SWG ON GRANULOCYTES AND MONOCYTES DISORDERS

FOCUS AND MISSION

The SWG is mainly focused on clinical and research programs on genetic and non genetic disorders in which functions and/or number of neutrophils is hampered. Due to the particular nature of these diseases, that often involve other cell lineages or functions (i.e. T, B and NK cells) and due to the tendency to develop cancers primarily, leukemias, link with marrow failure disorders and leukemogenesis may became, at a time, quite tight.

The mission is to improve and to voice knowledge on granulocytes/monocytes and related disorders potentiating exchange of scientific and clinical information and experience in the framework of coordinated actions. Attention is dedicated to juniors clinicians through educational activities.

CHAIR AND AFFILIATION

Carlo Dufour, MD, Head Haematology Unit, IRCCS Istituto Giannina Gaslini, Via G. Gaslini 5, 16147 Genova, Italy. carlodufour@gaslini.org

BOARD MEMBERS AND TERMS

Jean Donadieu, MD. Service d’Hématologie Pédiatrique, Registre des neutropénies congénitales, AP-HP Hopital Trousseau, 26 avenue du Dr Netter, Paris, France. jean.donadieu@trs.aphp.fr

Francesca Fioredda, MD. Haematology Unit, IRCCS Istituto Giannina Gaslini, Via G Gaslini 5, 16147 Genova, Italy. francescafioredda@gaslini.org

Jan Palmblad, MD. Department of Medicine, Karolinska Institutet Stockholm, Sweden. jan.palmblad@ki.se

Helen Papadaki, MD. Department of Hematology, University of Crete School of Medicine, University Hospital of Heraklion. epapadak@med.uoc.gr

Cornelia Zeidler, MD. Department of Paediatric Haematology/Oncology, Medical University Hannover, Hannover, Germany. zeidler.cornelia@mh-hannover.de

The board has been appointed on June 2011, at the London Meeting. It has been recently proposed at the level of the SWG Unit that the Chair might continue up to June 2015. This proposal has been accepted by the Board and by Members of our SWG. The SWG re-applied to EHA in July 2015 and re-submission was accepted.

CONFLICT OF INTERESTS OF THE BOARD

None 2

MEMBERSHIP LIST WITH NAMES AND EMAIL ADDRESSES

<table>
<thead>
<tr>
<th>NAME</th>
<th>EMAIL</th>
<th>AFFILIATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALVILLO MICHAELA</td>
<td><a href="mailto:MichaelaCalvillo@gaslini.org">MichaelaCalvillo@gaslini.org</a></td>
<td>Haematology Unit, IRCCS Istituto Giannina Gaslini, Genova, Italy</td>
</tr>
<tr>
<td>CARLSSON GORAN</td>
<td><a href="mailto:goran.carlsson@ki.se">goran.carlsson@ki.se</a></td>
<td>Department of Medicine, Karolinska Institutet Stockholm, Sweden</td>
</tr>
<tr>
<td>CHANTRAIN CHRISTOPHE</td>
<td>christophe.chantrain@uclouvain</td>
<td>Catholic University of Louvain</td>
</tr>
</tbody>
</table>
CONNOR PHILIP
philip.connor@wales.nhs.uk
Connor Philip.
Children’s Hospital for Wales
Brussels, Belgium

DALE DAVID C
dcdale@uw.edu
dcdale@u.washington.edu
Dale D. C.
University of Washington, Seattle, USA

DELAPORTA POLYXENI
polyxenidelaporta@yahoo.gr
Jean Delaporta
University of Athens, Service d’Hémato-Oncologie
Pédiatrique Registre des neutropénies congénitales, AP-HP Hospital Trousseau, Paris, France

DONADIEU JEAN
jean.donadieu@trs.aphp.fr;
donadieu-donadieu.genc@wanadoo.fr
Jean Donadieu
Service d’Hémato-Oncologie
Pédiatrique Registre des neutropénies congénitales, AP-HP Hospital Trousseau, Paris, France

FIOREDDA FRANCESCA
francescafioredda@gaslini.org
Francesca Fior Freda
Haematology Unit, IRCCS Istituto Giannina Gaslini, Genova, Italy

KALPADAKI CHRISTINA
xkalpadaki@yahoo.gr
Kalpadaki Christina
University Hospital of Crete - Greece

KAPAROU MARIA
markaparou@yahoo.gr
Maria Kaparou
University Hospital of Crete - Greece

KATTAMIS ANTONIS
ankatt@med.uoa.gr
Antonis Kattamis
University of Athens, Haematology Unit. IRCCS Istituto Giannina Gaslini, Genova, Italy

KINSEY SALLY
sally.kinsey@leedsth.nhs.uk
Sally Kinsley
Leeds, UK

LANCIOTTI MARINA
marinalanciotti@gaslini.org
Marina Lanciotti
Haematology Unit. IRCCS Istituto Giannina Gaslini, Genova, Italy

MENNA GIUSEPPE
Giumenna56@libero.it
Menna Giumenna
Haematology Unit, Pausilipon Hospital, Napoli

O’KELLY JAMES
okellyj@amgen.com
O’Kelly James
Amgen, UK

PALMBLAD JAN
jan.palmblad@ki.se
Jan Palmblad
Department of Medicine, Karolinska Institute Stockholm, Sweden

PAPADAKI HELEN
epapadak@med.uoc.gr
Helen Papadaki
Department of Hematology, University of Crete School of Medicine, University Hospital of Heraklion, Greece

PESOLA JOUNI
Jouni.pesola@kuh.fi
Jouni Pesola
Kuopio University Hospital, Finland

PONTIKOGLAV
pontikoglav@yahoo.com
Pontikoglou
University of Crete, Dept. of Hematology

CHARALAMPOS
ponticoglou@yahoo.com
Charalampos Pontikoglou
Clinica Pediatrica - Padova, Italy

PUTTI M. CATERINA
Mariacaterina.putti@unipd.it
Putti
“St Maria Children’s Hospital, Iasi. Romania.

SCHMIDT MADALINA
madalina_schmidt@yahoo.com
Madalina Schmidt
Univeristy of Cairo, Egypt

SHERIF BADAWY
sh_badawy_911@yahoo.com
Sherif Badawy
University of Cairo, Egypt

LIST OF ACTIVITIES
(SWG Meetings, invited lectures, social & public activities)

- Annual SWG Meeting at the 21st EHA congress, Copenhagen, June 2016.
- Carlo Dufour: gave 2 invited lectures in Italian Pediatric Hematology Centres.
  Chairered sessions and gave talks in National Italian Meetings.
  Chairered 1 session at the AA/MDS Meeting, Bethesda, March 2016
  Chairered 1 session at the annual EBMT Congress 2016 in Valencia.
  Gave 2 talks at the annual EBMT Congress 2015 in Valencia.
Chaired 1 session and gave 1 talk at the Educational on AA and BMF, EBMT, Paris November 2016
Chaired and gave 2 talks in Italian Centers
  - Jean Donadieu: gave 1 talks at the SCNIR meeting, San Diego, December 2016 and in French Centres*
  - Francesca Fioredda: gave 1 talks at the SCNIR meeting, san Diego, December 2016. gave 1 talk at the Educational on AA and BMF, EBMT, Paris November 2016
  - Helen Papadaki: gave 1 talk at the Annual EHA congress in Copenhagen, June 2016 and talks in Greek Centres*
  - Jan Palmblad: gave talks in Swedish Centres *
  - Conni Zeidler: gave talks in German Centres, Chaired the Annual LL Physician Meeting of the European Brench of the SCNR*

*For these members, activities were derived by common initiatives at the level of SWG on Monocyte and Granulocyte disorders. Other Chairings and talks not related to these initiatives may be missing.

LIST OF OTHERS SCIENTIFIC ACTIVITIES
(trials, collaborations and translational work).
- Annual LL Physician Meeting of the European Brench of the SCNIR that was attended by numerous member of the SWG on Granulocytes and monocytes disorders.

LIST OF GRANTS OBTAINED BY THE SWG
None 4

LIST OF PUBLICATION FROM OR RELATED TO THE SWG
year 2016 (papers from individual members/group)

DUFOUR:

Old and new faces of neutropenia in children.
Dufour C, Miano M, Fioredda F.

Evaluation of energy metabolism and calcium homeostasis in cells affected by Shwachman-Diamond syndrome.

Somatic, hematologic phenotype, long-term outcome, and effect of hematopoietic stem cell transplantation. An analysis of 97 Fanconia anemia patients from the Italian national database on behalf of the Marrow Failure Study Group of the AIEOP (Italian Association of Pediatric Hematology-Oncology).

Characteristics and outcomes of aplastic anemia in HIV patients: a brief report from the severe aplastic anemia working party of the European Society of Blood and Bone Marrow Transplantation.

Pearson Syndrome: A Retrospective Cohort Study from the Marrow Failure Study Group of A.I.E.O.P. (Associazione Italiana Emato-Oncologia Pediatrica).

DONADIEU:
Application of whole-exome sequencing to unravel the molecular basis of undiagnosed syndromic congenital neutropenia with intellectual disability.

Altered chemotactic response to CXCL12 in patients carrying GATA2 mutations.

FIOREDDA:
Long-term use of pegfilgrastim in children with severe congenital neutropenia: clinical and pharmacokinetic data.

Candida infections in paediatrics: Results from a prospective single-centre study in a tertiary care children's hospital.

Old and new faces of neutropenia in children.

PAPADAKI:
Cytogenetic evaluation of mesenchymal stem/stromal cells from patients with myelodysplastic syndromes at different time-points during ex vivo expansion.
How we diagnose and treat neutropenia in adults.
Palmblad J, Nilsson CC, Höglund P, Papadaki HA.

The Stat3/5 Signaling Biosignature in Hematopoietic Stem/Progenitor Cells Predicts Response and Outcome in Myelodysplastic Syndrome Patients Treated with Azacitidine.

ZEIDLER:

GM-CSF treatment is not effective in congenital neutropenia patients due to its inability to activate NAMPT signaling.

Role of CSF3R mutations in the pathomechanism of congenital neutropenia and secondary acute myeloid leukemia.
Klimiankou M, Mellor-Heineke S, Zeidler C, Welte K, Skokowa J.

Two cases of cyclic neutropenia with acquired CSF3R mutations, with 1 developing AML.
Blood. 2016 May 26;127(21):2638-41

ELANE mutant-specific activation of different UPR pathways in congenital neutropenia.

PALMPLAD:

Prevalence and clinical significance of neutropenia discovered in routine complete blood cell counts: a longitudinal study.

How we diagnose and treat neutropenia in adults.
Palmblad J, Nilsson CC, Höglund P, Papadaki HA.
LIST OF ACTIVITIES AND PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS RELATED TO THE NEUTROPENIA TOPIC

Carlo Dufour
- chaired the SWG on Granulocyte session and monocyte disorders at the 21th Annual EHA congress in Copenhagen in June 2016.
- Presented as invited speaker at two Italian meetings

Jean Donadieu*
- sent a report of the French Registry of Neutropenias to the web site of the www.ceredih.fr.

Francesca Fioredda
- presented two posters at the 21th Annual EHA congress in Copenhagen in June 2016.
- presented an oral at the SCINR meeting December 2016, San Diego

Helen Papadaki*
- chaired and presented at Greek meetings
- gave a talk at the SWG meeting on Granulocytes and Monocytes disorders, EHA Annual Congress Copenhagen June 2016

Cornelia Zeidler*
- chaired an presented at the 2016 Annual Meeting of the Severe Chronic Neutropenia International Registry (SCNIR), European branch.
- presented posters at the 21th Annual EHA congress in Copenhagen in June 2016.

*For these members, activities were derived by common initiatives at the level of SWG on Monocyte and Granulocyte disorders. Other activities on neutropenia may be missing.

Genova, March 1st, 2017