

# Please connect your smartphone to WiFi

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2. Go to: Leiden University network
3. Choose ULCN account
4. Provide inlog and password
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6. Go to **shakeq.com**
7. Log in with **DEC**



We will use the internet connection during the presentation by Peter Sterk

# Towards a career track of young biomedical scientists

p.j.sterk@amc.nl



# The career track of young biomedical scientists

1. What are your needs?
2. What can we offer?
3. How can we match those?

**Interactive: smartphones ready**



# Prepare to vote; keep your phone ready!

TXT

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Internet

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Twitter

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Voting is anonymous

# My current academic background is:

- A. MSc
- B. MD
- C. PhD
- D. MD/PhD

# votes: 0

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# My current academic background is:

A. MSc

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B. MD

0.0%

C. PhD

0.0%

D. MD/PhD

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# What is driving scientists?

Fascination  
for  
unaswered  
questions

Pushing  
the field  
forward

Being  
thé  
expert

Choi *et al.* J Epidemiol Community Health 2005;59:632-637



# My professional horizon is:

- A. Academic, becoming a leader in basic biomedical science
- B. Academic, leading a clinical research group
- C. Private enterprise, leading an industrial research lab
- D. Medical specialist, running a big clinical group
- E. Other

# votes: 0

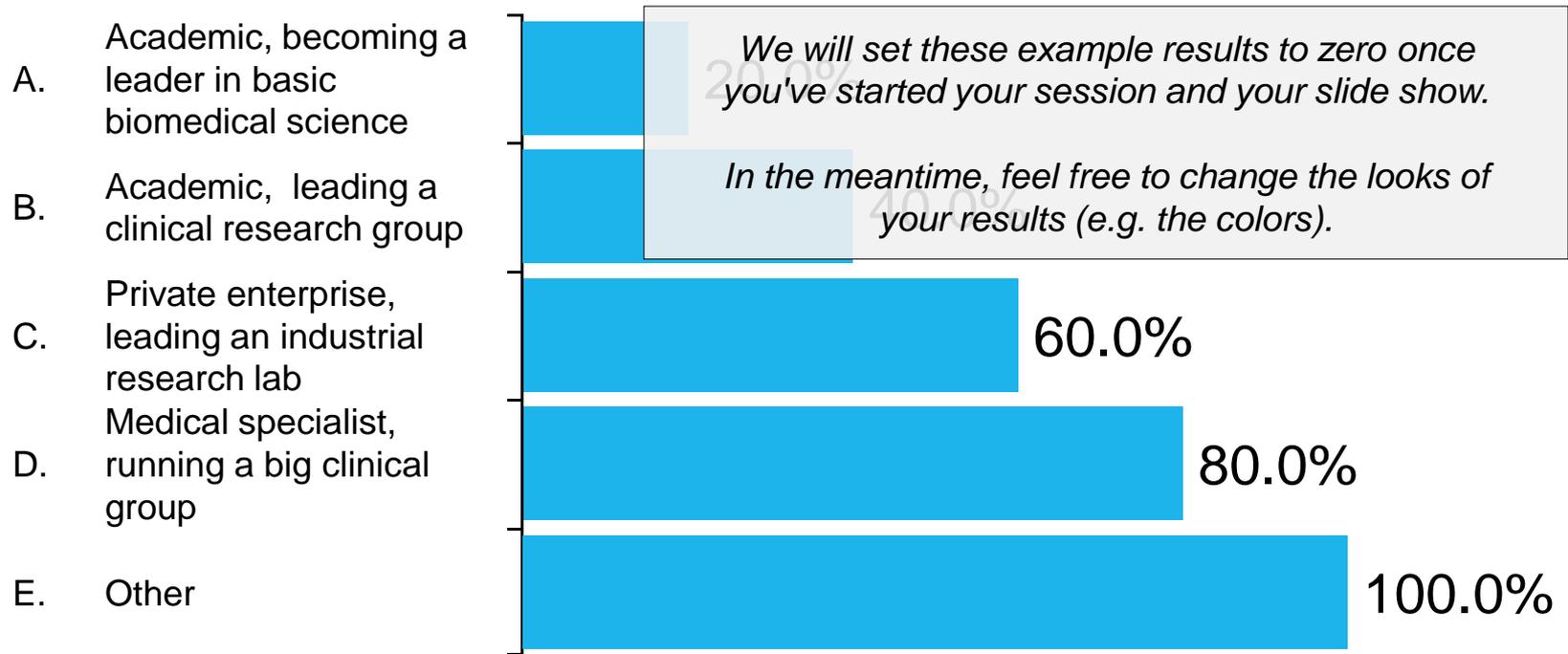
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# My professional horizon is:

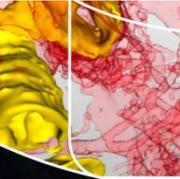
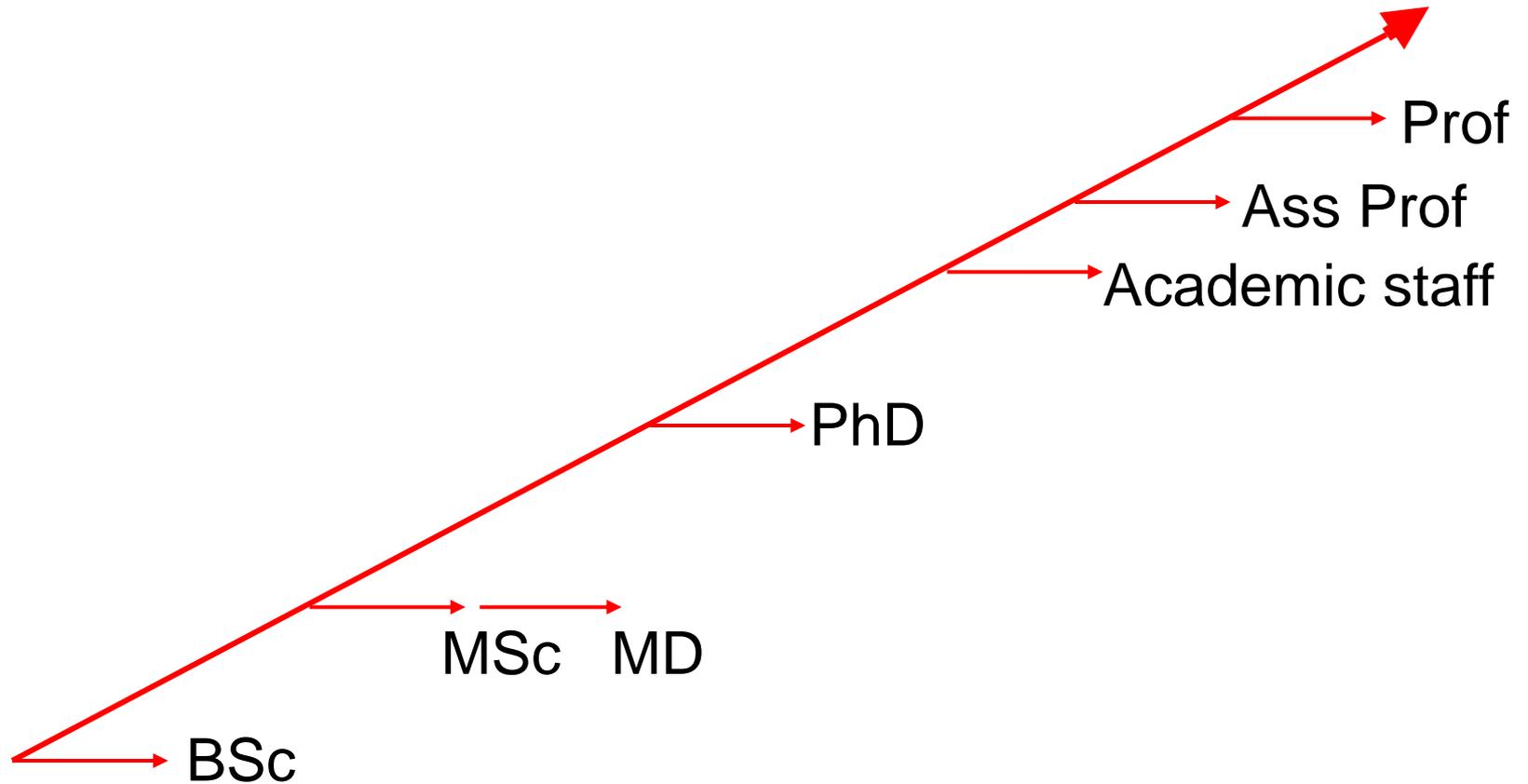


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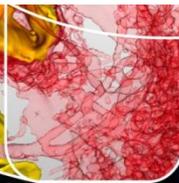
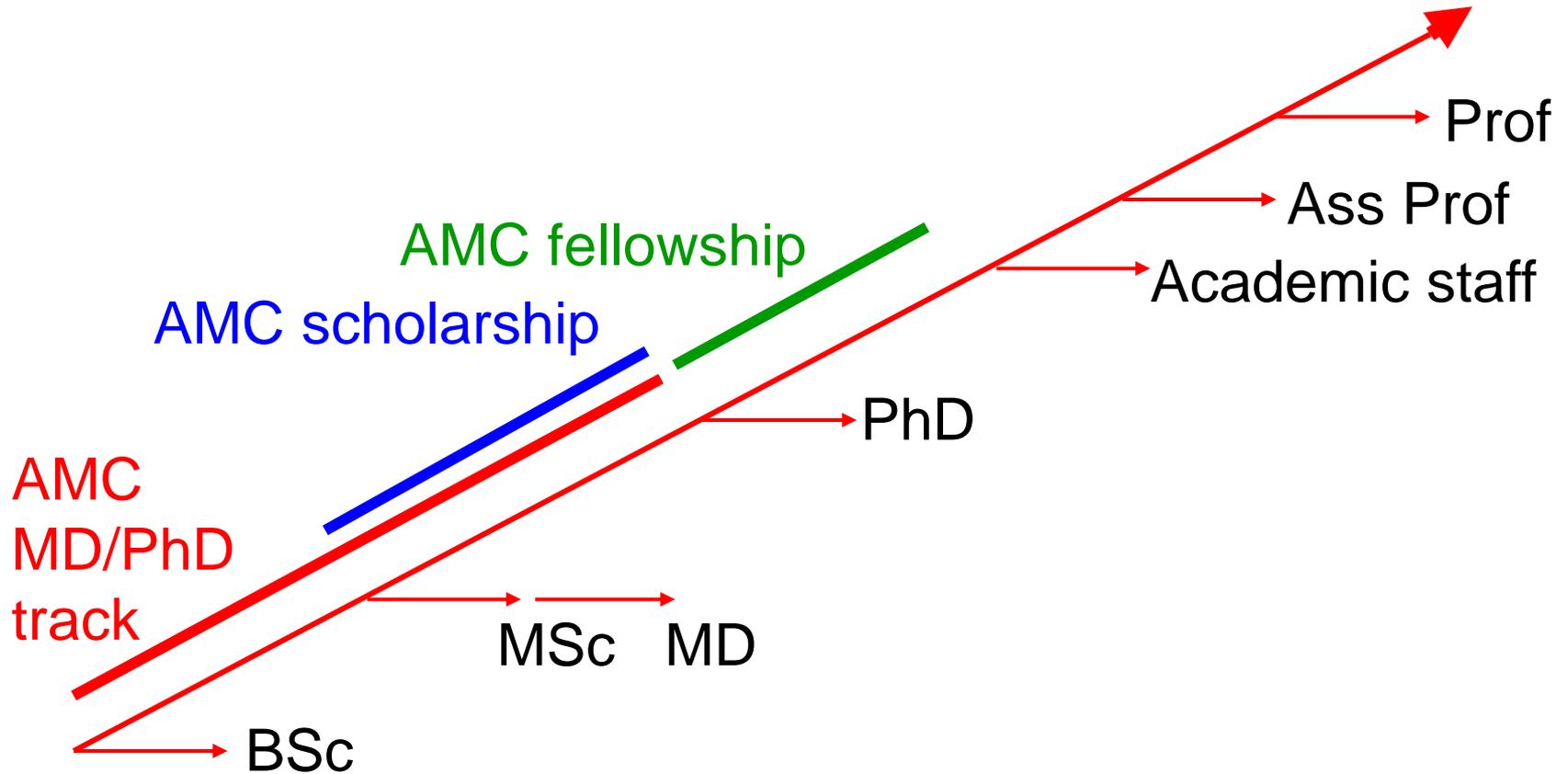
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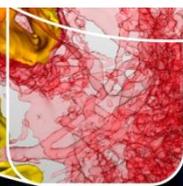
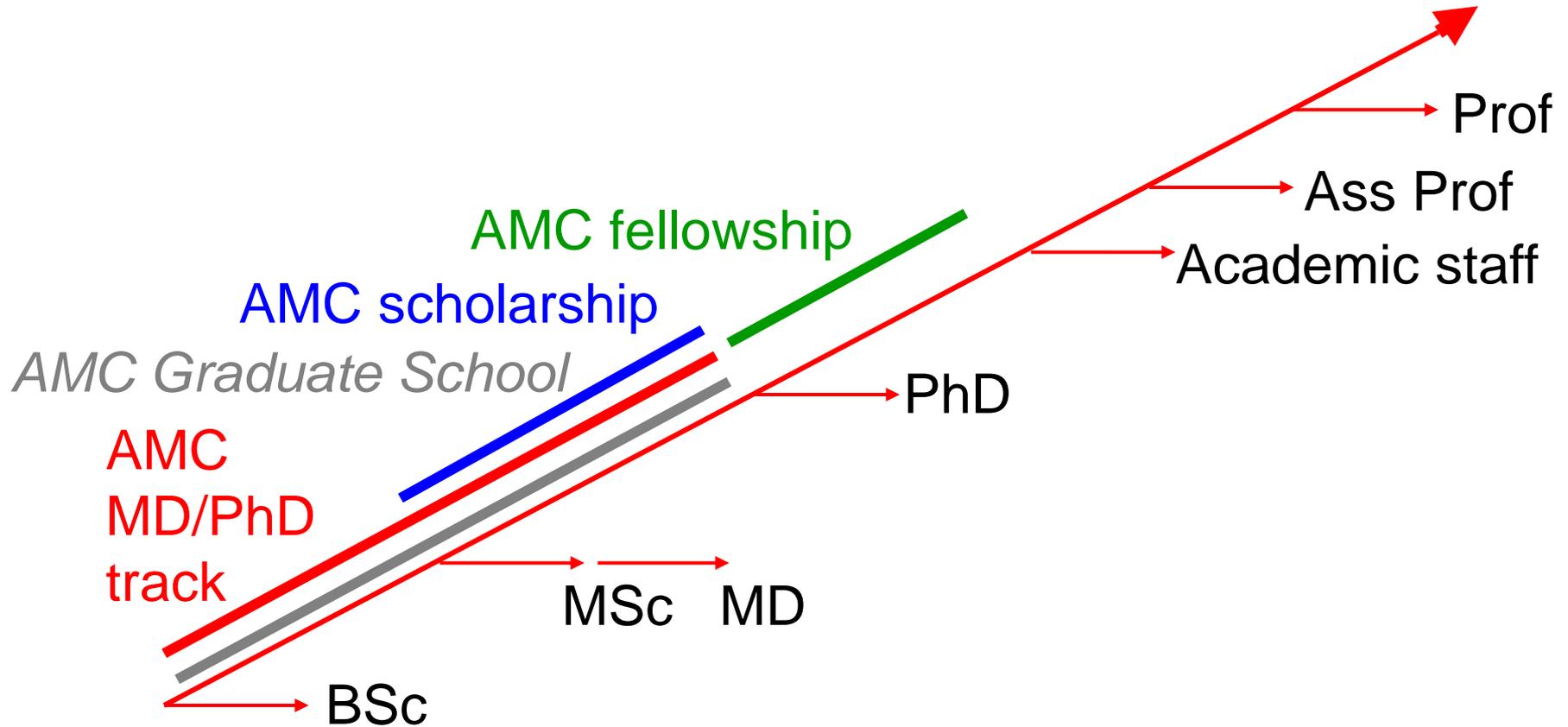
# Educational and career continuüm



# Educational and career continuüm



# Educational and career continuüm



## General skills

Scientific writing  
 Oral presentation  
 Career development  
 Project management  
 Radiation protection  
 Basic laboratory safety  
 Laboratory animals  
 Entrepreneurship

## Scientific methods

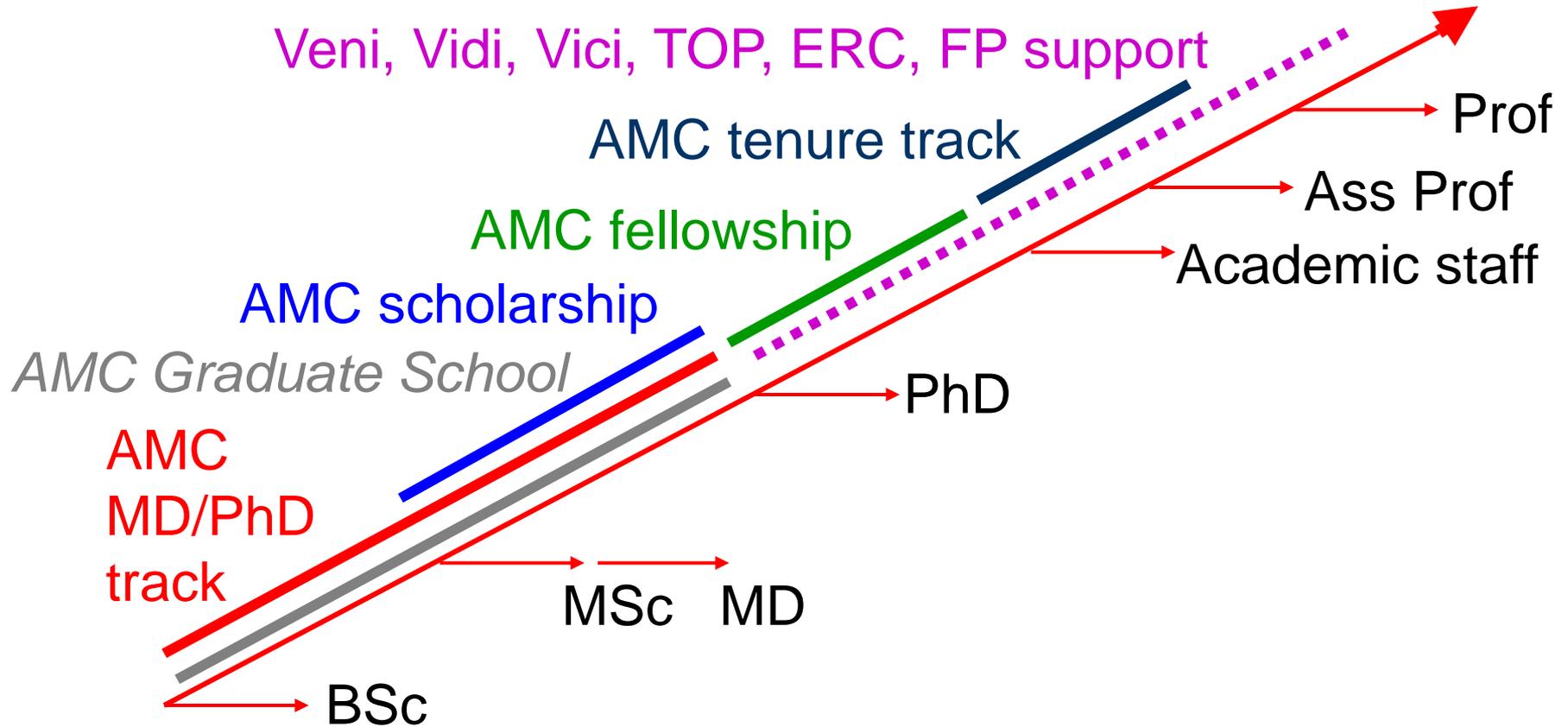
AMC world of science  
 Management medical literature  
 Practical biostatistics  
 Computing in R  
 Advanced topics in biostatistics  
 Clinical data management  
 Pathological anatomy of mice  
 Crash course biochem/mol biol  
 Mass spectrometry, proteomics  
 Basic microscopy  
 Advance microscopy  
 Systematic reviews  
 Advanced clinical epidemiology  
 Qualitative health research  
 MATLAB

## Specific areas

Cardiovascular research  
 Infectious diseases  
 Advanced immunology  
 Genetic epidemiology  
 Neuro & psych disorders  
 Oncology  
 Gene targeting  
 Systems medicine



# Educational and career continuüm



# What is the most vulnerable episode, with the worst prospect of scientific career support?

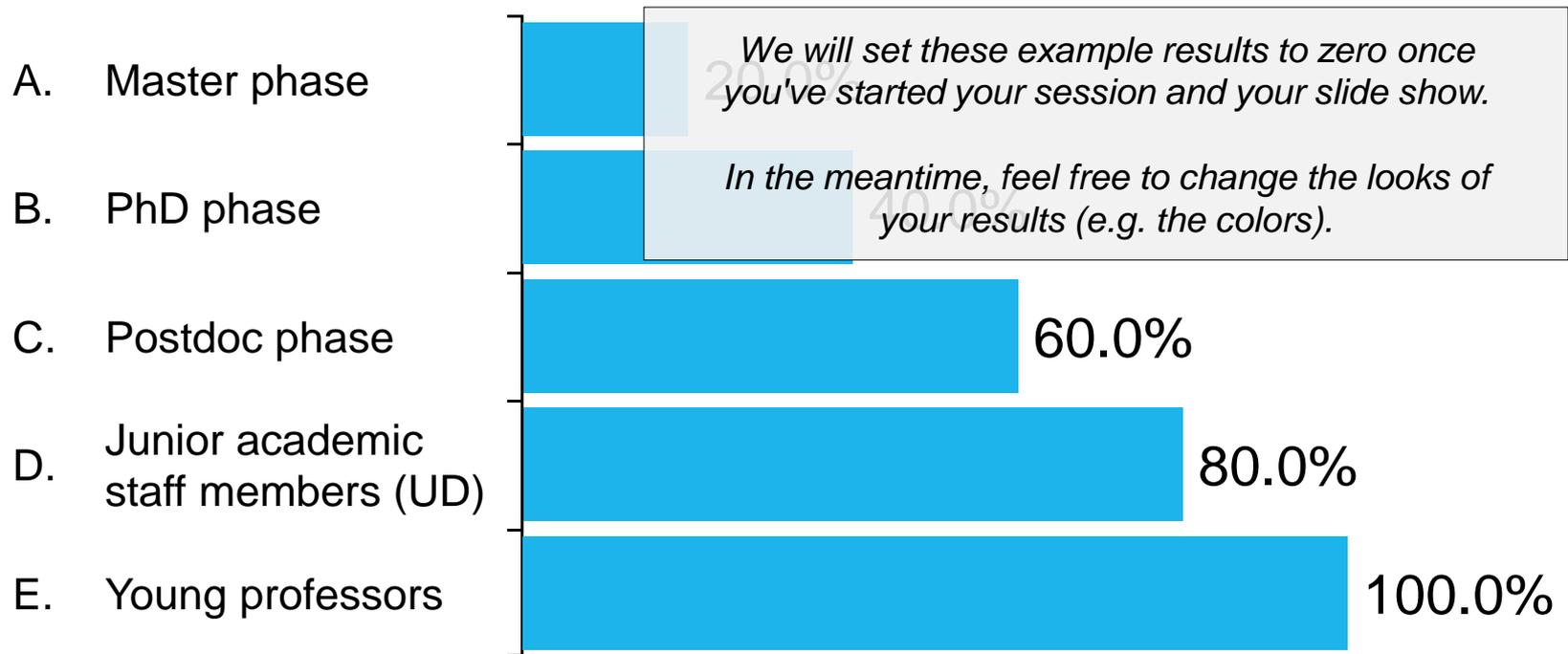
- A. Master phase
- B. PhD phase
- C. Postdoc phase
- D. Junior academic staff members (UD)
- E. Young professors

# votes: 0

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# What is the most vulnerable episode, with the worst prospect of scientific career support?

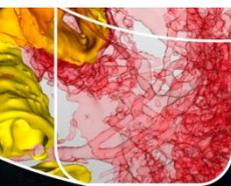
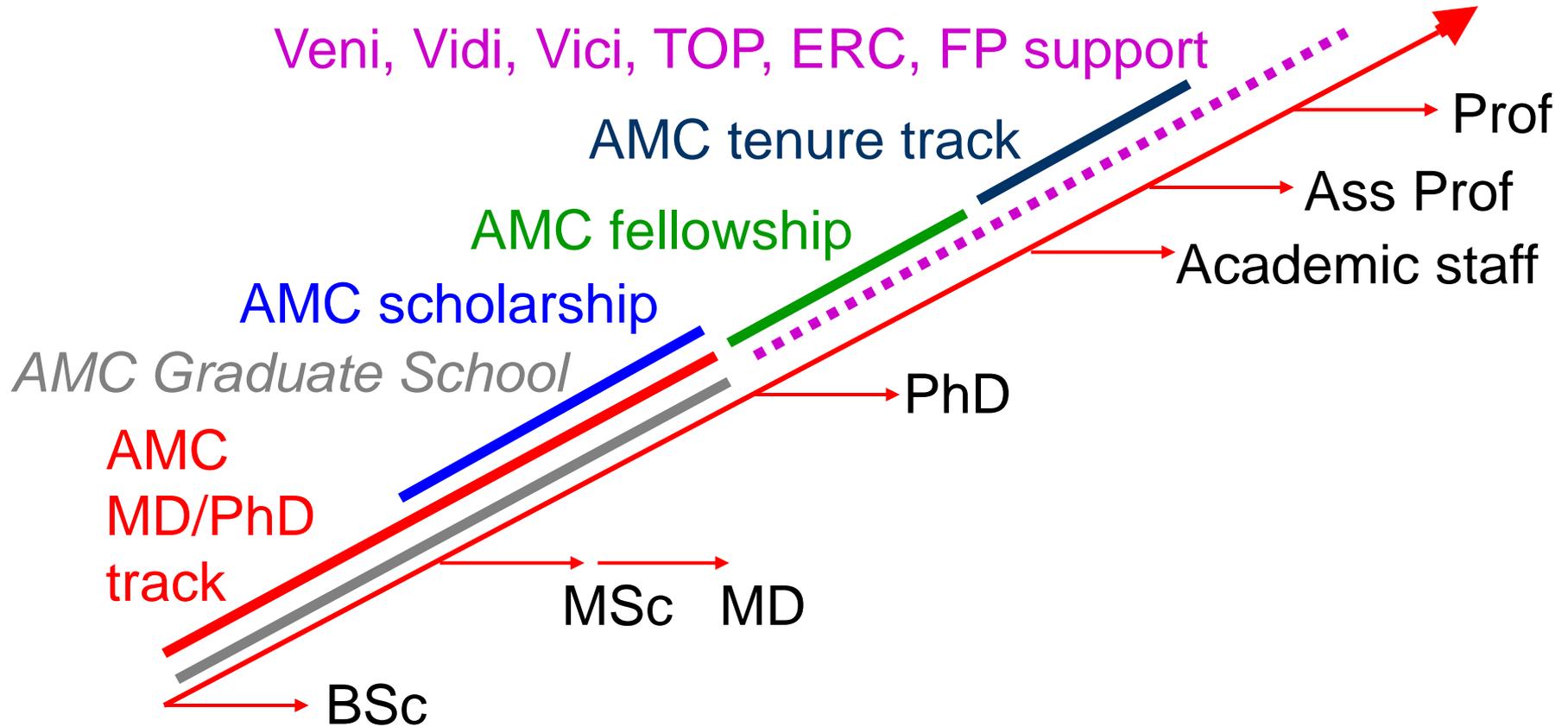


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# Educational and career continuüm



# What will be the solution of covering this gap in scientific career support?

- A. Expand tailored support programs by the institutes (UMCs)
- B. Reinforce governmental programs (NWO, ZonMW)
- C. Private or public-private investments
- D. Tailored programs by charities
- E. The EU: Marie Curie, ERC, Horizon 2020
- F. Other

# votes: 0

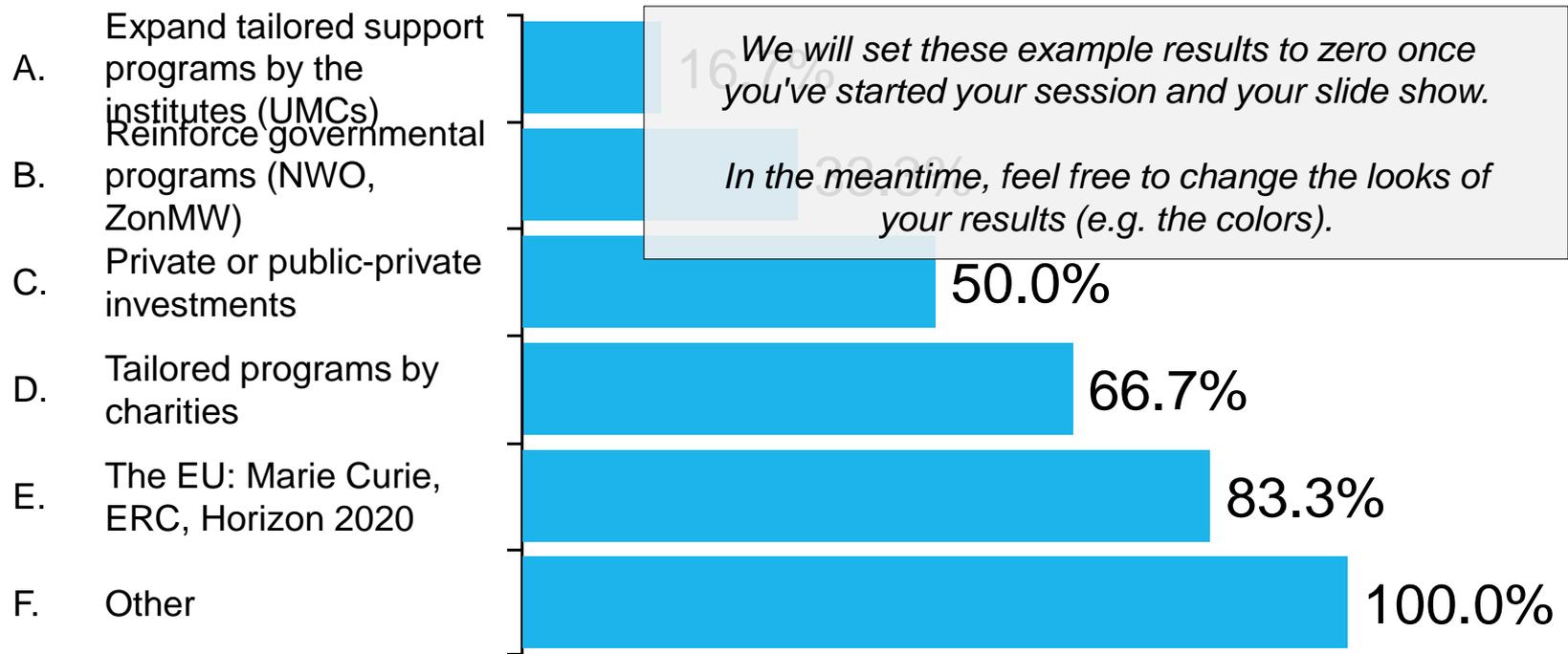
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(mailto:shakespeak@planning.siw.nl) inserted after you have started a session.  
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# What will be the solution of covering this gap in scientific career support?



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# Conclusions

1. Institutes should provide a solid educational and career continuum
2. At best, this supports a small minority
3. Governmental/private/charity initiatives need to support this (e.g. IMI)
4. And .....
5. Your assignement:

[p.j.sterk@amc.nl](mailto:p.j.sterk@amc.nl)



# Assignment for the coming years

- Enjoy it!
- Like this guy did:



**Barry Marshall**  
Clinical fellow

Lancet 1990  
Nobel Prize 2005

