Day 1 (08 February, 2020)

PIDs across the globe
(Con-sponsored by M/s. Grifols and M/s. Intas)

Chair: Shobha Sehgal, Tapas Sabui, Martine Pergent
2. Status of PID care in Europe - ESID perspective: Isabelle Meyts
3. How has PID care evolved in Latin America - LASID perspective: Francisco J. Espinosa-Rosas
4. How has PID care evolved in Africa - ASID perspective: Tandakha Dieye
5. Birth and evolution of PID care in Asia - APSID perspective: Yu Lung Lau
6. PIDs in India - are we different from the rest of the world: Surjit Singh

Tea/Coffee (10:00-10:30)

Symposium 1
Infections in patients with PIDs

Chair: Latika Gupta, Harsimran Kaur, Aman Sharma
1. Viral infections in patients with hypogammaglobulinemia - What is our current understanding: Kohsuke Imai
2. Mycobacterial infections and PIDs: Woei Kang Liew
3. Unusual fungal infections - Almost always PID: Mukesh Desai
4. Oral abstracts (5 minutes each)

Title: Protean Manifestations of Mendelian Susceptibility to Mycobacterial Disease (MSMD)
Presenter: Prasad Taur

Title: Neurological manifestations in children with primary hypogammaglobulinemia
Presenter: Himanshi Chaudhary

Title: Clinical, Immunological and Molecular Findings in 12 cases of DOCK8 deficiency
Presenter: Maya Gupta
### Symposium 2
Panel discussion: Vaccination in patients with Primary Immunodeficiency Diseases - Not an easy task for immunologists

**Moderator:** Taco Kuijpers  
**Expert Panelists:**  
- Godfrey Chi-Fung Chan  
- Shanmuganathan Chandrakasan  
- Amir Latiff  
- Vikas Agarwal  
- Joseph John

### Symposium 3
Hereditary Angioedema (Sponsored by M/s. Takeda)

**Chair:** Sunil Dogra, Vinod Scaria, Fiona Wardman

1. Overview of Takeda Immunology Pipeline: Takeda Medical Affairs
2. Hereditary Angioedema diagnosis in India - Where are we  
   **Chandrashekara S**
3. Hereditary Angioedema management - Improving patient outcomes:  
   **Hilary Longhurst**
4. Oral abstract

**Title:** Clinical and genetic profile of patients with hereditary angioedema - an experience from North West India *(10 minutes)*  
**Presenters:** Ankur Jindal and Anit Kaur  
5. Discussion

### Lunch (12.15 - 13.15)
Guided Poster Walk  
[Zakir Hall, adjacent to Bhargava Auditorium]
Symposium 4
Autoimmunity and immune-dysregulation

Chair: Sandesh Guleria, Priyankar Pal, Vikas Agarwal
1. A comprehensive approach to disorders of immune dysregulation: Hirokazu Kanegane
2. Auto-inflammatory syndromes - Cross talk between Rheumatology and Immunology: Deepti Suri
3. A typical and early onset enteropathy - the role of immune and genetic evaluation: Shanmuganathan Chandrakasan
4. What is new under the umbrella of complement deficiency: Roshini Abraham
5. Oral abstracts (5 minutes each)

Title: Autosomal dominant RELA haploinsufficiency causes autoinflammatory and autoimmune disorders
Presenter: Kunihiko Moriya

Title: Prolonged event free survival in 3 children with autoimmune lymphoproliferative syndrome: a clinical experience from a tertiary care center at Chandigarh, North India
Presenter: Johnson Nameirakpam

Title: A South Indian cohort of compound heterozygotes for the Hyper-IgD syndrome
Presenter: Geeta MG

Symposium 5
Case based lectures on organ specific manifestations in PIDs

Chair: Rajesh Vijayvergiya, Avinash Sharma, Shefali Khanna Sharma
1. Lung involvement in PIDs - An era beyond infections: Francisco J. Espinosa-Rosales
2. Hematological involvement in PIDs - How to manage?: Godfrey Chi-Fung Chan
3. Skin as a window to look into the patient - The hallmark cutaneous manifestations in PIDs: Woei Kang Liew
4. The eye and primary immunodeficiency diseases - an unexpected combination: Martin V. Hagen
5. Oral abstract (5 minutes)

Title: Interstitial Lung Disease Frequently Precedes CVID Diagnosis
Presenter: Leif Hanitsch

Tea/Coffee (16.15 - 16.45)
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<tr>
<th>Time</th>
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| 16.45 - 17.45 | Clinicopathological conference:  
|            | Chair: Vignesh Pandiarajan and Ritambhra Nada  
|            | Presenter: Isabelle Meyts (Clinical) and Kirti Gupta (Pathology)              |
| 19.00 - 22.00 | Conference Dinner  
|            | Venue: CGA Golf Range, Sector- 6, Chandigarh                                |
## Day 2 (09 February, 2020)

### (07.30 - 08.30)
(Zakir Hall, adjacent to Bhargava Auditorium)

- General Body Meeting of APSID Members

### (08.30 - 10.00)
15+3 minutes for each talk
(Bhargava Auditorium)

- Symposium 6
  Diagnostics in PIDs

  **Chair: Sanjay Jain, Ankur Jindal, Prateek Bhatia**
  1. Next Generation Sequencing in PIDs - Role and disputes: Janet Markle
  2. Scope of Next Generation Sequencing for the diagnosis of PIDs in India: Sheetal Sharda
  3. Current status and future prospects of newborn screening for PIDs: Roshini Abraham
  4. Flow cytometry - Role and limitations in the diagnosis of PIDs: Manisha Madkaikar
  5. Oral abstracts (5 minutes each)

  **Title:** Diagnosis of Primary Immunodeficiency Disorders using Next Generation sequencing: experience from ICMR-NIIC, Mumbai
  **Presenter:** Priyanka Kambli

  **Title:** A comprehensive analysis of TREC/KREC assay for a cohort of clinically suspected T and B cell defects in India
  **Presenter:** Abhinav Jain

  **Title:** Mutation spectrum of Severe Combined Immunodeficiency (SCID) from North India
  **Presenter:** Rajni Kumrah

### Tea/Coffee (10.00 -10.30)
### Symposium 7
Meet the expert session (sponsored by M/s. Takeda)

**Chair: Chandrasekhara S, Mushtaq Bhat**
1. Welcome and Introduction
2. HAE Diagnosis and Management - An Overview: Hilary Longhurst
3. PID Diagnosis and Management - An Overview: Leif Hanitsch
4. Discussion

### Symposium 8
Recent trends in PIDs

**Chair: Ranjana W. Minz, Rashmi Bagga, Debashish Danda**
1. The WAS gene - a single gene defect with multiple clinical phenotypes: Hans Ochs
2. Phenocopies of PID - When to suspect and how to evaluate: Amit Rawat
3. Female carriers of X-linked PIDs - Are they simply carrying the genes: Taco Kuijpers
4. Activated PI3 Kinase Delta Syndrome (APDS) - Immune abnormalities and metabolism: Xiaodong Zhao
5. STAT3 Hyper-IgE syndrome is much beyond infections - an Indian experience: Biman Saikia
6. Oral abstracts (5 minutes each)

**Title:** Correlation of clinical score with protein assay and molecular analysis in a single center cohort of patients with Wiskott - Aldrich Syndrome
**Presenter:** Rashmi Rikhi

**Title:** Varied clinical manifestation of Lipopolysaccharide (LPS) Responsive Beige like Anchor (LRBA) protein deficiency - A single center experience
**Presenter:** Silky Aggarwal

**Title:** WASp is essential for immunological tolerance by promoting IL-2/ IL-2R signaling in Treg cells
**Presenter:** Qin Zhao

**Title:** Extreme lyonization in X-Linked Chronic Granulomatous Disease carriers: A curse?
**Presenter:** Gouri P. Hulea
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<th>Time</th>
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<tr>
<td>(12.30 - 13.15)</td>
<td>Prof. Yu Lung Lau Oration to be delivered by Isabelle Meyts</td>
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</table>
| (Bhargava Auditorium) | **Chair:** Yu Lung Lau, Amit Rawat, Deepti Suri  
**Topic:** Human Adenosine Deaminase type 2 Deficiency: An Evolving Spectrum |
| (13.45 - 15.00) | Guided Poster Walk  
[Zakir Hall, adjacent to Bhargava Auditorium]                                                   |
| (14.15 - 14.45) | Symposium 9  
Panel discussion  
How understanding of immune system has improved our management in immunology - Therapeutic implications of immunomodulators and biologics:  
**Moderator:** Hirokazu Kanegane  
**Expert Panelists:**  
- Isabelle Meyts  
- Amita Aggarwal  
- Debashish Danda  
- Martin V. Hagen |
| (14.45 - 15.30) | Symposium 10:  
Challenges of malignancy in PIDs  
**Chair:** Aman Gupta, Nutan Kamath  
1. How does one differentiate lymphoproliferation from lymphoma in patients with PIDs: Shanmuganathan Chandrakasan  
2. EBV associated PIDs and predisposition to malignancy: Tandakha Dieye  
3. Oral abstract (5 minutes)  
**Title:** Learnings from our experience with EBV - the road travelled so far  
**Presenter:** Vijaya Gowri |
Symposium 11
Immunoglobulin replacement is the backbone of management in patients with primary immunodeficiency diseases: Where do we stand and how can we improve?
(Co-sponsored by M/s. Takeda and M/s. Intas)

Chair: Yu Lung Lau, Hans Ochs
1. Immunoglobulin replacement therapy for PID Management - Basic Science Perspective: Srini Kaveri
2. Immunoglobulin replacement therapy for PID Management - Clinical Perspective: Leif Hanitsch
3. Panel discussion on intravenous and subcutaneous immunoglobulin replacement therapy

Moderator: Hans Ochs

Expert Panelists:
Nita Radhakrishnan
Srini Kaveri
Francisco J. Espinosa-Rosales
Nizar Mahlaoui
Leif Hanitsch

Tea/Coffee (15.30 - 16.00)

Symposium 12
Therapeutics in PIDs

Chair: Sagar Bhattad, Alka Khadwal
1. Gene variants in PIDs - New tools in diagnosis and treatment: Martin V. Hagen
2. Stem cell transplant in PIDs- Indian Perspective: Revathi Raj
3. Oral abstracts (5 minutes each)

Title: Hematopoietic Stem Cell Transplantation for Primary Immunodeficiency Disorders: A single institution experience
Presenter: Fouzia N. A.

Title: Haplo-identical transplant using Post-Transplant Cyclophosphamide (PTCy) in children with Severe Combined Immunodeficiency - a tertiary care center experience from South India
Presenter: Stalin Ramprakash

Title: CD34+ stem cells selection and CD3+ T cells addback from MUD in pediatric recipients
Presenter: Fulvio Porta
Symposium 13
Therapeutics in PIDs

Chair: Dhrubajyoti Sharma, Varun Dhir
1. Recent trends in the management of genetic forms of HLH:
   Shanmuganathan Chandrakasan
2. Recent trends in the management of chronic granulomatous disease:
   Nizar Mahlaoui
3. Oral abstracts (5 minutes each)

Title: Hemophagocytic Lymphohistiocytosis in infancy: A case series
Presenter: Harikrishnan B

Title: Study of immunological and clinical spectrum in familial Hemophagocytic
Lymphohistiocytosis type-5 patients with STXBP-2 mutations
Presenter: Madhura Kelkar

Title: Training and resource needs of pediatricians in the Asia Pacific: experiences
of Asia Pacific Society for Immunodeficiencies Schools (2015-19)
Presenter: Daniel Leung

Closing Remarks: Yu Lung Lau and Surjit Singh
### Scientific Programme of International Nursing Group for Immunodeficiencies (INGID) Session at 3rd Scientific Congress of APSID

**08 February, 2020**

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<thead>
<tr>
<th>Time</th>
<th>Activities</th>
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<tbody>
<tr>
<td>(09.00 - 14.00)</td>
<td>1. Immunoglobulin replacement therapy: <strong>Geraldine Dunne</strong></td>
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<td>2. Immunoglobulin replacement therapy for patients with PID - A developing</td>
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<td>country perspective: <strong>Ruchi Saka</strong></td>
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<td>3. Management during (and prior to) hematopoietic stem cell transplant for</td>
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<td>PID: <strong>Geraldine Dunne</strong></td>
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<td>4. Nursing management in patients with PID - a developing country perspective:</td>
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<td><strong>Jyoti Sahni</strong></td>
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<td>5. Open Forum: <strong>Geraldine Dunne, Ruchi Saka, Jyoti Sahni</strong></td>
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(Seminar Room, adjacent to Advanced Pediatrics Centre Auditorium)
# Scientific Programme of International Patient Organization for Primary Immunodeficiencies (IPOPI) Session at 3rd Scientific Congress of APSID

## 09 February, 2020

<table>
<thead>
<tr>
<th>Time</th>
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| (09.00 - 15.00) | 30 minutes for each talk  
(Seminar Room, adjacent to Advanced Pediatrics Centre Auditorium) |
|             | 1. An overview about foundation and activities of International Patient Organization for Primary Immunodeficiencies (IPOPI): Martine Pergent |
|             | 2. An overview of activities of Primary Immunodeficiency Patients' Welfare Society (PIDPWS) in improving the care of patients with PIDs in India: Rukhsana Haneef |
| Tea/Coffee  | (10:00 - 10:30)                                                          |
|             | 3. An overview of activities of Indian Patients Society for Primary Immunodeficiency (IPSPI) in improving the care of patients with PIDs in India: Rubby Chawla |
|             | 4. Primary Immunodeficiency Diseases - How much should a patient know: Sagar Bhattad |
|             | 5. Tips and Tricks to prevent infections in immunodeficiency patients and how to improve health: Arouba Khan Pathan |
|             | 6. Improving the psychosocial care of parents of patients with PIDs: Rajni Sharma |
|             | 7. Hereditary Angioedema International (HAEi) organization - the journey so far: Fiona Wardman |
| Lunch       | (13:00 - 14:00)                                                          |
| (14.00 - 15.00) | 8. Open forum for patients  
Martine Pergent
Sagar Bhattad
Rukhsana Haneef
Rubby Chawla
Fiona Wardman
Rajni Sharma
Arouba Khan Pathan |

**Interpreters:** Ankita Singh and Ruchi Saka