Welcome to our survey on the importance of scientific competencies in German medical curricula!

The impartation of scientific competencies during medical studies is subject to fundamental discussions. It has often been criticized that medical students do not gain sufficient scientific competencies for their future clinical or scientific work. Thus, many medical faculties attempt to establish programs to improve the impartation of scientific competencies during medical studies.

This survey aims to assess the medical students' attitude towards scientific competencies. We would be very pleased if you could fill out the following questionnaire. It will take about 10 minutes of your time.

Please note: Only fill out the questionnaire, if you are a medical student!

Best regards,

Tabea, Antonius and Simon
National Officers on Medical Education
German Medical Students' Association

1. Age
What is your age?

2. Gender

☐ male
☐ female
☐ not specified

3. University
At which of University do you study?

[Please choose]
4. Semester
What is your semester?

5. Do you have scientific experience (work on scientific projects, publications etc.)?
Multiple answers possible.

- Yes, within the regular medical curriculum.
- Yes, from preparing a doctoral thesis.
- Yes, within a student project.
- Yes, as a student assistant.
- None.
- Other

6. Did you start working on a doctoral thesis?

- I plan to work on a doctoral thesis.
- I have started to work on a doctoral thesis.
- I cancelled the work on a doctoral thesis.
- I don’t want to do a doctorate.
- I don’t know yet.
7. I rate my own scientific competencies as...

<table>
<thead>
<tr>
<th>Competency</th>
<th>Very Good</th>
<th>Rather Good</th>
<th>Rather Bad</th>
<th>Very Bad</th>
<th>Not Specified</th>
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<tbody>
<tr>
<td>Literature search</td>
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<tr>
<td>Critical analysis of scientific publications</td>
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<td>Statistics</td>
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<td>Scientific writing</td>
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8. Please state your level of agreement.

- The critical analysis of scientific publications is a key competency for physicians.
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- The ability of conducting research projects independently is an important competence for physicians.
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- It is important that physicians do scientific work besides patient care.
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- Every medical student should conduct a research project as part of his/her curriculum (e.g. term paper, small research project).
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- There should be special programs for students who are interested in research (e.g. MD/PhD programs, research tracks).
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- My studies prepare me well for working on my dissertation.
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified

- Physicians should obtain a doctorate.
  - Fully agree
  - Rather agree
  - Rather not agree
  - Fully not agree
  - Not specified
9. Of the following curricular contents I wish for...

<table>
<thead>
<tr>
<th>Content</th>
<th>much more</th>
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<th>equal</th>
<th>less</th>
<th>much less</th>
<th>not specified</th>
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<tbody>
<tr>
<td>&quot;Good scientific practice&quot;</td>
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<td>Critical analysis of scientific publications</td>
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10. What is the best time point to start scientific research training during medical studies? (optional)
11. Which aspects are important and have to be considered when setting up scientific education? (optional)

12. Do you have general suggestions to improve the impartation of scientific competencies during medical studies? (optional)

13. Captcha

seven plus one is [blank]

Thank you for participation!

We would like to thank you for your help.
Your answers have been saved. You may close your browser window now.

Antonius Ratte, Universität Heidelberg – 2017