Wednesday 24 May

8.00-9.00 Registration

9.00-9.10 Welcome
F. De Lorenzi
F. Santanelli Di Pompeo
G. Salimbeni

9.10-11.10 Session I: Stem cells and Tissue engineering
Chairs
Hans-Günther Machens – Germany
Hieronymus Stevens – The Netherlands

9.10 Autologous fat grafting: ultracentrifuged characterization
Andrea Lisa

9.20 Characterisation of adipose stem cells isolated after manual and water jet-assisted liposuction
Rojda Gumuscu

9.30 Comparison between Lull pgm system, decantation and centrifugation: an experimental study on processing techniques for autologous fat grafting
Paolo Giovanni Morselli

9.40 A new safer, faster and cheaper mechanical processing method to isolate adipose-derived stem cells
Edoardo Raposio

9.50 Effect of a Tumescent Solution on Perilipin and Phospho-Perilipin Expression of Adipocytes
Ilknur Keskin

10.00 Content of Soluble Factors and Characteristics of Stromal Vascular Fraction Cells in Lipoaspirates from Different Subcutaneous Adipose Tissue Depots
Justinas Grays

10.10 The fractionation of adipose tissue to obtain stromal vascular fractions for regenerative purposes
Hieronymus Stevens

10.20 Spheroids from Adipose-derived Stem Cells (S-ASCs) Exhibit A miRNA Profile Typical of Highly Undifferentiated Cells and iPS cells
Luigi Montesano
10.30 Engineering Vascularized Flaps Using Adipose-Derived Microvascular EC and MSC
Dana Egozi

10.40 Vascularized human finger decellularization: a subunit approach to hand tissue engineering
Jérôme Duisit, Donovan Debluts, Louis Maistriaux, Thomas Roels, Pierre Gianello, Benoît Lengelé

10.50 The biological bases of soft tissues reconstruction with Acellular Dermal Matrices (ADM): experimental study and clinical implications
Enrico Vigato

11.00 Omologous de-epithelialized dermal matrix for breast reconstruction: preclinic study on animal model
Filippo Rivarossa

11.10-11.30 Coffee Break

11.30-13.00 Session II: Hand surgery and peripheral nerve
Chairs
Andrew Hart – UK
Esther Vögelin – Switzerland

11.30 Encapsulation of adipose-derived stem cells (ASC) in degradable gels for peripheral nerve repair and neuroprosthetic devices
Pietro di Summa

11.40 Epimorphic regeneration with nerve growth factor and microwave electrical stimulation: an experimental study in rats
Muge Sevindik

11.50 Anisotropic surface micropatterning to enhance neurite outgrowth is a translationally relevant tool, and informs on drug discovery pipelines
Suzanne Thomson

12.00 Histological evaluation of nerve damage in different in vitro nerve avulsion models and determining the safety limits in repair
Emre Güvercin

12.10 Use of Topographical Cues to Enhance the Neurotropic Potential of Adipose Derived Stem Cells
Marie Kearns
12.20 Regenerative stem cells in Split Sciatic Nerve surgery: a new microsurgical model in experimental nerve repair
Luigi Schiraldi

12.30 Regeneration patterns influence hindlimb automutilation after sciatic nerve repair using stem cells in rats
Pietro di Summa

12.40 Measurement of the range of motion of joints in the hand with the Intel RealSense camera
Arico Verhulst, E.T. Walbeehm

12.50 Hand transplantation in patients with extensive burns of the upper extremities: anatomical study of the feasibility
Edoardo dalla Pozza

13.00- 14.00 Lunch

14.00-15.50 Session III: Breast (part 1)
Chairs
Dietmar Ulrich – The Netherlands
Benedetto Longo – Italy

14.00 MSCs and inflammation: new insights into the potential association between ALCL and breast implants
Matteo Torresetti

14.10 The evaluation of the effect of safe systemic immunosuppression created with dexamethasone in prevention of capsular contracture: the establishment of different perspectives with toll-like receptors
Ozlem Çolak

14.20 The effect of hyaluronic acid application on the perisilicon capsule structure
Sedat Tatar, Ainura Sarybaeva, Kemal Findikcioğlu, Cemile Merve Seymen, Çiğdem Elmas, Osman Latifoğlu

14.30 Nitric oxide charged silicone breast implants as a potential strategy for prevention of biofilm formation and capsular contracture
Tamir Shay, Mark Mizrahi, Dean Ad-EL
14.40  No association between presence of bacteria and capsular contracture
        Yara Bachour

14.50  Predictors of complications after one-stage implant-based breast reconstruction with an
        acellular dermal matrix: results of an open-label, phase IV multi-centre randomized
        controlled trial
        Vera Negenborn

15.00  Histopathological evaluation of non-meshed and meshed acellular dermal matrices from
        different mammalian sources in a porcine model
        Adi Maisel Lotan

15.10  Readability, complexity, and suitability of online resources for mastectomy and
        lumpectomy
        Parisa Kamali

15.20  Immediate breast reconstruction in the Netherlands and the United States: a conceptual
        framework to internationally compare quality of care using cancer registry data
        Parisa Kamali, Annelotte van Bommel, Babette Becherer, Rodney Cooter, Marc Mureau,
        Andrea Pusic, Sabine Siesling, Samuel J. Lin, Hinne Rakhorst

15.30  The Dutch Breast Implant Registry (DBIR); the end of the beginning
        Pauline Spronk

15.40  Anxiety, depression and secondary procedure rates after post-mastectomy breast
        reconstruction.
        Renata Flecha-Hirsch

15.50-16.20 Coffee Break

16.20-16.50 Keynote lecture
        Umberto Veronesi – A message from a surgeon, a scientist and a visionary
        Paolo Veronesi
16.50 A European survey study amongst plastic and breast surgeons on the use of and attitude towards autologous fat grafting with emphasis on reconstruction of the female breast: preliminary results of the first 211 respondents
Jan-Willem Groen

17.00 Autologous fat grafting after augmentation and reconstruction of the female breast; a European, cross-sectional photo-comparison study amongst different physician-, and patient study groups
Jan-Willem Groen

17.10 Oncological safety of autologous fat transfer in breast reconstruction: a systematic review and meta-analysis
Todor Krastev

17.20 The pro-tumorigenic role of adipose progenitors is dependent on GM-CSF deregulation in breast cancer
Francesca Reggiani

17.30 The influence of neoadjuvant chemotherapy on complications of immediate deep inferior epigastric artery perforator (DIEP) flap breast reconstructions
Jop Beugels

17.40 An innovative method of planning and displaying flap volume delineations additional to perforator mapping to achieve symmetric breast volumes in DIEP flap breast reconstructions
Stefan Hummelink

17.50 The DIEP V, a simple method to assess the volume of a DIEP flap
Sergio Razzano

18.00 DIEP-flap breast reconstruction with no donor site drains (NDSD) and the usage of TissuGlu: observational study of 60 patients
Sonia Fertsch

18.10 Comparing sensation of common donor site regions for autologous breast reconstruction to a healthy breast
Anouk Cornelissen
18.20 Cost analysis of two staged implants with allograft and deep inferior epigastric perforator flap autologous reconstruction
Parisa kamali

18.30-19.00 EURAPS Research Council Business meeting

20.30 Dinner
Hotel San Ranieri
Via Filippo Mazzei 2
Thursday 25 May

8.30-10.40 Session V: Outcome/Clinical
   Chairs
   Norbert Pallua – Germany
   Rene van der Hulst – The Netherlands

8.30  Porcine model for flap harvesting: the deep superior epigastric artery perforator (dseap) flap
      Tiziana Roggio

8.35  The porcine training model for internal mammary vessels harvesting: analysis and comparison with the human model
      Marta Cajozzo

8.40  Paracrine factors from apoptotic leukocytes improve flap survival and angiogenesis in a rat model
      Stefan Hacker, Denise Traxler-Weidenauer, Annika Resch, Stefan Salminger, Philipp Hacker, Nina Gösseringer, Ines Tinhofer, Stefanie Nickl, Claudia Keibl, Paul Slezak, Michael Mildner, Heinz Redl, Hendrik Jan Ankersmit, Rainer Mittermayr, Wolfgang Michlits

8.50  The effects of iloprost and ischemic pre-conditioning on mesenteric perfusion and ischemia-reperfusion injury of jejunal flaps
      Fatma Betul Tuncer

9.00  Evaluation of physiologic, histologic and biochemical effects of intraluminal dextrose infusion in a rat jejunal flap ischemia reperfusion model
      Dogus Yalcin

9.10  Extracorporeal perfusion of free rectus abdominis muscle flaps: histidine-tryptophan-ketoglutarate versus University of Wisconsin perfusion fluid
      Anne Sophie Kruit

9.20  Experimental three-dimensional free software setup - Evaluating his utility in daily surgical activities
      Leonardo Ioppolo

9.30  The use of pre-operative CT-scan variables in predicting reherniation risk in patients undergoing large ventral hernia repair using the component separation technique
      Nicholas Slater
9.40 VEGF-C and lymph node transfer after axillary lymph node removal – immunological effects in mice
Pauliina Hartiala

9.50 Sites of Basal cell carcinomas and head and neck congenital clefts: topographic correlation
Giovanni Nicoletti

10.00 A systematic review of patient-reported outcome measures following transsexual surgery
Mauro Barone

10.10 Effect of cigarette smoking on fat graft survival
Alp Ercan

10.20 Antagonization of weight-increasing side effects - combination of clozapine with irisin
Benedikt Schäfer

10.30 Adipogenic factor expression in lipedema adipocytes differs from control adipose stem cells
Anna Linseisen

10.40-11.00 Coffee Break

11.00-12.30 Session VI: Burns and wound repair
Chairs
Brigitte Pittet-Cuenod - Switzerland
Benoit Hendrickx – Belgium

11.00 Role of vitamin D in cutaneous wound healing: different effects on human epidermal keratinocytes and dermal fibroblasts
Jing Qin Tay

11.10 The fate of systemic and local administered adipose-derived mesenchymal stromal cells to modulate wound repair
Karlien Kallmeyer

11.20 Successive release of tissue inhibitors of metalloproteinase 1 through graphene oxide based delivery can promote skin regeneration
Qi Bao

11.30 The effect of adipose derived stromal vascular fraction on stasis zone in an experimental burn model
Atilla Adnan Eyüboğlu
11.40 Prevention of burn wound progression by mesenchymal stem cell transplantation: deeper insights into underlying mechanisms
   Ozan Luay Abbas

11.50 Bromelain based enzymatic eschar removal: Assimilation of a new technology by a national burn care system
   Ilaria Mataro

12.00 Apoptotic peripheral mononuclear blood cell secretome improves wound healing in genetically diabetic db/db mice
   Denise Traxler

12.10 A novel role for the ETS family transcription factor ERG in hypertrophic scarring
   Benjamin Way

12.20 Efficacy of local infiltration of a new collagenasis in the treatment of localized subcutaneous hypertrophic fibrosis in a new rat model: a clinical and histological analysis
   Letizia Senesi

12.30 2017 EURAPS Research Council Best Paper
   Francesca De Lorenzi

12.40 Adjourn
   Francesca De Lorenzi

13.00- 14.00 Lunch

14.00 Start EURAPS Meeting