maximizes their therapeutic potential via a Wnt dependent mechanism	L. Lionel, B. Descamps, P. Oses, P. Dufourcq, JM Daniel Lamazière, C. Moreau, D. Daret, Z. Ivanovic, T. Couffinhal, C. Duplâa

## WS10 - room "Seminarraum"

Name	First Name	organization	abstract title	abstract authors
van Tiel	Claudia	Academic Medical Center Amsterdam	Nuclear receptor Nurr1 protective in in-stent restenosis	C.M. van Tiel, P.I. Bonta, T.W.H. Pols, I. Bot, E.A. Biessen, C.J.M. de Vries.
Fontaine	Coralie	INSERM U858	THE TRANSACTIVATING FUNCTION-1 OF ESTROGEN RECEPTOR ALPHA IS DISPENSABLE IN THE VASCULOPROTECTIVE ACTIONS OF 17 <sup>β</sup> -ESTRADIOL	A. Billon*§, C. Fontaine*§, C. Filipe*, V. Douin-Echinard*, M-J. Fouque*, G. Flouriot†, P. Gourdy*, F. Lenfant*, H. Laurell*, A. Krust‡, P. Chambon‡, J-F. Arnal*
LENFANT	Francoise	INSERM U858	Prevention of skin flap necrosis by estradiol involves reperfusion of a protected vascular network	Céline E. Toutain <sup>1</sup> , Laurent Brouchet <sup>1</sup> , Isabelle Raymond-Letron <sup>2</sup> , Patricia Vicendo <sup>3</sup> , Marie-José Fouque <sup>1</sup> , Hortense Bergès <sup>1</sup> , Pierre Gourdy <sup>1</sup> , Henrik Laurell <sup>1</sup> , Jean-François Arnal <sup>1</sup> , Françoise Lenfant <sup>1</sup>

## WS11 - room "Hampl/Paracelsus"

Name	First Name	organization	abstract title	abstract authors
Bot	Martine	LACDR, Leiden University	Lipidomic cartography of mouse atherosclerotic plaques by cluster-TOF-SIMS imaging	*Martine Bot, **Luke McAleese, *Ilze Bot, *Theo J.C. van Berkel, **Ron M.A. Heeren and *#Erik A.L. Biessen
Mayr	Manuel	King's College University of London	metabolic Homeostasis is Maintained during Myocardial Hibernation by Adaptive Changes in the Transcriptome and Proteome	Manuel Mayr <sup>1</sup> , Dalit May <sup>2</sup> , Madhu Bassetti <sup>3</sup> , John Griffiths <sup>3</sup> , Anton Horrevoets <sup>4</sup> , Eli Keshet <sup>2</sup>
Prokopi	Marianna	King's College University of London	Proteomic Analysis Reveals the Presence of Platelet Microparticles in Endothelial Progenitor Cell Cultures	Marianna Prokopi, Giordano Pula, Anna Zampetaki, Ursula Mayr, Manuel Mayr
Mayr	Manuel	King's College University of London	Proteomics Identifies Thymidine Phosphorylase as a Key Regulator of the Angiogenic Potential of Colony-forming Units and Endothelial Progenitor Cell Cultures	Giordano Pula*, Ursula Mayr*, Colin Evans, Marianna Prokopi, Xiaoke Yin, Qingbo Xu, Manuel Mayr