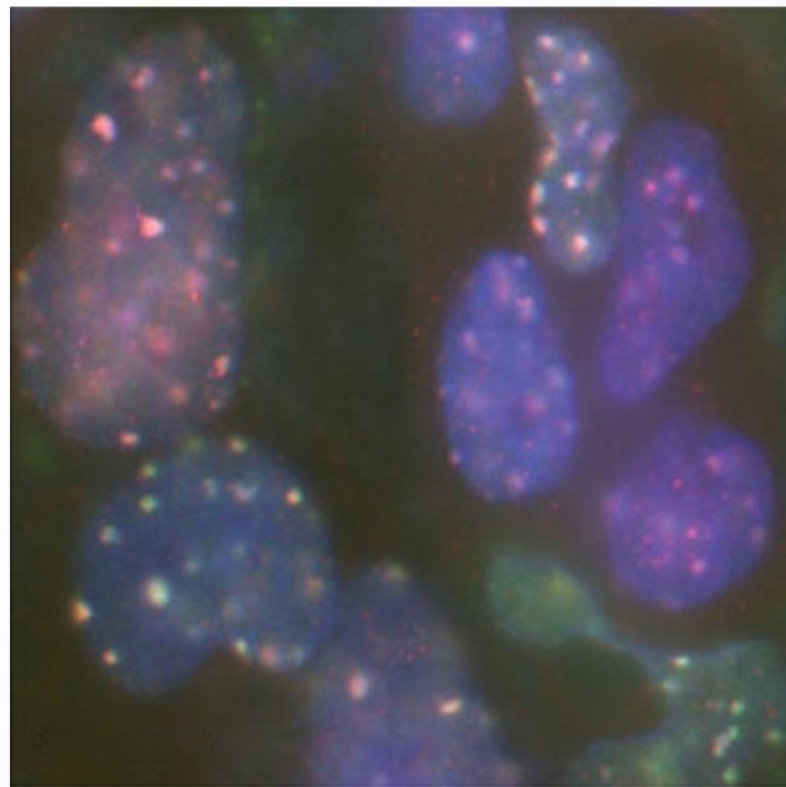
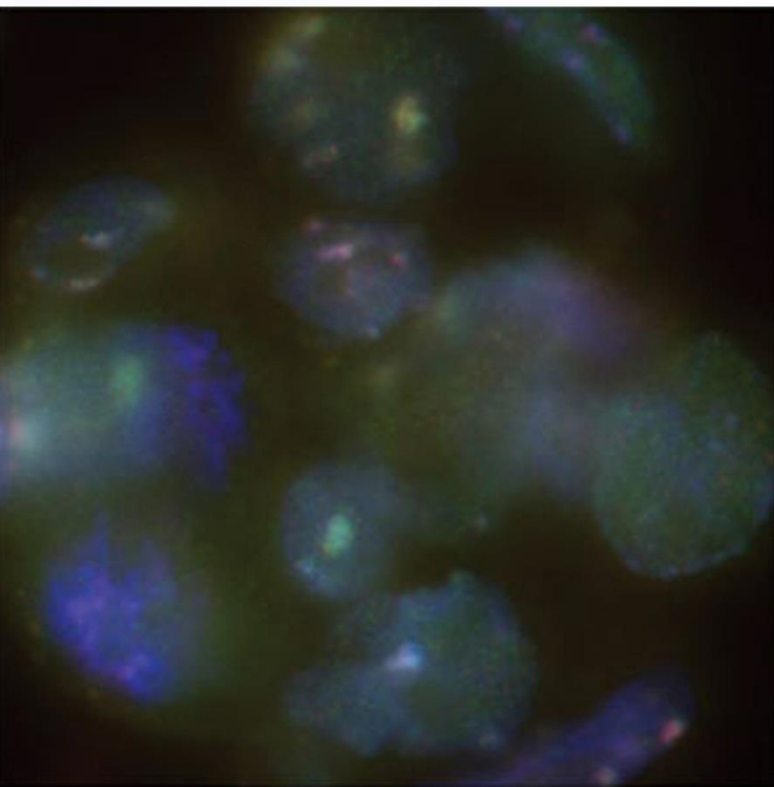


# STEM CELLS

## FROM BASIC RESEARCH TO BIOPROCESSING

### AGENDA



**9th-11th June 2015**  
**London, UK**

**EuroSciCon** 

This event will highlight and discuss recent advances in strategies for controlling stem cell fate and reprogramming (including new insights into the molecular basis of pluripotency and differentiation) together with the progress towards therapeutic and bioprocessing.

This event has [CPD accreditation](#)

[www.regonline.co.uk/stem2015](http://www.regonline.co.uk/stem2015)

Hashtag: #stem2015

# Contents

Agenda .....	5
Day 1, Morning Session: Stem Cell Generation and Differentiation .....	5
Introduction by the Chair.....	5
MicroRNA Activity and Adult Stem Cell Differentiation: Utilising the Epigenome .....	5
Chemical reprogramming of human somatic cells. ....	5
Oral Presentation .....	5
CONDITIONED MEDIUM OF HUMAN MESENCHYMAL STEM CELLS ENHANCE KERATINOCYTE MIGRATION INTO THE INJURY SITES	
Human stem cells as tools to model neural damage and cell death pathways.....	5
Discussion session.....	5
Day 1, Afternoon Session: 3D Culture .....	5
Introduction by the chair .....	5
Controlling complexity in 3D: The effect of surface topology on adult stem cell scaffold adhesion and differentiation .....	5
Oral Presentation .....	5
NOVEL 3D BIO-RESPONSIVE MESENCHYMAL STEM CELL NICHE MODEL .....	5
Applications of in vitro assays to measure cellular response in 3D cell cultures .....	5
3D-in vitro models - where do we go from here?.....	5
Day 2: Session 1: Induced Pluripotent Stem Cells .....	6
Introduction by the Chair.....	6
Oral presentations .....	6
Direct Conversion of Pluripotent Human Embryonic Stem Cells into Functional Human Neuronal or Cardiomyocyte Cell Therapy Derivatives for Regenerative Medicine .....	6
Pluripotent stem cell models to understand human heart disease .....	6
Day 2: Session 2: Bioprocessing.....	6
Introduction by chair.....	6
Cell therapy bioprocesses to support organ transplants.....	6
Functional characterization of PCL embedding collagen composite scaffolds for mechanically-induced differentiation of hMSCs.	6
Upstream and downstream solutions for MSCs animal origin-free processing .....	6
Stem Cell Bioprocessing: The Role of Metabolism .....	6
Oral Presentation .....	6
MESENCHYMAL STEM CELLS FROM UMBILICAL CORD BLOOD DIFFERENTIATE INTO KERATINOCYTES: USING AN ENZYME ACTIVITY APPROACH TO FOLLOW CELL DIFFERENTIATION .....	6
Clinical grade mesenchymal stromal/stem cells from umbilical cord Wharton's Jelly - should body mass index be a criterion for donation? .....	6
Challenges of industrializing stem cell production - a manufacturing perspective.....	6
From Waste to Product: Extracellular Vesicles as Byproducts of Cell Manufacture .....	6
Day 3: Regenerative Medicine and Tissue Engineering.....	7
Introduction by the Chair.....	7
Identification of novel factor enhancing homing of mesenchyma (stromal) stem cells to the injured tissues.....	7
Innovating Technologies to Enable Regenerative Medicine Manufacture.....	7
Oral Presentations .....	7

ANALYSIS OF RELEVANT OUTCOME PARAMETRES IN PATIENTS WITH ISCHEMIC CARDIOMYOPATHY THAT PREDICT RESPONSE TO CD 133+ REGENERATIVE THERAPY .....	7
Using pluripotent stem cells to treat age-related macular degeneration .....	7
Molecular toxicity of nanoparticles using mouse bone marrow mesenchymal stem cells .....	7
About the Speakers .....	8
Day 1 .....	8
Christopher J. Payne,.....	8
Craig Malcolm, .....	8
Arno Gutleb,.....	8
Patrizia Ferretti,.....	8
Day 2.....	8
Kirsten McEwen, .....	8
Xuejun H Parsons, .....	9
Gabor Foldes, .....	9
Marianne Ellis,.....	9
Marzia Brunelli .....	9
Athanasios Mantalaris,.....	9
Dusko Ilic, .....	9
Ricardo Baptista, .....	9
Day 3 .....	10
Adiba Isa,.....	10
Robert J Thomas,.....	10
PV. Mohanan,.....	10
Maya Fuerstenau-Sharp,.....	10
Amanda-Jayne Carr, .....	10
Discussion Sessions .....	11
Session breaks.....	11
Lunch .....	11
• All the chicken in our lunch buffet is Halal .....	11
• We have a number of dishes that are gluten free .....	11
• We have a range of vegetarian dishes which are separated from the meat and fish dishes .....	11
Frequently asked questions about our events .....	11
Is the delegate list available?.....	11
Can I have the speakers slides? .....	11
Can I have a notepad?.....	11
How can I keep up to date with Euroscicon Events? .....	11
I don't want my photograph on any Euroscicon promotional material.....	12
Is there WIFI?.....	12

# Agenda (Talk times include 5 – 10 minutes for questions)

Day 1, Morning Session: Stem Cell Generation and Differentiation		
09:00 – 10:15	<b>Exhibitions open</b>	Registration and Refreshments
10:15 – 10:30	<b>Introduction by the Chair</b>	Dr Pascale V Guillot, BSc MSc PhD Senior Lecturer in Maternal and Fetal Medicine, ifWH, UCL Head of the Cellular Reprogramming and Perinatal Therapy Group, ifWH, UCL Honorary Senior Lecturer, Imperial College London
10:30 – 11:05	<b>MicroRNA Activity and Adult Stem Cell Differentiation: Utilising the Epigenome</b>	Assistant Professor Christopher J. Payne, PhD, Human Molecular Genetics Program, Ann & Robert H. Lurie Children's Hospital of Chicago Research Center, Departments of Pediatrics and Obstetrics and Gynecology, Northwestern University Feinberg School of Medicine, Chicago, IL, US
11:05 – 11:35	<b>Session Break</b>	Speakers' photo, Refreshments, Poster viewing, Sponsors exhibition
11:35 – 12:10	<b>Chemical reprogramming of human somatic cells.</b>	Dr Pascale V Guillot, BSc MSc PhD Senior Lecturer in Maternal and Fetal Medicine, ifWH, UCL Head of the Cellular Reprogramming and Perinatal Therapy Group, ifWH, UCL Honorary Senior Lecturer, Imperial College London
12:10 – 12:25	<b>Oral Presentation</b> <b>CONDITIONED MEDIUM OF HUMAN MESENCHYMAL STEM CELLS ENHANCE KERATINOCYTE MIGRATION INTO THE INJURY SITE</b> Moyassar B H Al-Shaibani*1, Xiao N Wang1, Penny E Lovat1, Anne M Dickinson1 *1 Newcastle University, Institute of Cellular Medicine, Newcastle upon Tyne, United Kingdom	
12:25 – 13:00	<b>Human stem cells as tools to model neural damage and cell death pathways</b>	Dr Patrizia Ferretti, UCL Institute of Child Health, London, United Kingdom
13:00 – 14:00	<b>Session Break</b>	Lunch, Poster viewing Sponsors exhibition
14:00 – 14:35	<b>Discussion session</b>	
Day 1, Afternoon Session: 3D Culture		
14:35 – 15:15	<b>Introduction by the chair</b> <b>Controlling complexity in 3D: The effect of surface topology on adult stem cell scaffold adhesion and differentiation</b>	Prof. Giuseppe Battaglia, Department of Chemistry University College, London
15:15 – 15:30	<b>Oral Presentation</b> <b>NOVEL 3D BIO-RESPONSIVE MESENCHYMAL STEM CELL NICHE MODEL</b> E. E. L. Lewis, H. Wheadon, M. J. Dalby and C. C. Berry Centre for Cell Engineering, University of Glasgow, Glasgow, G12 8QQ, UK	
15:30 – 16:00	<b>Session Break</b>	Refreshments, Last poster viewing Last Sponsors exhibition
16:00 – 16:25	<b>Applications of in vitro assays to measure cellular response in 3D cell cultures</b>	Dr Craig Malcolm, Strategic Collaborations Manager, Cell-Based Assays & Emerging Technologies, <a href="#">Promega</a> , Southampton, UK
16:25 – 16:50	<b>3D-in vitro models - where do we go from here?</b>	Dr Arno Gutleb, PhD, ERT, Luxembourg Institute of Science and Technology (LIST), Environmental Research and Innovation (ERIN) Department, Luxembourg
16:50 – 17:00	<b>Chairman's Summing Up</b>	<b>Close of Session</b>

Day 2: Session 1: Induced Pluripotent Stem Cells		
09:00 – 10:05	<b>Exhibitions open</b>	Registration and Refreshments
10:05 - 10:20	<b>Introduction by the Chair</b>	Mr Oliver N G Zolman, Director of Public Health & Longevity, MBBS & iBSc Regenerative Medicine & Innovation Technology, London, UK
10:20 – 10:50	<p><b>Oral presentations</b></p> <p>10:20 – 10:35 <b>ARE MESENCHYMAL STEM CELLS SUITABLE FOR LUNG THERAPY?</b> C. Rio; A. Jahn; A. Iglesias, T. de Francisco; O. Gigurey; J. A. Torrecilla; Á. Carvajal; J. Verdú; L. A. Ortiz; E. Sala-Llinas Institut d'Investigació Sanitària de Palma (IdISPa), Planta -1, Mòdul F, Hospital Universitari Son Espases, Ctra. de Valldemossa, 79 07010 Palma Illes Balears, Spain – Telf. +34-871205000 ext 64521</p> <p>10:35 – 10:50 <b>HIGHER CARDIOGENIC POTENTIAL OF INDUCED PLURIPOTENT STEM CELLS DERIVED FROM ATRIAL MESENCHYMAL STROMAL CELLS COMPARED TO SYNGENEIC SKIN CELLS</b> V. Meraviglia, J. Wen, L. Piacentini, G. Campostrini, C. Wang, M.C. Florio, V. Azzimato, L. Fassina, M. Langes, J. Wong, M. Miragoli, C. Gaetano, G. Pompilio, A. Barbuti, D. DiFrancesco, D. Mascalcioni, P.P. Pramstaller, G.I. Colombo, H.S.V. Chen, A. Rossini. Center for Biomedicine, European Academy Bozen/Bolzano (EURAC) Via Galvani 31, 39100 Bolzano, Italy</p>	
10:50 – 11:20	<b>Session Break</b>	Speakers' photo, Refreshments, Poster viewing,
11:20 – 11:50	<b>Direct Conversion of Pluripotent Human Embryonic Stem Cells into Functional Human Neuronal or Cardiomyocyte Cell Therapy Derivatives for Regenerative Medicine</b>	<a href="#">Dr. Xuejun H Parsons</a> , San Diego Regenerative Medicine Institute & Xcelthera Inc, San Diego, CA, United States
11:50 – 12:20	<b>Pluripotent stem cell models to understand human heart disease</b>	<a href="#">Dr Gabor Foldes</a> National Heart and Lung Institute, Imperial College London, Imperial Centre for Experimental and Translational Medicine, Hammersmith Campus, London, UK
12:20 – 13:20	<b>Session Break</b>	Lunch, Poster viewing
Day 2: Session 2: Bioprocessing		
13:20– 13:30	<b>Introduction by chair</b>	Professor Athanasios Mantalaris, Chemical Engineering Department, Imperial college, London
13:30 – 13:55	<b>Cell therapy bioprocesses to support organ transplants</b>	<a href="#">Dr Marianne Ellis</a> , Department of Chemical Engineering, University of Bath, UK
13:55 – 14:20	<b>Functional characterization of PCL embedding collagen composite scaffolds for mechanically-induced differentiation of hMSCs.</b>	Marzia Brunelli Ph.D, Department of Mechanical Engineering, University of Sheffield
14:20 – 14:40	<b>Upstream and downstream solutions for MSCs animal origin-free processing</b>	<a href="#">L. Savary</a> ; A. Schnitzler; M. Aysola; A. Verma; T. Lawson; S. Rigby; M. Pease; S. Punreddy; D. Kehoe, K. Philbrick; A. Dupont; Q. Feng; J. Murrell; M. Rook Merck Millipore, 39 Route Industrielle de la Hardt, 67120 Molsheim, France
14:40 – 15:05	<b>Stem Cell Bioprocessing: The Role of Metabolism</b>	Professor Athanasios Mantalaris, Chemical Engineering Department, Imperial college, London
15:05 – 15:35	<b>Session Break</b>	Refreshments, Last poster viewing,
15:35 – 15:45	<p><b>Oral Presentation</b></p> <p><b>MESENCHYMAL STEM CELLS FROM UMBILICAL CORD BLOOD DIFFERENTIATE INTO KERATINOCYTES: USING AN ENZYME ACTIVITY APPROACH TO FOLLOW CELL DIFFERENTIATION</b> JF dos Santos<sup>1,2</sup>, AS Fornaziero<sup>1</sup>, MS Araújo<sup>1</sup>, AS Sardella<sup>2</sup>, AK Azevedo-Martins<sup>2</sup> and <b>VA Nunes</b> Department of 1Biochemistry of UNIFESP and 2School of Arts, Sciences and Humanities of USP, São Paulo, Brazil</p>	
15:45 – 16:10	<b>Clinical grade mesenchymal stromal/stem cells from umbilical cord Wharton's Jelly - should body mass index be a criterion for donation?</b>	<a href="#">Dr Dusko Ilic</a> , MD PhD Reader in Stem Cell Science King's College London Faculty of Life Sciences and Medicine , Division of Women's Health , Women's Health Academic Centre KHP , Assisted Conception Unit
16:10 – 16:35	<b>Challenges of industrializing stem cell production - a manufacturing perspective</b>	Dr Ricardo Baptista, PhD, Lead Scientist – Process Development, Cell Therapy Catapult, London, UK
16:35 – 17:00	<b>From Waste to Product: Extracellular Vesicles as Byproducts of Cell Manufacture</b>	Dr James Smith, Research Associate, CASMI Translational Stem Cell Consortium, University of Oxford, UK
17:00	<b>Chairman's Summing Up</b>	<b>Close of Session</b>

Day 3: Regenerative Medicine and Tissue Engineering

09:00 – 10:15	<b>Exhibitions open</b>	Registration and Refreshments
10:15 – 10:30	<b>Introduction by the Chair</b>	<a href="#">Dr Amanda-Jayne Carr</a> , Research Fellow, Institute of Ophthalmology, University College London, UK
10:30 – 11:15	<b>Identification of novel factor enhancing homing of mesenchyma (stromal) stem cells to the injured tissues</b>	Dr Adiba Isa, Postdoc, Dr.Med.Sci., Laboratory of Molecular Endocrinology (KMEB), Institute of Clinical Research, University of Southern Denmark, Odense C, Denmark
11:15 – 11:45	<b>Session Break</b>	Speakers' photo, Refreshments, Poster viewing, Sponsors exhibition
11:45 – 12:30	<b>Innovating Technologies to Enable Regenerative Medicine Manufacture</b>	Dr Robert J Thomas MPharm PhD, Senior lecturer (EPSRC Early Career Fellow & Deputy Director EPSRC Centre for Innovative Manufacturing for Regenerative Medicine), <a href="#">Loughborough University</a> , UK
12:30 – 12:45	<b>Oral Presentations</b> <b>ANALYSIS OF RELEVANT OUTCOME PARAMETRES IN PATIENTS WITH ISCHEMIC CARDIOMYOPATHY THAT PREDICT RESPONSE TO CD 133+ REGENERATIVE THERAPY</b> <u>Nesteruk J., Kundt G., Bubritzki S., Donndorf P., Klopsch C., Kaminski A., Steinhoff G.</u> Reference and Translation Centre for Cardiac Stem Cell Therapy (RTC), Department of Cardiac Surgery, Medical Faculty, University of Rostock, Rostock, Germany. Address: Schilingallee 68, 18057, Rostock, Germany Telephone number: + 49 3814943901 Fax number: + 49 3814943909	
12:45 – 13:45	<b>Session Break</b>	Lunch, Poster viewing
13:45 – 14:45	<b>Discussion session</b>	
14:45 – 15:30	<b>Using pluripotent stem cells to treat age-related macular degeneration</b>	<a href="#">Dr Amanda-Jayne Carr</a> , Research Fellow, Institute of Ophthalmology, University College London, UK
15:30 – 16:15	<b>Molecular toxicity of nanoparticles using mouse bone marrow mesenchymal stem cells</b>	Dr. PV. Mohanan, PhD, FST, FASc(Aw), FSAB, Scientist & Head, Toxicology Division, Biomedical Technology Wing, <a href="#">Sree Chitra Tirunal Institute for Medical Sciences and Technology</a> (Govt. of India), Poojapura, Thiruvananthapuram, Kerala, India
16:15 – 16:30	<b>Chairman's Summing Up</b>	<b>Close of Event</b>

# About the Speakers

## Day 1

**Christopher J. Payne**, PhD, Human Molecular Genetics Program, Ann & Robert H. Lurie Children's Hospital of Chicago Research Center, Departments of Pediatrics and Obstetrics and Gynecology, Northwestern University Feinberg School of Medicine, Chicago, IL, US

Christopher Payne received his Ph.D. in Cell Biology from the Oregon Health & Science University, USA, in 2003. He continued his training with postdoctoral fellowships at the Fred Hutchinson Cancer Research Center, the University of Washington and the Jackson Laboratory, USA, from 2004 through 2009. Since 2009, he is an Assistant Professor in Human Molecular Genetics at Northwestern University School of Medicine in Chicago. He has published 26 papers in journals such as Cell, Science, Stem Cells and Development. In 2012, Dr. Payne received the Clinical Science Award from the American College of Embryology. He serves on several Editorial Boards.

**Craig Malcolm**, Strategic Collaborations Manager, Cell-Based Assays & Emerging Technologies, [Promega](#), Southampton, UK

Craig Malcolm, PhD is a Strategic Collaborations Manager at Promega UK, based in Southampton. After receiving his PhD in Neurochemistry from St Andrews University, Dr. Malcolm worked in the pharmaceutical industry for seven years as a Team Leader in Molecular Pharmacology (Vernalis Ltd.), developing cell-based assays and supporting drug discovery screening projects. He spent several more years in product development as a Senior Cell Biologist (PerkinElmer), and held various roles in UK-based Life Sciences companies (Scientifica, Roche Applied Science) before joining Promega in 2012. Dr. Malcolm is responsible for strategic collaborations relating to cell-based assays and Promega's emerging technologies.

**Arno Gutleb**, PhD, ERT, Luxembourg Institute of Science and Technology (LIST), Environmental Research and Innovation (ERIN) Department, Luxembourg

Dr. Arno Gutleb graduated from the University of Veterinary Medicine Vienna, Austria and holds a Dr. env. sci. with specialization in toxicology from Wageningen University, The Netherlands and is a European Registered Toxicologist (ERT). He is associated professor at the University Iuliu Hatieganu, Cluj, Romania and visiting professor at the Universidad Andrés Bello, Santiago de Chile. Currently he is employed as group leader for Environmental Health and Nanosafety at the Luxembourg Institute of Science and Technology (LIST). Dr. Gutleb has successfully developed and applied a range of different in vitro and in vivo assays.

**Patrizia Ferretti**, UCL Institute of Child Health, London, United Kingdom

Patrizia Ferretti initial background was in biology and neuropharmacology. She studied at Pisa University and at the Mario Negri Institute for Pharmacological Research, Milan, Italy, prior to moving to the Max Planck Institute, Goettingen, Germany and then to London, UK initially as a postdoc and then as a group leader. She leads the "Regeneration and Development Group" at UCL Institute of Child Health. Her laboratory has a long-standing interest in the basic mechanisms governing regeneration of a variety of complex body structures (particularly neural and craniofacial skeletal tissue) in the context of normal and abnormal developmental mechanisms and cell plasticity with a focus on somatic stem cells. She has made a sustained and internationally recognized contribution to the regeneration field. She has identified a number of cellular and molecular mechanisms which play a role in response to injury and repair using a variety of in vivo and in vitro models. Altogether, her research on key pathways involved in tissue damage/repair and stem cells is concerned with basic issues whose elucidation could lead to translation and have a significant impact on improving quality of life.

## Day 2

**Kirsten McEwen**, MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London, London, UK

Dr McEwen undertook her PhD in stem cell epigenetics at the University of Cambridge after completing a Biomedical Science Honours degree in New Zealand. As a Career Development Fellow at the MRC Clinical Sciences Centre, joint with Imperial College London, her research is focused on the molecular mechanisms regulating transcriptional and epigenetic processes in murine pluripotent stem cells.



**Xuejun H Parsons**, San Diego Regenerative Medicine Institute & Xcelthera Inc, San Diego, CA, United States  
Dr. Parsons received her PhD from Cornell University and completed her PostDoc studies as a Leukemia and Lymphoma Society Research Fellow at University of California. Since, she has been supported by grants from NIH to become an independent investigator and leader in human ES cell research. She is the Co-Founder and President of San Diego Regenerative Medicine Institute, Founder and CEO of Xcelthera INC, and Founder of California Consortium for Regenerative Medicine Startup. She is an inventor and author of more than 20 articles in peer-reviewed journals and serves on the editorial boards of several open-access scientific journals.

**Gabor Foldes**, MD PhD, National Heart and Lung Institute, Imperial College London, Imperial Centre for Experimental and Translational Medicine, Hammersmith Campus, London, UK

Dr Gabor Foldes trained in Internal Medicine and Cardiology. He is an Assistant Professor at Heart Center, Semmelweis University, Budapest. He has held visiting research positions at Harvard Medical School and University of Oulu, Finland. Since October 2007, he has been working at National Heart and Lung Institute, Imperial College London. Dr Foldes' research interests are in particular the cellular and molecular mechanisms of cardiac remodelling and heart failure. In addition he has a long-standing interest in cardiac regeneration and continues to be involved with pluripotent stem cell characterisation projects. His recent academic and clinical awards include the European Society of Cardiology Research Grant, Hungarian Society of Cardiology Award and the British Heart Foundation Reflections of Research Award.

**Marianne Ellis**, Department of Chemical Engineering, University of Bath, UK

Dr Ellis is a biochemical engineer and her research interests are focused on bioreactor and bioprocess design for the scale up of cell therapies, non-animal technologies (in vitro models for toxicology and bioartificial organs), and cultured meat. Importantly, a physiologically-relevant bioreactor environment is a central focus to the work. The two main bioreactor configurations she uses are the hollow fibre bioreactor, in which the fibres are used to replicate vasculature in tissue; and the fluidised bed bioreactor which are applied to particulate cell-scaffold construct production.

**Marzia Brunelli** Ph.D, Department of Mechanical Engineering, University of Sheffield

M. Brunelli graduated in 2012 at the University of Genova in Biomedical Engineering after taking part in the ERASMUS program and developing the final project on vascular tissue regeneration in collaboration with the University of Twente (The Netherlands). Currently, she is part of the INSIGNEO group at the University of Sheffield where she is enrolled as Ph.D student since 2012. Her main focus regards the mechanobiology field and the investigation of the role of mechanical stimuli on osteogenesis of mesenchymal stem cells.

**Athanasios Mantalaris**, Chemical Engineering Department, Imperial College, London

Athanasios (Sakis) Mantalaris is Professor of BioSystems Engineering in the Department of Chemical Engineering at Imperial College London. He received his PhD (2000) in Chemical Engineering from the University of Rochester. His expertise is in modelling of biological systems and bioprocesses with a focus on mammalian cell culture systems, stem cell bioprocessing, and tissue engineering. He has published over 150 original manuscripts, co-edited one book, and holds several patents with several more pending. He has received several awards including the Junior Moulton Award for best paper by the Institute of Chemical Engineers (IChemE) in 2004. In 2012, he was elected Fellow of the American Institute for Medical & Biological Engineering and in 2013 he was awarded a European Research Council (ERC) Advanced Award.

**Dusko Ilic**, MD PhD Reader in Stem Cell Science

King's College London Faculty of Life Sciences and Medicine, Division of Women's Health, Women's Health Academic Centre KHP, Assisted Conception Unit

Dusko Ilic, Reader in Stem Cell Science, Division of Women's Health, King's College London; previously Associate Professor, University of California San Francisco, research consultant in Dermatology Services at the Veteran Affairs Medical Center, San Francisco, and R&D Director, StemLifeLine, a California based start-up company. Current research interest lies in stem cells in disease modeling, drug development, tissue engineering and regenerative medicine.

**Ricardo Baptista**, PhD, Lead Scientist – Process Development, Cell Therapy Catapult, London, UK

Ricardo Baptista is a Lead Scientist in the Process Development Team at Cell Therapy Catapult, London, UK. He is currently working on the development of scalable bioprocesses for the manufacture of human pluripotent stem cells, and on the industrialisation of the production of stem cell derived products. He is also involved in projects aiming the automation and translation of bioprocesses for cell therapy manufacture. Previous to Cell Therapy Catapult, Ricardo held the role of Project Manager and Scientist in Product and Process Development Team at CCRM-Centre for Commercialization of Regenerative Medicine, in Canada. His work on the production of NK-92 cells using stirred-tank reactor technology allowed for a reduction in the manufacturing costs to

facilitate initiation of Phase II trials at Princess Margaret Cancer Centre, in Toronto. Ricardo developed acoustic-perfused bioreactor processes for high-density culture of induced pluripotent stem cells and differentiation onto cardiomyocytes during post-doctoral research in Dr Peter Zandstra Lab (University of Toronto).

## Day 3

**Adiba Isa**, Postdoc, Dr.Med.Sci., Laboratory of Molecular Endocrinology (KMEB), Institute of Clinical Research, University of Southern Denmark, Odense C, Denmark

Adiba Isa, a postdoctoral fellow at University of Southern Denmark. She has a doctoral degree from Karolinska Institutet, Stockholm in Cellular Immunology. She has attended her first postdoctoral period at the dept. of Clinical Immunology. At present, her field of interest is studying the mechanisms that govern homing of mesenchymal stem cells towards the inflamed tissues.

**Robert J Thomas**, MPharm PhD, Senior lecturer (EPSRC Early Career Fellow & Deputy Director EPSRC Centre for Innovative Manufacturing for Regenerative Medicine), [Loughborough University](#), UK

Rob Thomas is an EPSRC Fellow and Senior Lecturer in Bio-manufacturing at Loughborough University. He leads a team developing the process science and technologies to enable manufacturing of cell based regenerative medicine therapies, with a particular focus on reducing cost and controlling risk of manufacture. He has a particular interest in the challenges of in vitro haematopoietic progenitor expansion and red blood cell production processes.

**PV. Mohanan**, PhD, FST, FASc(Aw), FSAB, Scientist & Head, Toxicology Division, Biomedical Technology Wing, [Sree Chitra Tirunal Institute for Medical Sciences and Technology](#) (Govt. of India), Poojapura, Thiruvananthapuram, Kerala, India

Dr. PV. MOHANAN, Scientist and Head, Toxicology Division, Sree Chitra Tirunal Institute for Medical Sciences and Technology (Govt. of India), Trivandrum, India. Did his Post doc from the University of Tsukuba, Japan and Ph.D from the University of Kerala, India. He has 26 years of experience. R&D activities in biomaterials, nanomaterials, drugs and tissue engineered medical products' toxicity, special emphases on molecular toxicology, immunotoxicology, oxidative stress and Stem cells in toxicology. He has handled 7 externally funded projects from DST, DBT and ICMR. He has actively involved in the Regulatory Toxicology studies of medical devices, tissue engineered products. A Teaching faculty for imparting education to the PhD/MPhil/MTech, Postgraduate/diploma/certificate courses. He has received several national and international awards and honors like Thomas Edison Award, certificate of appreciation from the Hon. Minister of Science and Technology, Govt. of India for the contribution to India getting full adherent status on GLP from OECD. JSPS Bridge Fellow, Country Correspondent for the World Library of Toxicology, Senior Toxicologist Fellowship from IUTOX, Certified Biological Safety Specialist, Fellow of Society for Applied Biotechnology, Fellow of Society of Toxicology, Fellow of Academy of Sciences for animal welfare. Awards such as STOX/ASAW-Surajben Jethalal Thaker Prakruti Mandir Gold medal Award, Secretary General of Society of Toxicology, India, General Secretary Indian JSPS Alumni Association. Dr. Mohanan published more than 110 full papers in national and international journals.

**Maya Fuerstenau-Sharp**, Manager R&D, Cell Culture Technologies, Sartorius Stedim Biotech, Goettingen Germany

Maya Fuerstenau-Sharp is the Manager of R&D for Cell Culture Technologies at Sartorius Stedim in Goettingen, Germany where she is responsible for process and product development for the regenerative medicine space. Prior to joining Sartorius, she held positions at Cellular Dynamics International and Life Technologies focused on stem cell derivative-based assay development for toxicity testing and drug discovery. Maya earned an MSc in Biotechnology from the University of Madison, WI, USA and a PhD in Biomedicine from the University of Regensburg, Germany.

**Amanda-Jayne Carr**, Research Fellow, Institute of Ophthalmology, University College London, UK

Amanda obtained a Dual Honours BSc in Biology and Biochemistry at Keele University in 1998 followed by a PhD in Neuroscience by the University of Manchester. Amanda continued her academic career as a research associate at UCL and has been working for The London Project to Cure Blindness with Professor Pete Coffey at the Institute of Ophthalmology since 2007. Amanda's current research is focused on the creation of induced pluripotent stem cells from patients with visual defects. These will be used to study the cellular pathology of eye diseases and to investigate potential therapeutics.

# Discussion Sessions

The discussion sessions are an opportunity for informal questions and answers. This is an ideal opportunity to get advice and opinion from experts in this area. This session is not for questions about specific talks, which can be asked after the speakers session, but for discussing either general topics or specific issues.

There are three ways you can ask questions:

1. Before the session you can submit your question to Euroscicon staff at the registration desk,
2. Before and during the session you can submit a question or comments, by email, which will be provided on the day of the event
3. During the session you can put your hand up and join in

# Session breaks

All breaks and registrations will take place in the exhibition area where there will be lunch and refreshments.

Please try to visit all the exhibition stands during this event. Not only do our sponsors enable Euroscicon to keep the registration fees competitive, but they are also here specifically to talk to you

# Lunch

- All the chicken in our lunch buffet is Halal
- We have a number of dishes that are gluten free
- We have a range of vegetarian dishes which are separated from the meat and fish dishes

# Frequently asked questions about our events

## Is the delegate list available?

Yes this is available to everyone who attends the event and our sponsors.

It is available in real time. To access the list please just log into your registration details or use the QR code on right of the agenda card which is provided on the day of the event.

You will not be included in this list if you have opted out and you can do this by logging into your registration details. This list will not be sold or ever give out to third parties.

## Can I have the speakers slides?

We cannot give out the slides from our speaker's presentations as they are deleted immediately after each event. If you require a particular set of slides please approach the speaker. We will however have a meeting report and you will be emailed when this report is published.

## Can I have a notepad?

Notepads and pens are provided in the delegate bags and at the registration desk

## How can I keep up to date with Euroscicon Events?

To keep updated on our events and other Life Science News, please sign up for our newsletter at [www.eurosciconnews.com](http://www.eurosciconnews.com)

## **I don't want my photograph on any Euroscicon promotional material**

Please let our tech person know

## **Is there WIFI?**

Yes, please ask registration for log in details

## **Can I have a CPD certificate?**

CPD certificates will be available in the exhibition hall after lunch

Please remember that EuroSciCon is a small independent company with no subsidies from society memberships or academic rates for venues. We try to be as reasonably priced as possible and our delegate rates are substantially lower than comparable commercial meeting organisations

*EuroSciCon Ltd.* Registered in England and Wales, Company number: 4326921, Trading Address: Euroscicon Ltd, Highstone House, 165 High Street, Barnet, Herts. EN5 5SU, UK. Registered Office: 47 Falkland Road, High Barnet, EN5 4LQ.