Proseminar

Hints for the presentation and report

Lothar Richter & Andrea Schafferhans
General

- Attendance obligatory
- Aim: practice presenting and report writing
- Take part in discussion!
- Grading: 50% talk, 25% report, 25% discussion
Preparation

• *Starting* material provided by supervisor
• (Research additional material where necessary)
• In case of questions consult supervisor
• Discuss content / focus and slides with supervisor
  (2 weeks before talk):
  – you are responsible for the meeting with the supervisor
  – have your slides ready
• Go beyond the obvious
Textbook / paper reading

• First get general idea / take-home lesson
• Understand Methods and Validation
• Look for open questions
• Follow references
Talk

• Duration: 20 minutes
• Story-line
• Talk slowly and clearly
• Address the audience
• Rehearse!
• 25 minutes discussion
Slides

• Avoid too much text; Font size >18 pt
• All key points should appear on the slides
• Do not animate (too much)
• Include slide numbers
• Use examples to illustrate complex matter
• Cite your sources
• Graphics should have:
  – Title
  – Axis definitions
  – Sources
# Talk feedback

<table>
<thead>
<tr>
<th>Topic weighting</th>
<th>Good ratio between main and side topics</th>
<th></th>
<th>Ratio imbalanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>Clear, precise, comprehensible, easy to understand with a clear structure</td>
<td></td>
<td>Incomprehensible, confusing and chaotic</td>
</tr>
<tr>
<td>Rhetoric</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Language Speed</td>
<td></td>
<td></td>
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<tr>
<td>Slides</td>
<td>Clear, good layout and design, no typos</td>
<td></td>
<td>Chaotic, too many animations, typos</td>
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<tr>
<td>Visualization</td>
<td>Meaningful figures, clear captions / axis description, clear tables</td>
<td></td>
<td>Too much information, meaningless figures or/and tables, too few figures/table</td>
</tr>
<tr>
<td>Creativity</td>
<td>Special ideas, creative way of describing content, use of punch line</td>
<td></td>
<td>Obvious, without fantasy, boring</td>
</tr>
</tbody>
</table>

For (clarity and details please underline the appropriate case.)

If you score with “–”, please provide some advice for improvements in the comments section.
Report

- Write in Latex or MS Word
- Use “Bioinformatics” journal format (defines font, citation style, etc.)
- Length: 5 pages
- Write full sentences
- Use spell checking
- Include figure legends
- Give references
- Avoid passive voice
- Avoid complex sentences
- **due one week after the talk**
## Dates: 8 slots, each two talks

- Lecture period Apr 11th – Jul 16th

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Group 1</th>
<th>Group 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.4.</td>
<td>Pairwise Sequence Alignment – Global / Local</td>
<td>Hilger</td>
<td>Hoffmann</td>
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<tr>
<td>25.4.</td>
<td>Sequence Alignment – Heuristic Methods</td>
<td>Kraft-Blank</td>
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<tr>
<td>2.5.</td>
<td>Protein Disorder</td>
<td>Müller</td>
<td>Weiß</td>
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<tr>
<td>9.5.</td>
<td>The Human Proteome</td>
<td>Njah</td>
<td>Seif</td>
</tr>
<tr>
<td>23.5.</td>
<td>PolyPhobius</td>
<td>Lungala</td>
<td>Spier</td>
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<tr>
<td>30.5.</td>
<td>SignalP 4</td>
<td>Dietrich</td>
<td>Raykov</td>
</tr>
<tr>
<td>6.6.</td>
<td>PiNat: Assessment of Protein Networks</td>
<td>Schwarze</td>
<td>Altschäffel</td>
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<tr>
<td>13.6.</td>
<td>Biological Databases</td>
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<td></td>
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</tbody>
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