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IMIRT 2018

**International Meeting on
Ischemia Reperfusion
Injury in Transplantation**

Poitiers, France

April 19-20, 2018

Programme

THURSDAY, APRIL 19

08:30	Session 1 - In-vivo or ex-vivo imaging of IRI Chairs: Faikah Gueler, Rémy Guillevin
Keynote Lectures	
08:30	Functional MRI to visualize renal pathophysiology after IRI and kidney transplantation - From mice to men Faikah Gueler (Hannover, Germany)
09:00	Ex-vivo evaluation of grafts by magnetic resonance imaging and spectroscopy Monique Bernard (Marseille, France)
09:30	Whole body molecular magnetic resonance imaging of inflammation Denis Vivien (Caen, France)
Abstract	
10:00	01 - Functional MRI to monitor renal perfusion alterations in a model of renal IRI induced hypertension and treatment effects <u>R. Greite</u> , R. Chen, B. Hensen, M. Meier, B. Hammock, S. Lee, D. Panigrahy, N. Schebb, K. Hueper, F. Gueler (Hannover, Wuppertal, Germany ; Boston, Davis, United States)
10:15	Survey on Session 1
10:25	Break
10:50	Session 2 - Role of the endothelium barrier Chairs: Alexandre Hertig, Raphael Thuillier
Keynote Lecture	
10:50	Endothelial glycocalyx and its role in IRI Michal Heger (Amsterdam, The Netherlands)
Abstracts	
11:20	02 - Treatment of rats with the omega fatty acid 3 formulation EPA: DHA 6:1 decreases the leukocyte microparticles-induced endothelial pro-inflammatory responses and senescence <u>A. Qureshi</u> , R. Altamimy, A. El Habhab, L. Amoura, M. Kassem, S. Khemais, M. Farooq, H. Hasan, P. Sin-Hee, F. El-Ghazouani, C. Auger, L. Kessler, V. Schini-Kerth, F. Toti (Strasbourg, France)

11:35	03 - Pulmonary ischemia-reperfusion in a rat model: impact of cardiopulmonary bypass on pulmonary endothelial dysfunction and systemic inflammation <u>J. Selim</u> , M. Hamzaoui, I. Boukhalfa, Z. Djerada, D. Gentil, E. Besnier, A. Dumesnil, S. Renet, P. Mulder, F. Doguet, B. Veber, F. Tamion, J.M. Baste (Rouen, France)
11:50	04 - Effect of endothelial glycocalyx shedding in orthotopic liver transplantation <u>F. Froghi</u> , A. Wafi, V. Male, B. Fuller, D. Martin, B. Davidson (London, United Kingdom)
12:05	Survey on Session 2
12:15	Symposium Hemarina From basic research to applied research, the story of the discovery of marine hemoglobin involved in the shaping of many therapeutic products: the example of HEMO2life for organ preservation Franck Zal, PhD/HDR/EMBA Chief Executive Officer/Chief Scientific Officer
13:00	Lunch
14:00	Session 3 - Normothermic perfusion: human trials Chairs: Patrick Hannaert, Sarah Hosgood
	Keynote Lectures
14:00	Normothermic perfusion technologies Sarah Hosgood (Cambridge, United Kingdom)
14:30	Inflammatory and immune response during normothermic perfusion James Fildes (Manchester, United Kingdom)
	Abstracts
15:00	05 - Ex-vivo normothermic renal hemo-perfusion: a functional exploration of transport and respiratory performances of pig kidneys after short-term cold-storage J. Kaminski, L. Mercier, H. Leuvenink, T. Hauet, <u>P. Hannaert</u> (Poitiers, France ; Groningen, The Netherlands)
15:15	06 - The physiological effects of altering oxygenation during ex-vivo normothermic kidney perfusion <u>T. Adams</u> , S. Hosgood, M. Nicholson (Cambridge, United Kingdom)



15:30	07 - Vascular obstruction in DCD kidneys is reduced by normothermic machine perfusion as told by robust method of quantification <u>J. Di Rito, S. Hosgood, G. Tietjen, M. Nicholson</u> (Cambridge, United Kingdom ; New Haven, United States)
15:45	Survey on Session 3
16:00	Session 4 - Ex-vivo Intervention Chairs: Julien Branchereau, Diethard Monbaliu
	Keynote Lecture
16:00	Assessment metabolism during hypothermia: new tools for an old unanswered question Jay Nath (Birmingham, United Kingdom)
	Abstracts
16:30	08 - Feasibility of delivering cell therapy during kidney ex-vivo normothermic perfusion <u>E. Thompson, I.K. Ibrahim, L. Bates, A. Sewpaul, B. Stenberg, A. McNeill, W. Scott, V. Roobrouck, A. Ting, S. Hosgood, M. Nicholson, N. Sheerin, A.J. Fisher, C. Wilson</u> (Leuven, Belgium ; Cambridge, Newcastle, United Kingdom ; Cleveland, United States)
16:45	09 - Antisense oligonucleotide therapy in renal transplant ischaemia reperfusion injury using an ex-vivo normothermic perfusion model <u>A. Sewpaul, R. Figueiredo, L. Bates, E. Thompson, W. Scott, S. Stamp, S. Hosgood, M. Nicholson, S. Ali, N. Sheerin, C. Wilson</u> (Cambridge, Newcastle, United Kingdom)
17:00	O20 - Belgium Transplant Society Award High oxygen pressure during continuous hypothermic machine perfusion is associated with a better ex vivo renal blood flow and early graft function in a porcine DCD auto-transplant model <u>T. Darius, P. Gianello, A. Buemi, M. De Meyer, M. Mourad</u> (Brussels, Belgium)
17:15	Survey on Session 4
17:30	Poster Session Chairs Group 1: Sarah Drouin, Jay Nath Chairs Group 2: Nicholas Gilbo, Sébastien Giraud
	You will find all posters details in the book of abstracts
19:00	End of the day

FRIDAY, APRIL 20

08:30	Session 5 - Role of B cells in IRI Chairs: Olivier Thaunat, Antoine Thierry
	Keynote Lectures
08:30	IgG polyreactivity, what it is and why should we care for I/R? Jordan Dimitrov (Paris, France)
09:00	The many roles of B cells in I/R (and reciprocally!) Joshua Thurman (Denver, USA)
	Abstract
09:30	O10 - Genetic deletion of DUSP3 phosphatase attenuates kidney damage and inflammation following ischemia/reperfusion in mouse <u>P. Rowart, L. Poma, S. Rahmouni, J.M. Krzesinski, F. Jouret</u> (Liège, Belgium)
09:45	Survey on Session 5
10:00	Session 6 - Can we play with gas? Chairs: Henri Leuveninck, Eric Savier
	Keynote Lectures
10:00	Protective properties of hydrogen sulfide in ischemia reperfusion Harry Van Goor (Groningen, The Netherlands)
10:30	Volatile anesthetics as preconditioning agents to prevent IRI after transplantation Gertrude Nieuwenhuijs-Moeke (Groningen, the Netherlands)
11:00	Survey on Session 6
11:10	Break
11:30	Session 7 - Miscellaneous Chairs: Cyril Moers, David Talbot
	Abstracts - Normothermic perfusion
11:30	O11 - Lessons learned from the clinical use of normothermic regional perfusion (NRP) in uncontrolled donation after circulatory death (UDCD) C. Antoine, E. Savoie, F. Gaudez, G. Cheisson, L. Badet, M. Videcoq, <u>B. Barrou</u> (Le Kremlin Bicêtre, Lyon, Nantes, Paris, Saint-Denis, France)

11:45	012 - Normothermic machine perfusion parameters correlate with early allograft function in DBD and DCD kidney transplants <u>S. Hosgood, K. Crick, C. Fear, M. Nicholson</u> (Cambridge, United Kingdom)
12:00	013 - The synthesis of coagulation factors during normothermic machine perfusion of livers is impaired by ischemia in pigs and might predict graft viability <u>N. Gilbo, M. Jacquemin, S. Lazzaro, T. Wylin, V. Heedfeld, J. Pirenne, I. Jochmans, D. Monbaliu</u> (Leuven, Belgium)
12:15	014 - Normothermic regional circulation for type 3 donation after circulation death (DCD). Results in liver transplantation of a french multicentric serie <u>E. Savier, M. Rayar, K. Boudjema, F. Dondero, O. Soubrane, R. Adam, D. Cherqui, D. Dorez, J.Y. Mabrut, P. Bucur, E. Salame, C. Jasseron, C. Antoine, O. Scatton</u> (Annecy, Clichy, Lyon, Paris, Rennes, Saint-Denis, Tours, Villejuif, France)
Ex-vivo intervention	
12:30	015 - Evaluation of outcomes in renal transplantation using machine perfusion for the preservation of kidneys from expanded criteria donors <u>M. Macher, C. Antoine, E. Savoye, O. Huot, M. Videcoq, C. Lamotte, P. Gatault, I. Abboud, M. Hazzan, A. Thierry, B. Barrou, C. Legeai, O. Bastien</u> (Lille, Nantes, Paris, Poitiers, Saint-Denis, Tours, France)
12:45	016 - Hypothermic pulsatile perfusion of human pancreas: A technical feasibility study <u>J. Branchereau, K. Renaudin, M. Videcoq, G. Karam, D. Cantarovich</u> (Nantes, France)
13:00	Lunch
14:00	<p>Session 8 - Ischemia reperfusion in organ transplantation: what else?</p> <p>Chairs: Henri Leuveninck, Clara Steichen</p> <p>Keynote Lecture</p> <p>Methylome analysis pre- and post-reperfusion of human renal graft Line Heylen (Leuven, Belgium)</p> <p>Abstracts</p>

14:30	017 - Targeted elimination of senescent cells to protect kidneys against ischemia reperfusion injury <u>H. Van Willigenburg</u> , P. De Keizer, R. De Bruin (Rotterdam, The Netherlands)
14:45	018 - Addition of different oxygen concentrations during long-term hypothermic machine perfusion in a clinically relevant porcine donation after circulatory death model <u>L. Venema</u> , A. Brat, C. Moers, R. Ploeg, P. Hannaert, T. Minor, H. Leuvenink (Poitiers, France ; Essen, Germany ; Groningen, The Netherlands ; Oxford, United Kingdom)
15:00	019 - Effect of pregabalin on kidney tissue in spinal cord ischemia reperfusion injury-induced rats E.U. Ceran, N. Inan, <u>A. Kucuk</u> , A. Ozer, A.D. Dursun, M. Tosun, M. Arslan (Afyonkarahisar, Ankara, Kutahya, Turkey)
15:15	Survey on Session 8
15:30	Conclusions Diethard Monbaliu Survey on the whole meeting

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Acknowledgements

The Organizing Committee wishes to extend its thanks and appreciation to the following sponsors for their contribution:



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