Modern Trends in Infectious Diseases and Immunology:
Training course for Paediatric Infectious Diseases Trainees
Sevilla-Madrid-Barcelona 2013/2014

Course Description
Paediatric Infectious Diseases (PID) is a recognised sub-speciality by the Spanish Paediatric Society (AEP). There are important and regular, local and nationwide PID meetings and congresses organised by the Spanish Society of Paediatric Infectious Diseases (SEIP, http://www.seipweb.es/) as well as the AEP. For many years now, members and study groups of the SEIP have been working closer and closer with PID colleagues from other European countries. This was and continues to be facilitated by the European Society for Paediatric Infectious Diseases (ESPID).

The aim of this course is to start and develop a national training program in PID in order to offer equal trainee opportunities on a nationwide base and on the long term to seek recognition of PID sub-speciality by the Spanish educational training board.

We offer a one-year training course for PID trainees from Spain and any other European country; candidates should be members of SEIP (Spanish Society of Paediatric Infectious Diseases) or ESPID.

The number of participants is restricted to a maximum of 30 students (max 20 Spanish Trainees). The topics to be presented (see attached) will focus on current developments of specific infectious diseases and concentrate on the interaction of the pathogen with the host.

The invited speakers will be local and national experts in paediatric infectious diseases as well as microbiologists, paediatric immunologists, haematologists and rheumatologists. There will be a total of 3 meetings, each to be held over 2 days (Friday/Saturday) in Seville, Madrid and Barcelona. The course is aimed to be interactive and each topic will be accompanied by clinical cases to be prepared by the participants and rounded up with a general discussion.

Presentations will be prepared in English. The course will be accredited in form of Continuing Professional Development (CPD) (equivalent of a total of 39h) and evaluated by the participants.

Course fee:
50 € for each meeting for members of SEIP or ESPID (entire course 150 €)
100 € for each meeting for non-members of SEIP or ESPID (entire course 300 €)
Travel costs:
To be organized by the participants

Accommodation and Meals:
To be provided by the organizers

Accreditation
Pending accreditation (Ministry of Health, Spain)

Coordinator:
Olaf Neth
Department of Paediatric Infectious Diseases and Immunopathology
Hospital Infantil Virgen del Rocío, Sevilla

Local committee
Sevilla:
Olaf Neth
Department of Paediatric Infectious Diseases and Immunopathology
Hospital Infantil Virgen del Rocío, Sevilla

Madrid:
Maribel González-Tomé
Department of Paediatric Infectious Diseases and Immunodeficiency
Hospital 12 Octubre, Madrid

Barcelona:
Pere Soler Palacín
Paediatric Infectious Diseases and Immunodeficiencies Unit
Hospital Universitari Vall d'Hebron. Institut de Recerca Vall d'Hebron. Universitat Autònoma de Barcelona

This training course is organized by members of the Sociedad Española de Infectología Pediátrica (SEIP) and supported by the European Society for Paediatric Infectious Diseases (ESPID) and SEIP.

Contact address for inscription:
Spanish Society of Paediatric Infectious Diseases (SEIP)
Webpage: www.seipweb.es
e-mail: secretariaseip@gmail.com
Bank details:
Account number: 2038-1050-52-6000826368
Meeting Seville

Date:
18-19th of October 2013

Venue:
Salón de Actos
Hospital Infantil Virgen del Rocío
Manuel Siurot s/n – 41013 Sevilla

Speakers:

Marisol Camacho, MD
Lola Falcon, MD
Olaf Neth, MD PhD
Ignacio Obando, MD PhD
Department of Paediatric Infectious Diseases and Immunopathology
Marcos Madruga, MD
Department of Paediatric Neurology
Aguedo Molinos, MD
Department of Paediatric Haematology
Berta Sanchez PhD
Department of Immunology
Jose Antonio Lepe, MD PhD
Department of Microbiology
Hospital Virgen del Rocio, Seville

David Moreno, MD PhD
Esmeralda Nunez, MD
Department of Paediatric Infectious Diseases and Immunodeficiency
Hospital Carlos Haya, Malaga
Meeting Madrid

Date:
7-8\textsuperscript{nd} of February 2014

Venue:
Salón de Actos del Hospital Materno-infantil Planta -1
Hospital 12 de Octubre
Andalucía Road Km 5.4, 28041 Madrid

Speakers:
Daniel Blázquez MD
Ignacio González Granado MD
Maribel González-Tomé MD PhD
Pablo Rojo MD PhD
Jesus Ruiz MD PhD
Department of Paediatric Infectious Diseases and Immunodeficiency
Hospital 12 Octubre, Madrid

Fernando Baquero MD
Ana Méndez MD
Teresa del Rosal MD
Department of Paediatric Infectious Diseases
Hospital La Paz, Madrid

Cristina Calvo MD PhD
Department of Paediatrics
Hospital Severo Ochoa, Madrid

Pepa Mellado MD PhD
Department of Paediatrics
Hospital Carlos III, Madrid

Marisa Navarro MD PhD
Jesús Saavedra MD PhD
Mar Santos MD
Department of Paediatric Infectious Diseases
Hospital Gregorio Marañón, Madrid

Sara Guillén MD PhD
Luis Prieto MD
José Tomas Ramos MD PhD
Department of Paediatrics, Hospital Getafe, Madrid

Roi Piñeiro MD PhD
M Jose Cilleruelo MD PhD
Department of Paediatrics, Hospital Majadahonda, Madrid
Meeting Barcelona

Date:
20-21st of June 2014

Venue:
Sala de actos del Área General. Planta Baja
Hospital Universitari Vall d'Hebron
Passeig Vall d'Hebron 119-129, 08035 Barcelona

Speakers:
Andrea Martín Nalda, MD
Concepció Figueras Nadal, MD PhD
Pere Soler Palacín, MD PhD
Paediatric Infectious Diseases and Immunodeficiencies Unit
M. Nieves Larrosa Escartín MD
M. Gemma Codina Grau, MD PhD
Department of Microbiology
Hospital Universitari Vall d'Hebron. Institut de Recerca Vall d'Hebron. Universitat Autònoma de Barcelona

Iolanda Jordan, MD PhD and Elisabeth Esteban, MD
Paediatric Intensive Care Unit
Clàudia Fortuny MD, PhD and Antoni Noguera-Julian MD, PhD
Infectious Diseases Unit, Paediatrics Department
Hospital Sant Joan de Déu - Universitat de Barcelona
# Modern Trends in Infectious Diseases and Immunology

## Training course for Paediatric Infectious Diseases Trainees

<table>
<thead>
<tr>
<th>Module</th>
<th>Topics</th>
<th>Speaker / time-table</th>
<th>Location/ Date</th>
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</thead>
<tbody>
<tr>
<td>1st Infectious Diseases Immunology Microbiology</td>
<td><strong>Day 1: 16.00-20.00</strong>&lt;br&gt;Pathogenesis of infection: Interplay of the host and microorganism&lt;br&gt;The immune system: Development in the first years of life&lt;br&gt;Coffee break&lt;br&gt;The child with recurrent infections: When to suspect a primary immunodeficiency- a systematic approach for diagnosis and initial management&lt;br&gt;Case Round&lt;br&gt;General Discussion</td>
<td>I Obando 16.00-16.45&lt;br&gt;B Sánchez 17.00-17.45&lt;br&gt;17.45-18.00&lt;br&gt;O Neth 18.00-18.45&lt;br&gt;O Neth 19.00-19.45</td>
<td>Hospital Infantil Universitario Virgen del Rocio Sevilla&lt;br&gt;18-19th of October 2013</td>
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<td><strong>Day 2: 9.00-18.00</strong>&lt;br&gt;Microbiology: New developments optimizing microbiological diagnosis and treatment&lt;br&gt;Encephalitis: Infectious versus autoimmune&lt;br&gt;Coffee break&lt;br&gt;Fever syndromes: Infectious versus autoimmune&lt;br&gt;Bacterial meningitis: The role of adjuvant therapy&lt;br&gt;Case Round&lt;br&gt;General Discussion&lt;br&gt;Lunch&lt;br&gt;Severe life threatening respiratory infections in the immunocompetent host&lt;br&gt;- Necrotising pneumonia&lt;br&gt;- Malignant pertussis</td>
<td>JA Lepe 9.00-9.45&lt;br&gt;M Madruga 10.00-10.45&lt;br&gt;10.45-11.00&lt;br&gt;E Nuñez / M Camacho 11.00-12.00&lt;br&gt;L Falcón 12.00-12.45&lt;br&gt;E Nunez / L Falcón 12.45-13.30&lt;br&gt;13.30-13.45&lt;br&gt;13.45-15.00&lt;br&gt;D Moreno 15.00-15.45</td>
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<tr>
<td>Severe life threatening infections in children with underlying haematological disorders:</td>
<td>A Molinos</td>
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<td>Febrile neutropenia</td>
<td>15.45-16.30</td>
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<td>Coffee break</td>
<td>16.30-17.00</td>
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<tr>
<td>Case Round</td>
<td>A Molinos</td>
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<td>17.00-17.45</td>
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<tr>
<td>General Discussion</td>
<td>17.45-18.00</td>
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<thead>
<tr>
<th>Day 1: 16.00-20.00</th>
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<tr>
<td>Tuberculosis:</td>
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<td>Current challenges including management of MDR and XDR</td>
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<td>Atypical Mycobacteria infections:</td>
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<td>Current consent and future challenges</td>
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<tr>
<td>Case Round</td>
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<td>General Discussion</td>
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<th>Day 2: 9.00-18.00</th>
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<tr>
<td>Infections of the hospitalized child</td>
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<td>- Control of emerging infections and multi-resistant microorganisms</td>
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<td>- Antimicrobial Steward Ship</td>
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<td>- Healthcare associated infections:</td>
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<td>- Catheter associated infections</td>
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<td>- Ventilator associated pneumonia</td>
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<td>- Endovascular infections</td>
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<td>Coffee break</td>
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<td>Neonatal infections:</td>
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<td>Current concepts in the prevention and management of</td>
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<td>- CMV</td>
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<td>- Toxoplasmosis</td>
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<td>- HIV</td>
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<td>- Chagas</td>
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<td>Case Round</td>
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<td>General Discussion</td>
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<td>Lunch</td>
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### Primary Immunodeficiencies (I)

**Clinical presentation and management**
- Neutrophil defects
- Complement defects
- Toll-like Receptor and signalling pathway defects

**Coffee break**

**Case Rounds**

**General Discussion**

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### 3rd Infectious Diseases Immunology Microbiology

#### Day 1: 16.00-20.00

**Sepsis:**
- Current understanding

**HIV:**
- Current situation and future challenges

**Coffee break**

**Viral hepatitis:**
- Current management strategies

**Case Round**

**General Discussion**

#### Day 2: 9.00-18.00

**Microbiology:**
- Emergent resistance patterns and their clinical significance
- Invasive fungal infections:
  - Current management and future challenges

**Coffee break**

**Human Herpes viruses:**
- New diagnostic tools

**Viral Infections in solid organ transplantation:**
- Adenovirus
- CMV
- EBV

**Case Round**

**General Discussion**

**Lunch**
<table>
<thead>
<tr>
<th>Event</th>
<th>Speaker</th>
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<tr>
<td>Primary Immunodeficiencies (2)</td>
<td>A Martin P Soler</td>
<td>15.15-16.45</td>
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<tr>
<td>Clinical presentation and management</td>
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<tr>
<td>- B-cell defects</td>
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<td>- T-cell defects</td>
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<td>- Combined B/T-cell defects</td>
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