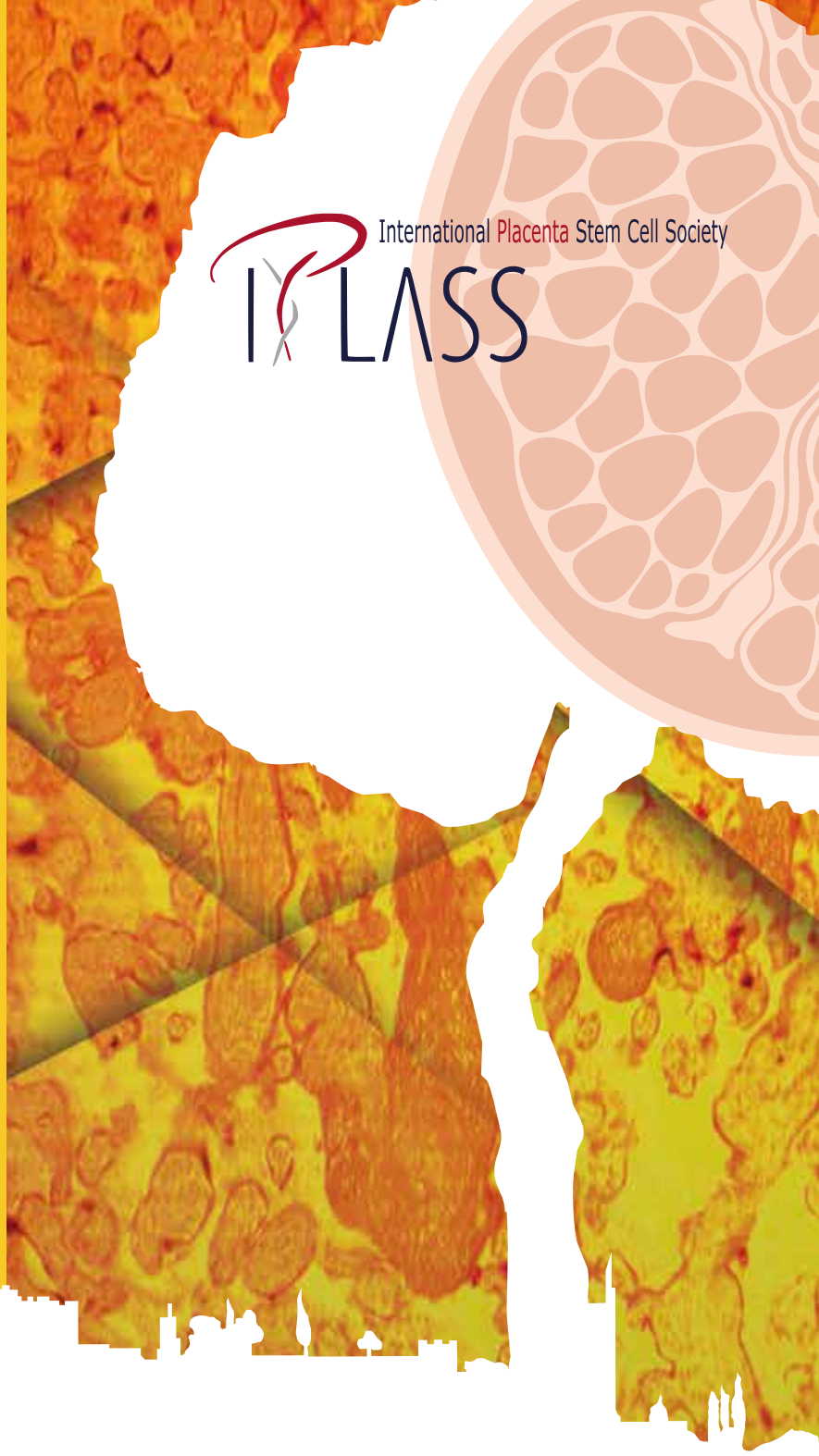
3rd IPLASS Meeting

University of Granada, Spain. 10-12 September 2014



International Placenta Stem Cell Society

IPLASS

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TOWARD CLINICAL APPLICATIONS OF PLACENTAL AND ENDOMETRIAL STEM CELLS

3rd IPLASS Meeting

University of Granada, Spain. 10-12 September 2014

Organizers

Ana Clara Abadía·Molina
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Marco Evangelista
Ignacio Molina
Raquel Muñoz-Fernandez
Enrique G. Olivares
Ornella Parolini
María José Ruiz-Magaña
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Karen Shashok

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Raquel Muñoz-Fernández

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Francisco José Nicolás
Enrique G. Olivares
María José Ruiz-Magaña
Ornella Parolini
María del Carmen Ruiz-Ruiz
Euan M. Wallace

Meeting Venue

Faculty of Medicine, University of Granada
Address: Avda. de Madrid nº11, 18071 · Granada
Phone · (+34) 958 24 35 04

Oral Presentations

Aula Magna

Poster Session Venue

Aula Magna Corridor

Lunch and Coffee

Cafeteria

Welcome cocktail

Hotel Abba. Address: Av de la Constitución, 21, 18014 Granada

Farewell Dinner

Carmen de la Victoria (Albayzín). Address: Cuesta del Chapiz, 9, 18010 Granada

Sponsors

Universidad de Granada (Vicerrectorado de Política Científica e Investigación; Facultad de Medicina); The Company of Biologists (Cambridge, UK); The International Placenta Stem Cell Society

Wednesday, September 10

15:00	Registration and poster setup at Poster Session Venue
15:30 - 17:00	IPLASS Board Meeting
17:00 - 17:30	Opening and welcome remarks by IPLASS President Dr. Ornella Parolini, and note from Local Organizer Dr. Enrique G. Olivares
17:30 - 18:30	Opening Keynote Lecture: **Hanna K.A. Mikkola.** Uncovering the stem/progenitor cells in the placenta University of California Los Angeles, Los Angeles, California (USA)
19:30	**Welcome cocktail.** Hotel Abba. Address: Av de la Constitución, 21, 18014 Granada

Thursday, September 11

SESSION I – Stem cells in the human endometrium
Chairs: Enrique G. Olivares, Euan M. Wallace

9:00 - 9:30	**Francisco J. Esteban.** Endometrial stem cell omics. University of Jaén, Jaén (Spain).
9:30 - 10:00	**Massimo Dominici.** Human endometrial tissue as source of bio-active mesenchymal progenitors. University Hospital of Modena and Reggio Emilia, Modena (Italy).
10:00 - 10:30	Coffee break

SESSION II – Maternal side of the placenta: Human decidual stromal cells and their stem cells characteristics
Chairs: Francisco Jose Nicolás, Ignacio J. Molina

10:30 - 11:00	**Enrique G. Olivares.** Decidual stromal cells: mesenchymal stem cells, follicular dendritic cells or pericytes? Universidad de Granada, Granada (Spain).
11:00 - 11:30	**Ana Isabel Flores.** Multipotent stromal stem cells from human decidua: differentiation, homing, and therapeutic potential. Instituto de Investigación Hospital 12 de Octubre Madrid (Spain).

SESSION III – Fetal side of the placenta: placenta-derived stem cells, their characteristics and potential
Chairs: Massimo Dominici, Francisco Martin

11:30 - 12:00	**Ornella Parolini.** Immunomodulatory properties of placenta derived cells. Fondazione Poliambulanza-Istituto Ospedaliero, Brescia (Italy).
12:00 - 12:30	**Giampiero La Rocca.** Wharton's jelly cells: where we are on the long way to define their in vivo role and uncover their therapeutic potential. Università degli Studi di Palermo; Istituto Euro-Mediterraneo di Scienza e Tecnologia (IEMEST), Palermo, Italy .
12:30 - 14:00	Lunch
14:00 - 15:30	Selected Oral Presentations
15:30 - 16:30	Coffee break with Poster session
22:30	**Visit to the Alhambra by night**

Friday, September 12

SESSION IV – Cell therapy approaches using placenta cells or derivatives
Chairs: Ornella Parolini, Mario Delgado

9:00 - 9:30	**Cesar Borlongan.** Antiinflammatory effects of amnion-derived stem cell grafts in stroke and traumatic brain injury. University of South Florida, Tampa, Florida (USA).
9:30 - 10:00	**Euan M. Wallace.** Taming the winds of Aiolos. Amnion epithelial cells and preterm lung disease. Monash University, Clayton, Victoria, (Australia)
10:00 - 10:30	Coffee Break with Poster session
10:30 - 11:00	**Mohamed Abumaree.** Therapeutic potential of human chorionic villi mesenchymal stem cells in multiple sclerosis. King Abdulla International Medical Research Center, Riyadh (Saudi Arabia).
11:00 - 12:30	Selected Oral Presentations
12:30 - 14:00	Lunch
Chairs: Cesar Borlongan, Ana Isabel Flores	
14:00 - 14:30	**Francisco José Nicolás.** Amniotic membrane effect on wound healing. Molecular lessons. Hospital Universitario Virgen de la Arrixaca, El Palmar, Murcia (Spain).
14:30 - 15:00	**Mario Delgado.** Therapeutic potential of human amniotic membrane-derived cells in autoimmunity. Instituto de Parasitología y Biomedicina, CSIC, Granada (Spain)
15:00 - 15:30	**Stephen Strom.** Stem cell correction of liver disease. Karolinska Institutet, Stockholm (Sweden).
15:30 - 16:00	Coffee break with Poster session
16:00 - 17:00	Selected Oral Presentations
17:00 - 17:30	Awards for the best Oral and Poster presentations
17:30 - 18:15	General Assembly and election of the new President, Secretary and Treasurer.
20:00	**Farewell dinner.** Carmen de la Victoria (Albayzín). Address: Cuesta del Chapiz, 9, 18010 Granada.

Thursday, September 11

SESSION III – Fetal side of the placenta: placenta-derived stem cells, their characteristics and potential
Chairs: Massimo Dominici, Francisco Martin

14:00 - 15:30 Oral Presentations

O1 The human amniotic membrane as a feeder layer for human adipose derived stem cells

L Verbeeck[1], A Lindenmair[2], A Banerjee[2], K Schneider[2], S Hennerbichler[3], H Redl[2], S Wolbank[2]
[1]*University of Antwerp, Belgium*
[2]*Ludwig Boltzmann Institute for clinical and experimental Traumatology/Austrian Cluster for Tissue Regeneration, Austria - Red Cross Blood Transfusion Service for Upper Austria, Linz, Austria*

O2 The Regenerative Potential of the Amniotic Fluid Stem Cells' Secretome

S Bollini[1], V Ulivi[1], R Tasso[1], P Becherini[3], D Reverberi[2], MC Bosco[3], L Varesio[3], D Coviello[4], R Cancedda[1] and C Gentili[1]
[1] *Regenerative Medicine Lab, Department of Experimental Medicine (DIMES), University of Genova & IRCCS AOU San Martino - IST Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy*
[2]*Cell Sorting Facility, IRCCS AOU San Martino - IST Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy*
[3]*Molecular Biology Laboratory, IRCCS Istituto Giannina Gaslini, Genova, Italy*
[4]*Human Genetics Laboratory, Galliera Hospital, Genova, Italy*

O3 Gestational stage affects amniotic epithelial cells phenotype, methylation status

Immunomodulatory and stemness properties
B Barboni[1,2], V Russo[1,2], P Berardinelli[1,2], A Mauro[1,2], M Mattioli[1,2], M Marchisio[2,3], O Parolini[4], A Colosimo[1,2]
[1]*Dep. Biomedical Science, University of Teramo, Italy*
[2]*StemTeCh, Chiety, Italy*
[3]*C.E.S.I., University of Chiety, Italy*
[4]*Menni Foundation, Brescia, Italy*

O4 Immunomodulatory properties of human Amniotic Epithelial Cells are not altered in serum-free three-dimensional (3D) culture conditions

R Costa[1], M Rossi[1], B Okere[2], F Ricci[3], C Zannini[1], A Quarta[1], G Simonazzi[4], F Alviano[1], L Lughetti[2], L Bonsi[1]
[1]*Department of Experimental, Diagnostic and Specialty Medicine, University of Bologna, Bologna, Italy*
[2]*Department of Medical and Surgical Sciences, University of Modena and Reggio Emilia, Modena, Italy*
[3]*Immunohaematology and Transfusion Medicine Service, S.Orsola-Malpighi Hospital, University of Bologna, Bologna, Italy*
[4]*Department of Medical and Surgical Sciences, University of Bologna, Bologna, Italy*

O5 Characteristics of hematopoietic stem/progenitor cells from placental tissue, umbilical cord blood and fetal liver

M Kuchma[1,2], V Shablii[1,2], V Kyryk[3], H Svitina[2], Y Shablii[2], L Lukash[1], G Lobyntseva[2]
[1]*Institute of Molecular Biology and Genetics National Academy of Science of Ukraine, Kiev, Ukraine*
[2]*Institute of Cell Therapy, Kiev, Ukraine*
[3]*State Institute of Genetics and Regenerative Medicine of National Academy of Medical Science of Ukraine, Kiev, Ukraine*

O6 Endothelial colony-forming cells (ECFC): abundant sourcing from human placenta, and evidence for neo-angiogenic stem cell hierarchy

J Patel[1], E Seppanen[1], J Chan[2], MP Rodero[1], E Roy[1], NM Fisk[1], M Francois[3], K Khosrotehrani[1].
[1]*University of Queensland, Centre for Clinical Research, University of Queensland, Herston Campus, Brisbane, Australia*
[2]*KK Women's and Children's Hospital, Duke-NUS Graduate Medical School & Yong Loo Lin School of Medicine, National University of Singapore, Singapore*
[3]*The University of Queensland, Institute of Molecular Biosciences, Brisbane, Australia*

Friday, September 12

SESSION IV – Cell therapy approaches using placenta cells or derivatives
Chairs: Ornella Parolini, Mario Delgado

11:00 - 12:30 Oral Presentations

O7 Multipotent trophoblast cells derived from native and cryopreserved human placental tissue

V Shablii[1,2], M Kuchma[1,2], V Kyryk[3], H Svitina[2], Y Shablii[2], I Skrypkina[1], L Lukash[1], G Lobintseva[2]
[1]*Institute of molecular biology and genetics of National Academy of Science of Ukraine, Kiev, Ukraine*
[2]*Institute of Cell Therapy, Kiev, Ukraine*
[3]*State Institute of genetics and regenerative medicine Academy of Medicine of Ukraine, Kiev, Ukraine*

O8 Trophoblast stem cells: characteristics and anticancer properties

H Svitina[1], V Shablii[1,2], M Kuchma[1,2], V Kyryk[3], Y Shablii[1], I Skrypkina[2], L Garmanchuk[4], G Kyznezova[4], O Dzhus[4], E Denis[4], V Zhezhera[5], V Rubalchenko[4], G Lobintseva[1]
[1]*Institute of Cell Therapy, Kiev, Ukraine*
[2]*Institute of molecular biology and genetics of National Academy of Science of Ukraine, Kiev, Ukraine*
[3]*State Institute of genetics and regenerative medicine Academy of Medicine of Ukraine, Kiev, Ukraine*
[4]*Institute of Biology, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*
[5]*National Children's Hospital "Okhmatdyt" Health of Ukraine, Kyiv, Ukraine*

O9 Cryopreserved human amniotic membrane as a multi-purpose biomaterial for various applications

S Hennerbichler[1,5], A Lindenmair[2,5], M Kesting[3], A Petter-Puchner[2,5], W Feistl[4], H Redl[2,5], C Gabriel[1,5]
[1]*Red Cross Blood Transfusion Service of Upper Austria, Linz, Austria*
[2]*Ludwig Boltzmann Institute for Experimental and Clinical Traumatology/ AUVA Vienna, Austria*
[3]*Department of Oral and Maxillofacial Surgery, Technical University Munich, Klinikum Rechts der Isar, Germany*
[4]*Department of Oral and Maxillofacial Surgery, General Hospital Linz, Austria*
[5]*Austrian Cluster for Tissue Regeneration*

O10 Hepatocellular carcinoma treatment with human amniotic membrane extract: assembling a cellular puzzle

AC Mamede[1,2,3,4], S Guerra[1], M Laranjo[1,3,4], K Santos[1], T Carvalheiro[6], MJ Carvalho[1,3,4,5], P Moura[5], A Paiva[6], AM Abrantes[1,3,4], CJ Maia[2], MF Botelho[1,3,4]
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[2]*CICS-UBI, Health Sciences Research Centre, University of Beira Interior, Covilhã, Portugal*
[3]*CIMAGO, Faculty of Medicine, University of Coimbra, Coimbra, Portugal*
[4]*IBILI, Faculty of Medicine, University of Coimbra, Coimbra, Portugal*
[5]*Obstetrics Service, Coimbra Hospital and University Centre, Coimbra, Portugal*
[6]*Blood and Transplantation Center of Coimbra, Portuguese Institute of Blood and Transplantation, Coimbra, Portugal*

O11 Transplantation of Wharton's jelly-derived mesenchymal stromal cells as a therapy of encephalopathy of prematurity in a rat model

A Schoeberlein[1,2], M Müller[3], M Jörger-Messerli[1,2], B Oppliger[1,2], U Reinhart[1,2], D Surbek[1,2]
[1]*Department of Obstetrics and Gynecology, University Hospital Bern, Bern, Switzerland*
[2]*Department of Clinical Research, University of Bern, Bern, Switzerland*
[3]*Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT, USA*

O12 Mesenchymal stem cells for contusive spinal cord injury repair: Challenges to overcome

S Venkatachalam, K Chandrasekar, L Venkitasamy, FM Michael
Department of Anatomy, Dr. Arcot Lakshmanasamy Mudaliar Postgraduate Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai 600113, India.
Department of Anatomy, Dr. Arcot Lakshmanasamy Mudaliar Postgraduate Institute of Basic Medical Sciences, University of Madras, Tamilnadu, India

SESSION IV – Cell therapy approaches using placenta cells or derivatives

Chairs: Cesar Borlongan, Ana Isabel Flores

16:00 - 17:00 Oral Presentations

O13 Decidual stromal cells as treatment for acute graft versus host disease

M Solders[1,2], M Remberger[1,2], T Erkers[1], S Nava[1], P Molldén[1], J Mattsson[1,2], H Kaipe[1], O Ringdén[1,2]
[1]*Division of Therapeutic Immunology, Karolinska Institutet, Stockholm, Sweden*
[2]*Center for Allogeneic Stem Cell Transplantation, Karolinska University Hospital, Stockholm, Sweden*

O14 Successful reversal of acute lung injury using placenta-derived decidual stromal cells

O Ringdén[1], M Solders[1], T Erkers[1], S Nava[1], P Molldén[1], M Hultcrantz[2], H Kaipe[1], J Mattsson[1]
[1]*Division of Therapeutic Immunology and Center for Allogeneic Stem Cell Transplantation*
[2]*Department of Hematology, Karolinska Institutet, Karolinska University Hospital Huddinge, Stockholm, Sweden*

O15 Toll-Like Receptor Agonist-Induced Preeclampsia Symptoms in Mice are Treatable with Placental Expanded (PLX)-PAD Cells

L Pinzur[1], VL Chiasson[2], P Chatterjee[2], M Hatahet[2], E Abraham[1], A Chajut[1], R Ofir[1], BM Mitchell[2]
[1]*Pluristem Therapeutics Inc., Haifa, Israel*
[2]*Department of Internal Medicine, Division of Nephrology & Hypertension, Texas A&M Health Science Center/Scott & White Healthcare, Temple, Texas*

O16 Treatment of severe chronic graft-versus-host disease with decidual stromal cells and tracing with 111Indium radiolabeling

T Erkers[1], H Kaipe[1], S Nava[1], P Molldén[1], B Gustafsson[2], R Axelsson[2], and O Ringdén[1]
[1]*Dept. of Laboratory Medicine, Division of Therapeutic Immunology, Center for Allogeneic Stem Cell Transplantation*
[2]*Dept. of Clinical Science, Intervention and Technology, Karolinska Institutet and Karolinska University Hospital Huddinge, Sweden*

POSTER PRESENTATIONS

P1 Close relationship between endometriotic cells and mesenchymal stem cells

R Muñoz-Fernández, MJ Ruiz-Magaña, M Ortiz-González, S Romero-Pinedo, A Prados, AC Abadía-Molina, MC Ruiz-Ruiz, EG Olivares
Instituto de Biopatología y Medicina Regenerativa, Centro de Investigación Biomédica, Armilla, Granada, Spain

P2 Determination of HLA-G in endometriosis and other allergic diseases

L Velásquez[1], MV Moreno[1], I Velasco[2], G Rubio[3], J Fernández[2], A Campos[4] and E Caparrós[1].
[1]*Clinical Medicine Department, Faculty of Medicine, UMH, Alicante, Spain*
[2]*Gynecology Service, San Juan Hospital Alicante, Spain*
[3]*Biochemistry, Cell Biology and Immunology Department, Faculty of Medicine, UM, Murcia, Spain*
[4]*Blood Center Immunohematology Service, San Juan de Alicante, Spain*

P3 Novel isolation strategy to deliver pure fetal-origin and maternal-origin mesenchymal stem cell (MSC) populations from human term placenta

J Patel, A Shafiee, NM Fisk, K Khosrotehrani
The University of Queensland, UQ Centre for Clinical Research, Herston, QLD, 4029, Australia

P4 Induction of apoptosis in decidual stromal cells in response to decidualization

M. Valenzuela-Villatoro, E. Lucendo, R Muñoz-Fernández, MJ Ruiz-Magaña AC Abadía-Molina, EG Olivares, MC Ruiz-Ruiz
Instituto de Biopatología y Medicina Regenerativa, Centro de Investigación Biomédica, Armilla, Granada, Spain

P5 ^{14}C-TdR labeling for *in vivo* tracking of human placenta derived mesenchymal stem cells in nude mice

CG Wu[1], L Deng[2]
[1]*Laboratory of Stem Cell and Tissue Engineering, Regenerative Medicine Research Center, West China Hospital, Sichuan University, Chengdu, People's Republic of China*
[2]*Laboratory of Stem Cell and Tissue Engineering, State Key Laboratory of Biotherapy, West China Hospital, Sichuan University, Chengdu, People's Republic of China*

P6 Rat-derived amniotic epithelial cells differentiate into mature hepatocytes *in vivo* with no evidence of cell fusion

M Marongiu, A Contini, MP Serra, E Laconi and F Marongiu
Università degli Studi di Cagliari, Department of Biomedical Sciences, Experimental Medicine Unit, Cagliari, Italy

P7 Isolation and characterization of mouse fetal membrane cells: A new source for mouse mesenchymal stromal cells

B Sadeghi[1], B Khoein[1], I Magalhaes[1], O Ringden[1,2]
[1]*Division of Therapeutic Immunology (TIM), Dept. of Laboratory Medicine,*
[2]*Center for Allogeneic Stem Cell Transplantation, Karolinska Institutet and Karolinska University Hospital Huddinge, Stockholm, Sweden*

P8 Human amniotic membrane mapping: a new morphological point of view with functional implications

F Bataccia[1,2], L Centurione[1,2], MA Centurione[2,3], M Forcella[1], F Marchegiani[1,2], S De Munari[4], Ornella Parolini[4], Roberta Di Pietro[1,2]
[1]*Department of Medicine and Ageing Sciences, G. d'Annunzio University of Chieti-Pescara, Italy*
[2]*Ageing Research Center, Ce.S.I., G. d'Annunzio University Foundation, StemTeCh Group, Chieti, Italy*
[3]*Institute of Molecular Genetics, National Research Council, Pavia-Section of Chieti, Italy*
[4]*E. Menni Research Centre, Poliambulanza Foundation, Brescia, Italy*

P9 Human perinatal tissues as a source of genetically stable mesenchymal stromal cells: future implications in cell therapy-based studies

S Maciotta Rolandin[1], P Romele[2], C Salvatore[3], F Romana Grati[1], F Maggi[1], O Parolini[2], G Simoni[1]
[1]*Toma Advanced Biomedical Assay, Busto Arsizio, Italy*
[2]*Centro di Ricerca E.Menni, Poliambulanza, Brescia, Italy*
[3]*Biocell Center, Busto Arsizio, Italy*

P10 Osteodifferentiation of human amniotic membrane: outcome for clinical uses

T Gualdi[1], R Laurent[1,2], A Nallet[3], L Obert[1,4], F Gindraux[1,4]
[1]*Intervention, Innovation, Imagery, Engineering in Health (EA 4268), SFR FED 4234, University of Franche- Comté, Besancon, France*
[2]*Paediatric Surgery Service, University Hospital of Besancon, France*
[3]*Novotec, Lyon, France*
[4] *Orthopaedic and Traumatology Surgery Service, University Hospital of Besancon, France*

P11 Changes in cellular properties during hepatic differentiation of hAECs

Julieta L. Maymó[1], Antonio Pérez Pérez[2], Marta Magatti[3], Bernardo Maskin[4], Ornella Parolini[3], Víctor Sánchez-Margalet[2] and Cecilia L. Varone[1]
[1]*Depto. de Química Biológica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires-IQUIBICEN-CONICET, Buenos Aires, Argentina*
[2]*Depto. de Bioquímica Médica y Biología Molecular, Universidad de Sevilla, Sevilla, España*
[3]*Centro di Ricerca E. Menni- Fondazione Poliambulanza- Istituto Ospedaliero, Brescia, Italia*
[4]*Hospital Nacional Alejandro Posadas, Buenos Aires, Argentina*

P12 Shifting back the fetomaternal interface: Wharton's jelly mesenchymal stem cells immunomodulatory molecules and their journey from umbilical cord to differentiated cells

G La Rocca[1,2], M Lo Iacono[1,2], T Corsello[1,2], G Amico[3], F Timoneri[3], PG Conaldi[3,4]; F Farina[1], R Anzalone[1]
[1]*Dipartimento di Biomedicina Sperimentale e Neuroscienze Cliniche, Università di Palermo*
[2]*Istituto Euro-Mediterraneo di Scienza e Tecnologia (IEMEST), Palermo*
[3]*Unità di Medicina Rigenerativa e Tecnologie Biomediche, Fonzazione Ri.MED, Palermo*
[4]*Dipartimento di Medicina di Laboratorio e Biotecnologie Avanzate – ISMETT Istituto Mediterraneo per I Trapianti e Terapie ad Alta Specializzazione, Palermo*

P13 Hepatocyte-like cells differentiated from Wharton's jelly mesenchymal stem cells: functional characterization and expression of immunomodulatory molecules

M Lo Iacono[1,2], G La Rocca[1,2], T Corsello[1], G Amico[3], F Timoneri[3], PG Conaldi[3,4]; F Farina[1], R Anzalone[1]
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P14 Wharton's jelly immunomodulatory properties and unique markers expression: new actors at play

G Amico[1], M Lo Iacono[2,3], T Corsello[2,3], F Timoneri[1], PG Conaldi[1,4]; F Farina [2], R Anzalone[2], G La Rocca[2,3]
[1]*Unità di Medicina Rigenerativa e Tecnologie Biomediche, Fonzazione Ri.MED, Palermo*
[2]*Dipartimento di Biomedicina Sperimentale e Neuroscienze Cliniche, Università di Palermo*
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[4]*Dipartimento di Medicina di Laboratorio e Biotecnologie Avanzate – ISMETT Istituto Mediterraneo per I Trapianti e Terapie ad Alta Specializzazione, Palermo*

P15 Younger is better? Isolation and phenotypical characterization of mesenchymal stem cells from the Wharton's jelly of pre-term human umbilical cords

F Timoneri[1], G La Rocca[2,3], M Lo Iacono[2,3], G Amico[1], T Corsello[2,3], F Farina[2], PG Conaldi[1,4], R Anzalone[2]
[1]*Unità di Medicina Rigenerativa e Tecnologie Biomediche, Fonzazione Ri.MED, Palermo*
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P16 Xeno-free isolation and expansion of human amniotic mesenchymal stromal cells

E Lugmayr[1,2], C Gabriel[1,2], D Theiß[1,2], K Witzeneder[1,2], A Lindenmair[2,3], S Hennerbichler[1,2]
[1]*Red Cross Blood Transfusion Service of Upper Austria, Linz – Austria*
[2]*Austrian Cluster for Tissue Regeneration*
[3]*Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Linz/Vienna - Austria*

P17 Sterility testing in amniotic graft processing

I Lindlbauer, S Suessner, S Hennerbichler and C Gabriel
Red Cross Blood Transfusion Service of Upper Austria, Linz, Austria
Austrian Cluster for Tissue Regeneration, Linz, Austria

P18 Human amniotic membrane secreted factors: association with conventional chemotherapy for hepatocellular carcinoma therapy

S Guerra[1], AC Mamede[1,2,3,4], AF Brito[1,3,4], M Laranjo[1,3,4], MJ Carvalho[1,3,4,5], P Moura[5], AM Abrantes[1,3,4], CJ Maia[2], MF Botelho[1,3,4]
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[4]*IBILI, Faculty of Medicine, University of Coimbra, Coimbra, Portugal*
[5]*Obstetrics Service, Coimbra Hospital and University Centre, Coimbra, Portugal*

P19 Decidual stromal cell therapy may induce anti-HLA antibodies in epidermolysis bullosa patients, but not in allogeneic hematopoietic stem cell transplant patients

H Kaipe[1,2], LM Carlson[3], T Erkers[1,2], S Nava[1,2], P Molldén[1,2], H Qian[4], X Li[4], M Alheim[1], T Hashimoto[4], O Ringdén[1,2]
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[3]*Cancer Center Karolinska, Department of Oncology-Pathology, Karolinska Institutet, Stockholm, Sweden*
[4]*Department of Dermatology, Kurume University School of Medicine, and Kurume University Institute of Cutaneous Cell Biology, Kurume, Japan*

P20 Anti-fibrotic effects of fresh human amniotic membrane in cholestatic liver fibrosis induced in rat

LB Sant'Anna[1], R Hage[1], MAG Cardoso[1], EAL Arisawa[1], O Parolini[2], N Sant'Anna[3]
[1]*Institute of Research and Development, University of Vale do Paraíba (UNIVAP), São José dos Campos, Brazil*
[2]*Centro di Ricerca E. Menni (CREM), Fondazione Poliambulanza-Istituto Ospedaliero, Brescia, Italy*
[3]*Computing and Applied Mathematics Laboratory, National Institute for Space Research (INPE), São José dos Campos, Brazil*

3rd IPLASS Meeting

University of Granada, Spain. 10-12 September 2014

ORGANIZATION

Universidad de Granada
Departamento de Bioquímica y Biología Molecular III e Inmunología

International Placenta Stem Cell Society
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