IAPIDS Advanced PID School 2020 Report

Lisbon, Portugal from January 30 to February 2, 2020.

This year’s 1st IAPIDS Advanced PID School that was held in Lisbon (Portugal) from 30th January to 2nd February 2020 was jointly organized by the International Alliance for Primary Immunodeficiency Societies (ESID, APSID, ASID, CIS, LASID).

Participation in this event gave an excellent opportunity to ESID Junior Faculty Members to continue advancing their knowledge around primary immunodeficiencies, the diagnosing of such disorders, and optimal management strategies. Moreover, the IAPIDS Advanced PID School has offered ESID Junior Faculty Members an unparalleled and unique opportunity to interact with other leaders in the field, both junior and senior IAPIDS faculty, to share professional experiences and network around primary immunodeficiency diseases.

Networking activities included breakfast sessions, evening dinners and career mentoring sessions. These opportunities provided important time for junior faculty to connect with their peers and faculty in order to foster future collaborations.
‘Meet & Greet’ breakfast sessions were informal breakfast gatherings with 2-3 faculty per table where participants could initiate discussions on any topic of their interest and use this opportunity to get to know the peers as well as the faculty better.

‘Career Mentoring’ sessions
Participants joined round-table career planning discussions with the faculty on: Demystifying success, Fundraising, Networking, Growing pains and conflict resolution. During these sessions, junior faculty had the opportunity to interact with their mentors in a casual setting to gain advice on their future career choices.

‘Cases presentations’
Each attendee presented a case followed by a group discussion of the appropriate management or diagnostic strategies. Each of them was assigned a faculty member to serve as a “mentor” throughout the School. Each faculty mentor reviewed their assigned attendee’s presentation prior to the School to offer any constructive feedback in order to enhance the discussion. Thus, the IAPIDS Advanced School provided a unique opportunity for attendees to gain further expertise to boost their own careers and the people they train.
Comments from faculty and participants

• “I thought the sessions and cases were great. The discussion that was generated was very informative. Great opportunities to socialize and network. These will be people that I know I will see, work and collaborate with for much of my career” (Participant – Nick Hartog)

• “This is probably the best immunology school I have been to. While it was curious that there were no lectures by the senior faculty, it is quite true that we have an abundance of textbooks, reviews, and online material if learning is the objective. What made the school successful was the quality and specific selection of attendees. The senior faculty are really key figures, so there is not much to say there. For the participants, I felt I could relate to many of them as we are on the same level, at the stage we are in the process of or recently becoming independent. I think the selection committee has an important role to ensure this continues in the coming schools. The small group sessions were outstanding. I would have liked more of that…” (Participant – Samuel Chiang)

• “I think that this program was outstanding, and I hope that it will happen next year. It is essential for the junior faculties to be part of these schools. It allows them to learn about rare immunodeficiencies as well as meet their peers. Congratulations” (Participant – Yael Gernez)
• “I thought the IAPIDS school was an outstanding educational opportunity. It was a great mix of case-based learning and then teaching pearls from senior and junior faculty.” (Participant - Sara Barmettler)

• “The IAPIDS PID School was better than I expected. I came back home feeling encouraged and inspired to take another step in my career. Good to also hear the other participants talk about their hurdles and successes!” (Participant - Jenny Lingman Framme)

• “What a great School! Thanks to all that were involved in the organization and the event itself: everyone did a fantastic job. It was quite an experience to most if not all the students and to me as well!” (Faculty - Jose L. Franco)

• “I wanted to thank you for such a wonderful IAPIDS school! I heard some fantastic feedback from several of our young faculty!” (Faculty - Rebecca Marsh)

• “It’s been an absolute honour and pleasure meeting you and the rest of the faculty! Likewise, the verbal feedback from junior faculty I spoke too was really good and encouraging to continue this new culture!” (Faculty - Nahla Erwa)

• “My heartfelt thanks to all, but especially to all the member organization’s boards!!! You all made this possible and - I believe - fruitful as well!!!!!!” (Faculty - Mikko Seppänen)

• Thanks mostly to all the faculty for your availability to be there and get so well involved! Thanks to Olga for the great logistic and organizational support that made everything smooth, without her this wouldn’t have been possible. I think at the end that we succeeded quite well, people where so happy to be able to experience the differences, to network among each other and with faculty and make possible new friends. I believe that the initial goal driving the idea of having an international PID school was well achieved. I feel that proper training and education methods cannot be standardized and should be left to different societies/countries. I am happy that what was just a vague idea/vision I had, became reality. I hope this is just a start...Good luck to whom will take over! (Faculty - Eleonora Gambineri)
Program and Faculty

FACULTY

APSID
Dr. Pamela Lee
ppwlee@hku.hk
Studies: MBBS, MD: The University of Hong Kong; Clinical and Research Fellow, UCL Great Ormond Street Institute of Child Health (UK)
Workplace: Department of Paediatrics & Adolescent Medicine, Queen Mary Hospital, LKS Faculty of Medicine, HKSAR, China; Department of Paediatrics & Adolescent Medicine, Hong Kong Children’s Hospital, HK SAR; Department of Pediatrics, HKU-Shenzhen Hospital, China
Scientific topics of interest: Inflammasome biology and type I interferon signaling Immunoregulatory functions of mesenchymal stromal cell-derived extracellular vesicles

Dr. Satoshi Okada
saok969@gmail.com
Studies: Investigating genetic etiologies and molecular pathogenesis of patients with primary immunodeficiency, especially focusing on the defect of innate immunity
Workplace: Department of Pediatrics, Hiroshima University, Japan
Scientific topics of interest: Inborn error of STAT1 immunity, Chronic mucocutaneous, candididasis (CMC), Mendelian susceptibility to mycobacterial diseases (MSMD)

ASID
Dr. Nahla Hashim Hassan Erwa
nahaerwa2002@yahoo.co.uk
Studies: MBBS, University of Khartoum; Part I of the MD in Pathology, University of Khartoum, DipRCPath Immunology, UK; Trained as an adult clinical immunologist, Newcastle, UK
Workplace: Assistant Professor, Consultant Clinical Immunologist; Faculty of Medicine and Soba University Hospital, University of Khartoum, Chairperson of the Clinical Immunology Specialty Council (CISC), Sudan Medical Specialization Board (SMSB)
Scientific topics of interest: Primary Immunodeficiency disease

CIS
Prof. Sergio Rosenzweig
rosenzweig@cc.nih.gov
Studies: MD & PhD: University of Buenos Aires, Argentina; Immunology fellowship: National Pediatric Hospital, Buenos Aires, Argentina
Workplace: Immunology Service, Dept. of Laboratory Medicine, NIH Clinical Center, NIH, Bethesda, MD, US
Scientific topics of interest: Genetic susceptibility to infectious diseases (mycobacteria, fungi); glycosylation defects, IKAROS

Dr. Steve Holland
smh@nih.gov
Studies: natural history and host genetics of nontuberculous mycobacterial diseases; natural history and host genetics of coccidioidomycosis
Workplace: National Institute of Allergy and Infectious Diseases, National Institutes of Health, USA
Scientific topics of interest: Infections in immune deficiency; mycobacterial infections
Prof. Kate Sullivan
sullivank@email.chop.edu
Studies: Epigenetics of inflammation, monogenic and somatic causes of disease
Workplace: The Children’s Hospital of Philadelphia, USA
Scientific topics of interest: Rubella, epigenetics

Dr. Rebecca Marsh
Rebecca.Marsh@cchmc.org
Studies: Primary Immune Deficiency Diagnostics, Bone Marrow Transplant, XIAP and HLH Treatment
Workplace: Cincinnati Children’s Hospital Medical Center, USA
Scientific topics of interest: Cancer and Blood Diseases, Immune Deficiencies and Histiocytosis, Bone Marrow Transplantation, Hemophagocytic lymphohistiocytosis, XIAP Deficiency

ESID
Prof. Isabelle Meyts
Isabelle.Meyts@uzleuven.be
Studies: Medicine, Pediatrics, Pediatric Pulmonology, Pediatric Hemato-Oncology and Immunology
Workplace: University Hospitals Leuven, Belgium
Scientific topics of interest: Inborn errors of immunity (esp. ADA2 deficiency and innate immune system defects)

Prof. Eleonora Gambineri
eleonora.gambineri@unifi.it
Studies: Assistant Professor (2005-2018)/Associate Professor (2018-to date), University of Florence, Anna Meyer Children’s Hospital Clinical Attachment, Children’s BMT Unit-Newcastle General Hospital, Newcastle upon Tyne, UK
Workplace: University of Florence-Anna Meyer Children’s Hospital, Department of Haematology/Oncology-BMT Unit, Associate Professor of Pediatrics
Scientific topics of interest: Immune dysregulation (IPEX girl!), HSCT/ Immunoreconstitution, Cellular therapies

Prof. Despina Moshous
despina.moshous@inserm.fr
Studies: MD: Ruhruniversität Bochum, Strasbourg, Montpellier, Residency Paediatrics: Bonn, Paris, Brescia, Düsseldorf, PhD: Université Paris Descartes
Workplace: Paediatric Immunology, Haematology and Rheumatology Hôpital Necker-Enfants Malades, Paris & INSERM UMR1163 Genome Dynamics in the Immune System
Scientific topics of interest: Primary Immunodeficiencies, HSCT for Inborn Errors of the Immune system, Primary HLH, T cell deficiencies, V(D)J recombination/DNA repair

Prof. Mikko Seppänen
mikko.seppanen@hus.fi
Studies: University of Helsinki, Finland; Specialist in Infectious Diseases and Internal Medicine (Adult)
Workplace: Chief, Rare Diseases Center, Children and Adolescents, New Children’s Hospital & Adult Immunodeficiency Unit, Inflammation Center; HUS Helsinki University Hospital
Scientific topics of interest: CVID, novel genetic PIDDs and autoinflammation in these, machine-learning and AI in decision support
LASID
Prof. Antonio Condino-Neto
antoniocondino@gmail.com
Studies: Physician and Residency University of Campinas Medical School. PhD in Pharmacology Institute of Biomedical Sciences, University of São Paulo; Post Doctoral Training in Molecular Medicine, University of Massachusetts Medical School, USA
Workplace: Department of Immunology, Institute of Biomedical Sciences, University of São Paulo; The Jeffrey Modell Center São Paulo – Brazil
Scientific topics of interest: Chronic Granulomatous Disease, Hyper IgM, Newborn Screening SCID, and Tuberculosis and other Tropical Diseases associated with Primary Immunodeficiencies

Prof. Jose Luis Franco
jose.franco@udea.edu.co
Studies: MD: Pontificia Bolivariana University Colombia; MSc: University of Antioquia, Colombia; PhD: University of Antioquia and NHGRI, USA; Posdoctoral training: National Cancer Institute, USA
Workplace: University of Antioquia, Colombia
Scientific topics of interest: Antibody deficiencies, Defects in intrinsic and innate immunity

PROGRAM

Thursday, January 30 (6:00pm - 9:30pm)
5:00-6:00pm - Faculty meeting: Logistics and organization discussion

6:00-6:30pm - Registration
6:30-6:45pm - Welcome, School aims, goals & plans for the event
note: meet & grit with faculty and attendees, interact, shared/mixed tables, not fixed places, etc.

6:45-8:15pm - Introductions
note: each participant will introduce her-/himself, country, center and work focus, where do they see themselves in 5y, and a “fun fact” about them; questions from the group will be encouraged
8:15-9:30pm - Opening reception

Friday, January 31 (7:30am -10:00pm)
7:30-8:00am - Meet & Greet Breakfast
note: 2-3 faculty/table; ice -breaking question: where am I in my career, how close or how far from where I want to be?
8:00-10:30am Case presentation - Block 1
Moderators: Kate Sullivan/Mikko Seppanen
note: 25’ per presenter; suggested: 7’ presentation +18’ discussion

• ESID Peter Olbrich
• LASID Carlos Andres Arango Franco
• CIS Candace Rypien
• CIS Sara Barmettler
• LASID Saul Lugo Reyes
10:30-11:00am Morning brake

11:00am-1:30pm  Case presentation - Block 2
Moderators: Despina Moshous/Nahla Hashim/Steve Holland
note: 25’ per presenter; suggested: 7’ presentation + 18’ discussion

- ESID  Luz Yadira Bravo Gallego
- CIS  Samuel Chiang
- CIS  Carolyn Baloh
- CIS  Edith Schussler
- ASID  Anne Barasa
- ESID  Esra Hazar Sayar

1:30-2:30pm  Lunch break

2:30-5:00pm  Case presentation - Block 3
Moderators: Eleonora Gambineri/Antonio Condino-Neto
note: 25’ per presenter; suggested: 7’ presentation + 18’ discussion

- ESID  Jenny Framme
- CIS  Kelli Williams
- ESID  Christian Klemann
- LASID  Ileana Moreira
- ASID  Rayan Goda
- ESID  Ali Sobh

5:00-5:30pm  Afternoon break

5:30-7:00pm  Career Mentoring - Session 1
note: Organization, 4 tables with 3 or 4 faculty + 9 attendees/table (see Figure 1 for more details)

Table A: Isabelle Meyts, Satoshi Okada, Antonio Condino-Neto
Table B: Nahla Hashim, Sergio Rosenzweig, Despina Moshous, Kate Sullivan
Table C: Steve Holland, Eleonora Gambineri, Jose Luis Franco
Table D: Rebecca Marsh, Mikko Seppanen, Pamela Lee
2 topics to discuss
- Demystifying success/ Finding your niche
- Fundraising

After the 1st topic is discussed for ~45min, faculty will switch tables and move to the 2nd topic

7:00-8:30pm  Free time

8:30-10:00pm  Group Dinner at the Hotel

Saturday, February 1 (7:30-10:00pm)
7:30-8:00am - Meet & Greet Breakfast

*note:* 2-3 faculty/table; ice-breaking question: *what I would do if given a sabbatical opportunity?*

8:00-10:30am  **Case presentation - Block 4**

**Moderators:** Isabelle Meyts/Jose Luis Franco

*note:* 25’ per presenter; suggested: 7’ presentation +18’ discussion

- ESID  Svetlana Sharapova
- CIS    Tamar Rubin
- CIS    Joud Hajjar
- LASID  Valentina Jarur
- APSID  Kai Cheong

**10:30-11:00am Morning brake**

11:00am-1:30pm  **Case presentation - Block 5**

**Moderators:** Satoshi Okada/Rebecca Marsh

*note:* 25’ per presenter; suggested: 7’ presentation +18’ discussion

- ESID  Giorgia Bucciol
- ESID  Giuliana Giardino
- CIS    Sarah Henrickson
- CIS    Cathleen Collins
- LASID  Juan Carlos Bustamante Ogando

**1:30-2:30pm  Lunch break**

2:30-5:00pm  **Case presentation - Block 6**

**Moderators:** Pamela Lee/Sergio Rosenzweig

*note:* 25’ per presenter; suggested: 7’ presentation +18’ discussion

- ESID  Clara Franco-Jarava
- ESID  Roberta Caorsi
- CIS    Yael Gernez
- CIS    Nicholas Hartog
- APSID  Avinash Sharma
- LASID  Renan Pereira

**5:00-5:30pm  Afternoon break**

**5:30-7:00pm  1st IAPIDS Advanced PID School Movie and Group Picture**

Movie genre, Thriller: “The Killing Pathway of Mycobacteria” Directed by, Steve M. Holland

**7:00-8:00pm  Free time**

**8:00-10:00pm  Group Dinner (Closing dinner, SUD Lisboa Restaurant)**
Sunday, February 2 (02022020!!!!)
8:00-9:30am - Late Meet & Greet Breakfast and Career Mentoring - Session 2
note: Organization, 4 tables with 3 or 4 faculty+9 attendees/table (see Figure 1 for more details)

Table A: Isabelle Meyts, Nahla Hashim, Steve Holland
Table B: Satoshi Okada, Sergio Rosenzweig, Eleonora Gambineri
Table C: Jose Luis Franco, Pamela Lee, Mikko Seppanen
Table D: Kate Sullivan, Antonio Condino-Neto, Despina Moshous

2 topics to discuss
- Networking (keeping in mind ethics topics)
- Growing pains and conflict resolution

After the 1st topic is discussed for ~45min, faculty will switch tables and move to the 2nd topic

9:30-10:40am  Closing Ceremony; Quick feedback; Grab & Go lunch

ASID wants to specially thank CSL Behring for their contributions to support the 1st IAPIDS Advanced PID School organization!