

TRAINING PROGRAM FOR AN INTER-UNIVERSITY DIPLOMA IN CELL THERAPY – ADULTS & PEDIATRICS

Duration 77 h : Theoretical Module 38 h + Practical Training Module 36 h + a 3 h theoretical exam

Theoretical Module : Monday, 14th to Friday Jan. 18th 2008

Monday, January 14th 2008

Morning 08h30-12h00

- Ontogenesis M. Tavian, Paris
 - Human Embryonic Cells J. De Vos, Montpellier
- Afternoon : 13h30 – 18h00
- Embryonic Cells and Cell Plasticity J. De Vos, Montpellier
 - Micro-environment R. Henschler, Francfort
 - Haematopoietic growth factors H. Bertz, Freiburg
 - Hematopoiesis inhibitors E. Wunder, Mulhouse

Tuesday, January 15th 2008

Morning : 08h30-12h15

- Apoptosis B. Drénou, Mulhouse
 - Adhesion molecules : mobilization/homing H. Sovalat, Mulhouse
 - Collection of haematopoietic stem cells :
 - Adults M. Ojeda, Mulhouse
 - Pediatrics J. Kanold, Clermont-Ferrand
 - Freezing, cryopreservation of stem cells Y. Arkam, Mulhouse
J. Kanold, Clermont-Ferrand
- Afternoon : 13h45-18h15
- CD34 Quality control B. Drénou, Mulhouse
 - Gene therapy N. Cartier, Paris
 - Alloreactivity (to be determined)
 - Residual disease A. Tchirkov, Clermont-Ferrand

Wednesday, January 16th 2008

Morning : 08h30-12h30

- Cardiomyoplasty :
 - with blood stem cells Ph. Hénon, Mulhouse
 - with myoblasts K. Azarnoush, Clermont-Ferrand
 - Arteritis of lower limbs B. Pignon, Paris
 - Diabetes and cell therapy L. Kessler, Strasbourg
- Afternoon : 13 h30-18h15
- Purging and stem cell expansion L. Douay, Paris
 - Bones and cell therapy : Experimental K. Anselme, Mulhouse
 - Bones and cell therapy : Applications S. Descamps, Clermont-Ferrand
 - Ophthalmology and cell therapy F. Chiambaretta, Clermont-Ferrand

Thursday, January 17th January 2008

Morning : 08h30-12h00

- Extracorporeal photochemotherapy J. Kanold, Clermont-Ferrand
 - Post-graft haematopoietic recovery Ph. Hénon, Mulhouse
 - Neuroblastoma : transplantation and gene therapy F. Deméocq, Clermont-Ferrand
- Afternoon : 14h00-17h45
- Myeloma and autografting J.F. Rossi, Montpellier
 - Haematopoietic stem cell allografts and «mini» allografts P. Bordigoni, Nancy
 - Cord blood transplantations G. Michel, Marseille

Friday, January 18th 2008

Morning : 08h30-12h30

- Cell cultures and applications :
 - Endothelial cells E. Wunder, Mulhouse
 - Cardiomyocyte cells S. Vallejo, Mulhouse
 - Mesenchymal cells L. Sensebé, Tours
 - Dendritic cells and vaccinations N. Schwabe, Freiburg
- Afternoon : 14h00-18h45
- Round table
 - Cell therapy regulation
 - Registration and regulation in France J.P. Jouet, Lille
 - Regulation in Europe H. Espérou, Paris
 - Quality control/Organization of a cellular therapy laboratory V. Rimelen Mulhouse, L. Sensebé
 - JACIE Procedures J. Kanold, V. Rimelen
 - General discussion

Practical Training module : Monday, May 19th to Friday, May 23rd 2008

Training in one of the two Cell Therapy Centres implied in this diploma (Mulhouse and Clermont-Ferrand Universities)

Practical training program :

- COMMON TO BOTH SIDES
 - Graft quality control : FCM, cultures of haematopoietic progenitors 1 day
 - Study of residual disease : FCM, molecular biology 1 day
 - Cell sorting / selection 1 day
 - Graft collection observation
 - ReInjection of grafts in a clinical haematology department observation
 - Quality control/Cell products tracking 1/2 day TP
- SPECIFICITIES TO EACH SITE 1 day TP
 - Mulhouse : Autologous haematopoietic stem cell transplantation, cellular cardiomyoplasty, experimental bone
 - Clermont-Ferrand : Pediatrics orientation (graft collection and purging in Neuroblastoma), extracorporeal chemotherapy

Theoretical exam (1st module): Friday, May 23rd 2008 - 14h00 to 17h00

REPORT

A written report involving personal research will concern either a practical or a theoretical approach in relation with one of the aspects developed during the training. This work should be returned by October, 31st 2008 and can be written either in french or english.

INTER-UNIVERSITY DIPLOMA IN CELL THERAPY

The diploma is delivered to all candidates who successfully achieved the 1st module exam, the practical training and the written report with an « honourable mention » attributed by the jury.

EDUCATIONAL RESPONSIBLES

Teaching Director: Ph. HENON, MD, Head of the 'Institut de Recherche en Hématologie et Transplantation' (IRHT), Professor at 'Université de Haute Alsace', Mulhouse

Teaching Co-Director : Justyna KANOLD, MD, Head of the 'Unité Bioclinique de Thérapie Cellulaire' - Pediatrics B at 'Centre Hospitalier Universitaire d'Auvergne', Clermont-Ferrand

B. DRENOU, MD : Head of Hematology Dept. – Centre Hospitalier, Mulhouse

M. Arnaud HAERINGER, Director of SERFA 'Université de Haute Alsace', Mulhouse

ATTENDEES

MDs, Pharmacists, Veterinarians, PhD in Human Biology, Haematology and/or Pediatrics Interns/Residents, Biomedical Engineers (pharmaceutical industry), from European Union

AIMS

- Approach of « Regenerative Medicine » while learning cell therapy through all its various developmental aspects : hemato-oncology, cardiology, neurology, orthopedics, immunology, ophthalmology, diabetes mellitus
- Considering the spectacular evolution in these field, update of knowledge in hematopoiesis and technical development in cell therapy,
- Facilitate a subsequent integration in any cell therapy unit (research, clinical or industrial) to the holders of our Inter-University Diploma

FEEES

1 600 €

Including : registration fees, conferences, practical training, documentation, coffee breaks and luncheons during the theoretical module

ORGANISATION - LOCATION

Duration : 77 hours spread over 2 weeks including a 3 h examination + writing of a report

Dates : January 14th to January 18th 2008, and May 19th to May 23rd 2008

Locations : • 1 week of theoretical teaching at SERFA building 'Université de Haute-Alsace', Mulhouse

- 1 week of practical training in one of the 2 cell therapy centres :Clermont-Ferrand or Mulhouse.

Students will be assigned to one of the two locations according to either their geographical location or to the centre specificity that will most attract them.

Classes and practical training will be either in french or in english, always with an english audiovisual support

INFORMATION - REGISTRATION

Catherine MULLER

SERFA - Service de Formation Continue de l'Université de Haute Alsace

18 rue des Frères Lumière - 68093 Mulhouse Cedex

tél. : 03 89 33 65 00 - Fax : 03 89 33 65 33 / e-mail catherine.muller@uha.fr - site : www.serfa.fr/



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AMGEN France

Inter-University Diploma

CELL

THERAPY

Adults and pediatrics

Mulhouse and Clermont-Ferrand

2007-2008 SESSION

