Welcome back to
12th EFSPI Statistical Leaders Meeting
Day 2: July 1, 2021
# Agenda Day 2

<table>
<thead>
<tr>
<th>Time (CEST)</th>
<th>Subject</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 – 13:10 (10 min)</td>
<td>Dial in &amp; Welcome back</td>
<td>Ingrid Sofie Harbo, Christine Fletcher</td>
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<tr>
<td>13:10 – 14:30 (80 min in total)</td>
<td>Data science versus Biostatistics in the pharmaceutical industry</td>
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<tr>
<td>13:10 – 13:20 (10 min)</td>
<td>Introduction and recap of discussions at previous meetings</td>
<td>Ingrid Sofie Harbo</td>
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<tr>
<td>13:20 – 13:35 (15 min)</td>
<td>RSS Data Science Section: What has happened since the start in 2017</td>
<td>Jim Weatherall, VP Data Science and Artificial Intelligence R&amp;D, Astra Zeneca</td>
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<tr>
<td>13:35 – 14:05 (30 min)</td>
<td>Visions for Data Science in the pharmaceutical industry</td>
<td>Thomas Senderovitz, SVP Data Science, Novo Nordisk</td>
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<td>13:50 – 14:05 (15 min)</td>
<td>Special Interest Group in Data Science: Opportunities and challenges of Data Science in the pharmaceutical industry</td>
<td>Julia Chernova, Associate Director for Clinical Statistics, Bayer Pharmaceuticals</td>
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<td>14:05 - 14:30 (25 min)</td>
<td>Q&amp;A incl. panel</td>
<td>Panel: Julia Chernova &amp; Justine Rochon Moderator: Ingrid Sofie Harbo</td>
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<tr>
<td>14:30 – 14:45 (15 min)</td>
<td>Break</td>
<td></td>
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<tr>
<td>14:45 – 15:00 (15 min)</td>
<td>Flexible workplace after Covid-19</td>
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<tr>
<td>14:45 – 15:00 (15 min)</td>
<td>Introduction and present results from pre-meeting survey</td>
<td>Christine Fletcher</td>
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<tr>
<td>15:00 – 15:30 (30 min)</td>
<td>Discussions and sharing in break-out sessions</td>
<td>All</td>
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<tr>
<td>15:30 – 15:45 (15 min)</td>
<td>Sharing in plenum</td>
<td>Moderator: Christine Fletcher</td>
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<tr>
<td>15:45 – 16:00 (15 min)</td>
<td>Closing Remarks</td>
<td>Organizing committee</td>
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Note: as Jim Weatherall and Thomas Senderovitz can't stay for the panel discussion, we will give some time for Q&A after each of their sessions. The panel discussion may therefore be shorter than originally planned.
Data Science vs Biostatistics in the Pharmaceutical industry: EFSPI Statistical Leaders meeting 2021

• Data Science discussed at previous Statistical Leaders meetings e.g.

• 2017 Royal Statistical Society; Data Science Section presented by Andy Garrett, EVP Global Scientific Operations, ICON and Jim Weatherall, Head Advanced Analytics Centre, AZ

• 2019 Round Table Discussion ‘Statistics and Data Science: “The hype is over – when are statisticians needed again?”

• And now (again) at the 2021 meeting: Three inspirational presentations and a panel discussion

Keep in mind how EFSPI can make a difference e.g. by suggesting how EFSPI can help and/or what activities EFSPI can initiate
Our speakers in the Data Science session today

- **Jim Weatherhall**
  Vice President,
  Data Science and Artificial Intelligence,
  R&D at AstraZeneca
  - Vice chair for and one of the initiators of the Royal Statistical Society, Data Science Section
  - **Topic:** ‘RSS Data Science Section: What has happened since the start in 2017’

- **Thomas Senderovitz**
  Senior Vice President
  Data Science,
  Novo Nordisk
  - Prior to joining Novo Nordisk:
    Director General Danish Medicines Agency,
    Member EMA Management Board and Chair HMA Management Group
  - **Topic:** Visions for Data Science in the pharmaceutical industry

- **Julia Chernova**
  Associate Director,
  Clinical Statistics
  Bayer Pharmaceuticals
  - Chair for the Special Interest Group (SIG) in Data Science within PSI & EFPI
  - **Topic:** ‘SIG in Data Science: Challenges and opportunities for Data Science in the pharmaceutical industry’
Q&A and Panel discussion

Julia Chernova
Associate Director, Clinical Statistics
Bayer Pharmaceuticals

Justine Rochon
VP Global Biostatistics and Data Sciences at Boehringer Ingelheim
Time for a break

We will start again at 14:45
Time for group photo

EFSPI Statistics Leaders Meeting
30th June & 1st July 2021
Day 2 Break-out session
Reflect on the results and address 2 questions

<table>
<thead>
<tr>
<th>Group 1 - Q1 &amp; Q6</th>
<th>Group 2 - Q2 &amp; Q6</th>
<th>Group 3 – Q3 &amp; Q6</th>
<th>Group 4 – Q4 &amp; Q6</th>
<th>Group 5 – Q5 &amp; Q6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armin Schueler</td>
<td>Bruno Boulanger - notetaker</td>
<td>Anna Karina Trap Huusom</td>
<td>Chrissie Fletcher</td>
<td>Annamaria Muraro</td>
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<tr>
<td>CRAIG MCILLONEY - notetaker</td>
<td>Christoph Gerlinger</td>
<td>David Wright</td>
<td>Frank Fleischer</td>
<td>Emmanuel Zuber - notetaker</td>
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<tr>
<td>Mark Whitlock</td>
<td>Daniele Compagnone</td>
<td>Frank Langer - presenter</td>
<td>Katrin Kupas - presenter</td>
<td>Giacomo Mordenti - presenter</td>
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<tr>
<td>Rene Kubiak - presenter</td>
<td>Jens-Otto Andreas</td>
<td>Hans Ulrich Burger</td>
<td>Lars Endahl</td>
<td>Maria Dilleen</td>
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<tr>
<td>Stefan Driessen</td>
<td>Maylis Coste - presenter</td>
<td>Justine Rochon</td>
<td>Simon Cleall - notetaker</td>
<td>Mette Milsgaard</td>
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<tr>
<td>Tina Christiansen</td>
<td>Olavi Kilkku</td>
<td>Roland MARION-GALLOIS - notetaker</td>
<td>Torsten Westermeier</td>
<td>Michael O'Kelly</td>
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Note: a few participants are not able to attend the breakout session.
If the appointed presenter or notetaker is not attending the breakout session, we will ask for a volunteer
Discussions and sharing in break-out sessions

**Timing:** 25 min

**Groups:** You will allocated directly in Teams to your break-out session so please, hang on

**Material incl. template:** Shared via mail this morning

**Notetaker & presenter:** Names available in the material (if somebody is missing quickly appoint someone else)

**Survey results:** Available in material

**Plenum session will start again 15:30 – be ready to share**

You will be pulled back to the plenum session in Teams so please, hang on
My Video – how & when

How?
• Videotape yourself on your phone for **20 seconds max**
• Please hold phone upright (portrait format)
• Send the clip to: EFSPI@mks.co.uk

By when?
• Right now! Spontaneously!
• Deadline is Monday, July 5th.
Closing remarks

Evaluation: We will ask you all evaluate the meeting and also to submit topics for next year (link to follow in an email)

Hosts for future meetings: We are looking for hosts for the upcoming meetings

Summary of this meeting: Will be shared with all participants and in the EFSPi newsletter
Thank you for your active participation

We wish you all a great summer