Faculty
Gayatri Amirthalingam, London, United Kingdom
Stephen D. Bentley, Hinxton, United Kingdom
Paolo Bonanni, Florence, Italy
Marc J.M. Bonten, Utrecht, Netherlands
Robb Butler, Copenhagen, Denmark
Mike Catchpole, Stockholm, Sweden
Eduardo Colzani, Solna, Sweden
Ron Dagan, Beer Sheva, Israel
Emily Erbelding, Rockville MD, United States
Susanna Esposito, Milan, Italy
Jill Ferdinands, Atlanta, United States
Daniela Ferreira, Liverpool, United Kingdom
Adam Finn, Bristol, United Kingdom
Rana Hajjeh, Cairo, Egypt
Rafael Harpaz, Atlanta, United States
Helen Johnson, Solna, Sweden
Keith P. Klugman, Seattle, United Kingdom
Daniel Levy Bruhl, Saint Maurice, France
Shabir Madhi, Johannesburg, South Africa
Federico Martín-Torres, Santiago de Compostela, Spain
Michael Mina, Boston, United States
Arnold Monte, Detroit, United States
Hanna M. Nohynek, Helsinki, Finland
Terry Nolan, Carlton, Australia
Patrick O’Connor, Copenhagen, Denmark
Takis Panagiotopoulos, Athens, Greece
Pasi Penttinen, Solna, Sweden
Stanley Plotkin, Doylestown, United States
Mario Poljak, Ljubljana, Slovenia
Fernando Polack, Buenos Aires, Argentina
Tracy Ruckwardt, Bethesda, United States
Siddhartha Sanbar Datta, Copenhagen, Denmark
Claire-Anne Siegrist, Geneva, Switzerland
Clarissa Simas, London, United Kingdom
Renato Stein, Porto Alegre, Brazil
Pierre Van Damme, Antwerp, Belgium
Daniel Weinberger, New Haven, United States

About Bilbao

Guggenheim Museum Bilbao
Guggenheim Museum in Bilbao opened in 1997, premeditated by Frank Gehry — a remarkable building made of titanium, glass and limestone. The building was hailed to be the most significant at its time. This remarkable building is surround-ed by promenades, parks and recently-built squares, where you can see the work of many famous artists. ArcolotMetal gallery is regarded to be the main attraction visited by around one million people every year.

Bilbao Fine Arts Museum
Museo de Bellas Artes (Bilbao Fine Arts Museum) consists of two buildings. One built in 1945, the other in 1950s, Spain’s second largest collection after the Prado in Madrid. The art collections are displayed from the 13th Century to the present day, in chronological order. The collection contains over 6,000 works including, sculptures, drawings, paintings, decorative arts and engravings.

Santiago Cathedral
The Cathedral-Church of Bilbao is dedicated to St James the Apostle, the patron saint of Bilbao since 1643. It was built in the fifteenth century, in a Gothic style, although its tower and facade are neo-Gothic. The Gothic cloister resembles the door of the angel (known as the Pilgrims and example of Late Gothic) and its tower. The temple was originally built during the 14th -15th centuries as Bilbao’s main parish church and was only declared cathedral in 1550.

CME Accreditation
This conference has received 17 points:
06.09.2019 - 7:00
07.09.2019 - 6:00
08.09.2019 - 4:00
In order to claim points, each participant must fill in the signing sheet before each session.

Contact
Organizing Committee
Chair: Ron Dagan (Beer Sheva, Israel)
Members:
Susanna Esposito – Milan, Italy
Tarik Derrough – ECDC, Stockholm, Sweden
Mario Poljak – Ljubljana, Slovenia

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Phone +41 61 508 01 72
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www.escmid.org/bilbao2019

AstraZeneca
Pfizer
MSD
SANOFI PASTEUR
# 5th ESCMID Conference on Vaccines

## Final Programme

### Friday 06.09.2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:30</td>
<td>Registration and Welcome Coffee</td>
</tr>
<tr>
<td>09:30-09:45</td>
<td>Opening of the Conference Susanna Esposito &amp; Ron Dagon</td>
</tr>
<tr>
<td>09:45-10:00</td>
<td>ESCMID Lecture</td>
</tr>
<tr>
<td>10:00-12:10</td>
<td>Global impact of vaccine-preventable respiratory infections</td>
</tr>
<tr>
<td></td>
<td>Chairs: Ron Dagon &amp; Pasi Penttinen</td>
</tr>
<tr>
<td></td>
<td>Co-Chairs: Kerik Kluus, Marc Bonten, Terry Nolan</td>
</tr>
<tr>
<td></td>
<td>Topic: Respiratory viral vaccines as tools for the prevention of bacterial infections</td>
</tr>
<tr>
<td></td>
<td>Chair: Mike Catchpole</td>
</tr>
</tbody>
</table>

### Saturday 07.09.2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-11:10</td>
<td>Progress in influenza virus infections</td>
</tr>
<tr>
<td></td>
<td>Chairs: Shabir Madhi &amp; Terry Nolan</td>
</tr>
<tr>
<td></td>
<td>Co-Chairs: Pasi Penttinen, Pasi Penttinen, Pasi Penttinen</td>
</tr>
<tr>
<td></td>
<td>Topic: Universal influenza vaccine – where are we?</td>
</tr>
<tr>
<td></td>
<td>Chair: Emily Erbeldige</td>
</tr>
<tr>
<td>09:25-09:50</td>
<td>Universal influenza vaccine: how close are we?</td>
</tr>
<tr>
<td></td>
<td>Chair: Emily Erbeldige</td>
</tr>
<tr>
<td>10:00-12:00</td>
<td>Networking Event</td>
</tr>
</tbody>
</table>

### Sunday 08.09.2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45-11:44</td>
<td>Appropriate endpoints in RTI vaccine trials:</td>
</tr>
<tr>
<td></td>
<td>Impact vs. Efficacy</td>
</tr>
<tr>
<td></td>
<td>Chair: Hanna M. Nohynek</td>
</tr>
<tr>
<td></td>
<td>Speaker: Dan Weinberger</td>
</tr>
</tbody>
</table>

### Discussion

- Vaccine hesitancy among health care providers
- Measles Elimination
- Vaccination to reduce global pneumonia mortality infants
- Vaccine hesitancy among health care providers
- Measles Elimination
- Vaccination to reduce global pneumonia mortality infants
- Vaccine hesitancy among health care providers
- Measles Elimination
- Vaccination to reduce global pneumonia mortality infants
- Vaccine hesitancy among health care providers

### Poster Viewing & Coffee Break

- 15:05-15:35
- 15:35-16:45
- 16:45-18:30
- 19:00-21:00
- 10:45-11:44
- 12:10-13:20
- 13:20-15:05
- 15:05-15:35
- 15:35-16:45
- 16:45-18:30
- 19:00-21:00

### Chairs

- 08:30-10:15
- 10:45-11:44
- 14:15-16:10
- 15:45-16:50
- 16:45-18:30
- 19:00-21:00

### Speakers

- 08:30-10:15
- 10:45-11:44
- 14:15-16:10
- 15:45-16:50
- 16:45-18:30
- 19:00-21:00

### Discussion

- 08:30-10:15
- 10:45-11:44
- 14:15-16:10
- 15:45-16:50
- 16:45-18:30
- 19:00-21:00

### Sunday 08.09.2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>08:30-10:15</td>
<td>Pneumococcal vaccines</td>
</tr>
<tr>
<td></td>
<td>Chairs: Ron Dagon &amp; Keith Klugman</td>
</tr>
<tr>
<td></td>
<td>Topic: Human studies – Pneumococcal vaccination, immune response and nasopharyngeal carriage</td>
</tr>
<tr>
<td></td>
<td>Chair: Daniela Ferreira</td>
</tr>
<tr>
<td></td>
<td>Speaker: Paolo Bonanni</td>
</tr>
<tr>
<td>09:00-09:45</td>
<td>Closing the gaps in pneumococcal and Hib vaccination for the developing world</td>
</tr>
</tbody>
</table>

### Lunch and Farewell

- 13:00-14:15
- 14:15-16:30
- 16:30-17:35
- 17:15-17:35
- 13:05-14:15
- 14:15-16:30
- 16:30-17:35
- 17:15-17:35