

ISCT Educational Course
The Use of Cell Therapies for Autoimmune Diseases:
MSCs from Biology to Clinical Application

January 25-26, 2024 - Paris, France
AP-HP St-Louis, Paris University

DAY 1 – January 25

12:00 – 12:45 **Arrival refreshments**

12:45 – 13:00 **Introduction – MSC for Treating Patients with Autoimmune Diseases: Dream or Reality?**

Dominique Farge, MD, PhD, Professor of Internal Medicine, AP-HP St-Louis, Paris University, France

Co-Moderators: *Damian Garcia-Olmo, MD, PhD, Professor of Surgery, Autonomous University of Madrid, Spain and Mark Lowdell, PhD, Professor, Institute of Immunity & Transplantation, Royal Free Hospital, United Kingdom*

13:00 – 13:30 **Mesenchymal Stem Cell (MSC) Biology**
(presentation + discussion)

Karin Tarte, Pharm D, PhD, Director UMR U1236-MOBIDIC, Head of Honeycomb Research Team, Head of the Immunology Lab at Rennes University Hospital, Head of Rennes Immunomonitoring Platform (SITI), Medical School of Rennes, France

13:30 – 14:00 **Umbilical Cord Blood Biology**
(presentation + discussion)

Gesine Kogler, PhD, Professor, Heinrich Heine University Düsseldorf, Germany

14:00 – 14:30 **Paracrine Mechanisms of Mesenchymal Stem Cells in Tissue Repair**
(presentation + discussion)

Massimiliano Gneccchi, MD, PhD, FESC, Associate Professor of Cardiology, University of Pavia, Italy

14:30 – 14:45 Group discussion

14:45 – 15:15 **Coffee Break**

Co-Moderators: *Karin Tarte, Pharm D, PhD, Director UMR U1236-MOBIDIC, Head of Honeycomb Research Team, Head of the Immunology Lab at Rennes University Hospital, Head of Rennes Immunomonitoring Platform (SITI), Medical School of Rennes, France and Dominique Farge, MD, PhD, Professor of Internal Medicine, AP-HP St-Louis, Paris University, France*

15:15 – 15:45 **Production, regulation and quality of MSC cell products**
(presentation + discussion)

Fermin Sanchez-Guijo, MD, PhD, Head of Section, Hematology Department, University Hospital of Salamanca, Spain

- 15:45 – 16:15** **Success Stories**
MSC – the first success to ongoing developments (GVHD)
 (presentation + discussion)
Katarina Le Blanc, MD, PhD, Professor, Karolinska Institute, Sweden
- 16:15 – 16:35** **MSC for Crohn's Disease**
 (presentation + discussion)
Damian Garcia-Olmo, MD, PhD, Professor of Surgery, Autonomous University of Madrid, Spain
- 16:35 – 16:55** **MSC for GI Diseases in Europe**
 (presentation + discussion)
Rachele Ciccocioppo, MD, Associate Professor of Gastroenterology, University of Verona, Italy
- 16:55 – 17:10** **Group discussion**
17:10 – 17:30 **Wrap-up Day 1**

DAY 2 – January 26

08:00 – 08:30 **Arrival refreshments**

Co-Moderators:

Fermin Sanchez-Guijo, MD, PhD, Head of Section, Hematology Department, University Hospital of Salamanca, Spain and Katarina Le Blanc, MD, PhD, Professor, Karolinska Institute, Sweden

08:30 – 09:15 **Regulatory framework for MSC application in EMA**
 (presentation + discussion)
Lindsay Davies, BSc (Hons), PhD, FHEA, CEO and Founder CellTherEx Consulting AB and CSO NextCell Pharma AB, Sweden

09:15 – 09:45 **MSC Umbilical Cord Blood Production for Clinical Trial?**
 (presentation + discussion)
Mark Lowdell, PhD, Professor, Institute of Immunity & Transplantation, Royal Free Hospital, United Kingdom

09:45 – 10:15 **Statistical considerations for clinical trial design when using MSC to treat AD: how to face with heterogeneity**
 (presentation + discussion)
Lucie Biard, MD, PhD, Associate Professor in Biostatistics, University of Paris, France

10:15 – 10:45 **Coffee Break**

Co-Moderators:

Lindsay Davies, BSc (Hons), PhD, FHEA, CEO and Founder CellTherEx Consulting AB and CSO NextCell Pharma AB, Sweden and Raffaella Greco, MD, PhD, Senior Haematologist, Blood and Marrow Transplant Unit, San Raffaele Scientific Hospital (IRCCS), Italy

10:45 - 11:15

MSC for RA joints

(presentation + discussion)

11:15 – 11:45

Yves-Marie Pers, MD, PhD, Professor of Medicine , INSERM U1183, France

MSC for Systemic Sclerosis

(presentation + discussion)

11:45 – 12:15

Dominique Farge, MD, PhD, Professor of Internal Medicine, AP-HP St-Louis, Paris University, France

MSC for SLE

(presentation + discussion)

12:15 – 12:45

Lingyun Sun, MD, PhD, Professor, Department of Rheumatology and Immunology, Nanjing University Medical School, China

MSC for SLE

(presentation + discussion)

12:45 – 13:00

Discussion on MSC in Rheumatic Diseases

13:00 – 14:00

Lunch & Networking

Co-Moderators: *Laure Michel, MD, PhD, Clinical Neurologist, Rennes University, France and Eliane Gluckman, MD, PhD, Professor Emeritus of Hematology, Paris University, France*

14:00 – 14:30

MSC for Neurological Diseases

(presentation + discussion)

Antonio Uccelli, MD, Professor of Neurology, University of Genoa, Italy

14:30– 15:00

MSC for Autism

(presentation + discussion)

Joanne Kurtzberg, MD, Director, Marcus Center for Cellular Cures, Director, Carolinas Cord Blood Bank, Co-Director, Stem Cell Transplant Laboratory, Jerome Harris Distinguished Professor of Pediatrics, Professor of Pathology, Duke University, USA

15:00 – 15:30

Discussion + Closing Remarks

Dominique Farge and Fermin Sanchez-Guijo

15:30 – 17:30

Manuscript Discussion - Recommendations for Clinical Trials

Moderators: *Lindsay Davies, Lucie Biard, Fermin Sanchez-Guijo, Dominique Farge*