

## Day 1: 29 September 2022 | Thursday

10:50 – 11:00	Welcome: ECTORS – the way forward	
Chair:	Marlies Reinders   Rotterdam, The Netherlands	
11:00 – 12:30	Session 1: From basic science to clinical practice	
Chairs:	Marlies Reinders   Rotterdam, The Netherlands Cees van Kooten   Leiden, The Netherlands	
11::00 - 11:20	Liver regeneration: transplantation and machine perfusion	Jeroen de Jonge   Rotterdam, The Netherlands
11:20 - 11:40	Immune monitoring after cellular and perfusion therapies	Cees van Kooten   Leiden, The Netherlands
11:40 - 12:00	Discussion panel	
12:00 - 12:10	[OPo1] withdrawn	
12:10 - 12:20	[OPo2] ASSESSING THE QUALITY OF DONOR KIDNEYS DURING NORMOTHERMIC MACHINE PERFUSION USING NANOPARTICLE-BASED VITALITY SENSORS	Jesper Staulund   Aarhus, Denmark
12:20 - 12:30	[OPo3] EFFECTS OF FECAL MICROBIOTA TRANSPLANTATION ON CHRONIC KIDNEY DISEASE: AN INNOVATIVE APPROACH	Gianvito Caggiano   Bari, Italy
12:30 - 13:30	LUNCH BREAK	



13:30 - 14:00	Moderated Poster (1)	
Chairs:	Jan Czogalla   Hamburg, Germany	
13:30 - 13:35	[POS01] CORONARY ALLOGRAFT VASCULOPATHY IS ASSOCIATED WITH DECREASED CD34+ PERIPHERAL CELL COUNT IN PATIENTS AFTER HEART TRANSPLANTATION	Gregor Poglajen   Ljubljana, Slovenia
13:35 - 13:40	[POS02] EARLY PHASE CLINICAL TRIALS USING BIO-ARTIFICIAL ORGAN TECHNOLOGY: A SYSTEMATIC REVIEW OF ETHICAL ISSUES	Dide de Jongh   Rotterdam, The Netherlands
13:40 - 13:45	[POS03] THE ROLE OF THE COMPLEMENT SYSTEM IN LIVER ISCHAEMIA REPERFUSION INJURY	Balaji Mahendran   Newcastle, United Kingdom
13:45 - 13:50	[POS04] PREDICTION OF VESSEL OCCLUSION DURING RECELLULARIZATION USING A COMPUTATIONAL FLUID DYNAMICS MODEL	Van Lap Nguyen   Tokyo, Japan
13:50 - 13:55	[POSo5] ORGAN VIABILITY ASSESSMENT WITH IMAGING MEASUREMENT TECHNOLOGY DURING MACHINE PERFUSION FOR PORCINE LIVER DONATED AFTER CARDIAC DEATH	Hiromichi Obara   Hachioji, Japan
13:55 - 14:00	[POSo6] EFFECT OF PERFUSATE COMPOSITION DURING LONG-TERM PERFUSION OF LIVERS USING A PRECISION- CUT LIVER SLICE MODEL	Julia Hofmann   Innsbruck, Austria
14:00 – 15:30	Session 2: Evaluation of therapeutic interventions and organ quality	
Chairs:	Sandra Lindstedt   Lund, Sweden Marco Eijken   Aarhus, Denmark	
14:00 - 14:20	Deep molecular profiling of kidney normothermic machine perfusion: towards discovering therapeutic opportunities	Jan Czogalla   Hamburg, Germany





14:20 - 14:40	Liver and kidney	Peter Olinga   Groningen, The Netherlands
14:40 - 15:00	Discussion panel	
15:00 – 15:10	[OPo4] INHIBITION OF THE ACTIVIN- SIGNALING PATHWAY DURING EX-VIVO NORMOTHERMIC MACHINE PERFUSION AS A NOVEL THERAPY IN KIDNEY TRANSPLANTATION	Thomas Weiss   Aarhus Denmark
15:10 - 15:20	[OPo5] HUMAN TRANSPLANT KIDNEYS ON NORMOTHERMIC MACHINE PERFUSION DISPLAY ENDOCRINE ACTIVITY	Hui Lin   Rotterdam, The Netherlands
15:20 - 15:30	[OPo6] NEUTROPHIL EXTRACELLULAR TRAPS REMOVAL DURING EX VIVO LUNG PERFUSION IMPROVES LUNG FUNCTION IN A PORCINE LUNG INJURY MODEL	Margareta Mittendorfer   Lund, Sweden
15:30 - 16:00	COFFEE BREAK & MOVE TO ERASMUS MC	
16:00 – 17:30	Parallel Session 3:	
10.00 - 17.30	Laboratory sessions (at ERASMUS MC)	
Chairs:		ds
	Laboratory sessions (at ERASMUS MC)  Monique Verstegen   Rotterdam, The Netherland	ds Monique Verstegen   Rotterdam, Netherlands
Chairs:	Laboratory sessions (at ERASMUS MC)  Monique Verstegen   Rotterdam, The Netherland Martin Hoogduijn   Rotterdam, The Netherlands	Monique Verstegen   Rotterdam,
Chairs: Group 1:	Laboratory sessions (at ERASMUS MC)  Monique Verstegen   Rotterdam, The Netherland Martin Hoogduijn   Rotterdam, The Netherlands  Organ reconditioning laboratory	Monique Verstegen   Rotterdam, Netherlands Sander Korevaar   Rotterdam,
Chairs:  Group 1:  Group 2:	Laboratory sessions (at ERASMUS MC)  Monique Verstegen   Rotterdam, The Netherland Martin Hoogduijn   Rotterdam, The Netherlands  Organ reconditioning laboratory  Kidney organoid culture laboratory	Monique Verstegen   Rotterdam, Netherlands  Sander Korevaar   Rotterdam, Netherlands  Mehrnaz Ghazvini   Rotterdam,





16:00 - 17:30 Parallel Session 3:

**Science Round Table** 

Chairs: Stan Benjamens | Groningen, The Netherlands

Moderators: Jorke Willemse

Stef Luijmes Puck Groen

Efrayim Kucukerbil



In several small groups, young professionals and experienced researchers will discuss important topics related to (transplantation) science. Among others, we will discuss Diversity-Equity-Inclusion (DEI), combining science and family, career planning, grant writing and performing science abroad. The sessions will start with a short round of introductions, followed by a moment to share experiences on the specific topic to be discussed. Discussion leaders will provide guidance for a vibrant discussion, aiming for equal input from both the young professionals and more experienced peers.

TOPIC 1: Diversity-Equity-Inclusion (DEI)

TOPIC 2: Career planning and performing science abroad

TOPIC 3: Innovative ideas and grant writing

17:30 - 18:30 Networking reception



## Day 2: 30 September 2022 | Friday

09:00 – 10:30	Session 4: Combining machine perfusion with cellular therapies	
Chairs:	Sarah Hosgood   Cambridge, United Kingdom Bojan Vrtovec   Ljubljana, Slovenia	
09:00 - 09:20	Machine perfusion and the application of MSC	Bente Jespersen   Aarhus, Denmark
09:20 - 09:40	Kidney machine perfusion and extracellular vesicles, University of Bologna experience	Matteo Ravaioli   Bologna, Italy
09:40 - 10:30	Discussion panel	
10:30 - 11:00	COFFEE BREAK	
11:00 – 12:30	Session 5: New players in organ regeneration	
Chairs	Marcella Franquesa   Badalona, Spain Marten Engelse   Leiden, The Netherlands	
11:00 - 11:20	Renal regeneration and extracellular matrix	Nuno Neves   Braga, Portugal
11:00 - 11:20 11:20 - 11:40	Renal regeneration and extracellular matrix  From an in vivo to an ex vivo engraftmet strategy in islet transplantation	•
	From an in vivo to an ex vivo engraftmet	Portugal  Lorenzo Piemonti
11:20 - 11:40	From an in vivo to an ex vivo engraftmet strategy in islet transplantation	Portugal  Lorenzo Piemonti
11:20 - 11:40 11:40 - 12:00	From an in vivo to an ex vivo engraftmet strategy in islet transplantation  Discussion Panel  [OP07] DECELLULARIZED HUMAN VEINS AS MODEL FOR VASCULAR REPAIR AND ENDOTHELIAL CELL CHIMERISM IN	Portugal  Lorenzo Piemonti   Milan, Italy  Hector Tejeda Mora   Rotterdam, The
11:20 - 11:40 11:40 - 12:00 12:00 - 12:10	From an in vivo to an ex vivo engraftmet strategy in islet transplantation  Discussion Panel  [OPO7] DECELLULARIZED HUMAN VEINS AS MODEL FOR VASCULAR REPAIR AND ENDOTHELIAL CELL CHIMERISM IN ORGANTRANSPLANTATION  [OPO8] DNA VECTOR-INDUCED EPO-OVEREXPRESSING KIDNEY ORGANOIDS	Portugal  Lorenzo Piemonti   Milan, Italy  Hector Tejeda Mora   Rotterdam, The Netherlands  Zhaoyu Du   Rotterdam,



13:30 – 14:00	Moderated Poster (2)	
Chairs:	Fotios Sampaziotis   Cambridge, United Kingdor	n
13:30 - 13:35	[POS07] CREATING A KIDNEY ORGANOID- VASCULATURE INTERACTION MODEL USING A NOVEL ORGAN-ON-CHIP SYSTEM.	Amanda Bas-Cristóbal Menéndez   Rotterdam, The Netherlands
13:35 - 13:40	[POS08] MODELLING KIDNEY FIBROSIS IN HUMAN KIDNEY ORGANOIDS	Shengbing Li   Rotterdam, The Netherlands
13:40 - 13:45	[POSog] withdrawn	
13:45 - 13:50	[POS10] THE LNCRNA HOTAIR CONTROLS THE SELF-RENEWAL, CELL SENESCENCE, AND SECRETION OFANTIAGING PROTEIN A- KLOTHO IN HUMAN ADULT RENAL PROGENITOR CELLS	Gianvito Caggiano   Bari, Italy
13:50 - 13:55	[POS11] INTRAPORTAL HUMAN ALLOGENEIC MESENCHYMAL STEM CELLS INFUSION FOR POSTHEPATECTOMY LIVER FAILURE PREVENTION: THE PILOT CASE SERIES EXPERIENCE	Denis Efimov   Minsk, Belarus
13:55 - 14:00	[POS12] HIGH THROUGHPUT PRODUCTION OF EXTRACELLULAR VESICLES (EVS) FROM IMMORTALIZED WHARTON'S JELLY MESENCHYMAL STROMAL CELLS (IWJ-MSC) (EVS)	Sergio Garcia Garcia   Badalona, Spain
14:00 – 15:30	Session 6: Tools for repairing organs	
Chair:	Bojan Vrtovec   Ljubljana, Slovenia Martin Hoogduijn   Rotterdam, The Netherlands	
14:00 - 14:20	New approaches for kidney disease modeling and tissue regeneration	Christos Xinaris   Bergamo, Italy
14:20 - 14:40	Cardiovascular regenerative medicine in the clinical setting	Giulio Pompilio   Milano, Italy
14:40 - 15:00	Tracking of administered cells	Patricia Murray   Liverpool, United Kingdom
15:00 - 15:30	Discussion Panel	