Career perspectives
What career expectations do you currently have?
Desired career among MN candidates (Norway)

R&D institute sector
R&D academia
Uncertain
R&D private
Other position private sector
Other position in public sector

Percent

n = 724
Making the leap
- to your dream career

Faculty of Mathematics and Natural Sciences
University of Oslo
What does it take to succeed in academia?
§1-4 Criteria for appointment as a 'førsteamanuensis' (associate professor)

- Applicants must be assessed, but not ranked, on whether they meet the following requirements:
  - Completed own program (minimum 200 hours) / relevant courses and own practical teaching, and acquired basic skills in planning, implementation, evaluation and development of teaching and supervision (basic competence for teaching and supervision at university and college level).

- The skills must be documented in the form of a systematic and comprehensive presentation that is assessed by the institutions.

- Those who do not meet the requirements for employment shall be required to meet them within two years of employment.
§1-2. Criteria for appointment as a professor

(3) In addition to the requirements for basic competence for teaching and supervision at the university and college level described for the position as associate professor, it must be documented:

- Quality development in own teaching and guidance over time
- Extensive experience with supervision, preferably at the master / PhD level
- Participation in the development of educational quality in professional communities.
Promotion to full professor

Indisputable expertise in the fields of Mathematics, Science and Technology nationally and internationally.

For a candidate to be deemed indisputably eligible for personal promotion to full professor the following criteria must be met:

1. Scientific qualifications
   - Scientific competence equal to or better than international standards for professorship in the relevant field
   - Scientific output that show deep specialized understanding, good understanding of the broader subject area and extensive insight into adjacent areas
   - Patents and innovation
   - International scientific publications with peer review (papers, articles, book chapters)

2. Pedagogical qualifications, teaching and supervision
   - Teaching qualifications and skills of high standard
   - Teaching experience at both graduate and undergraduate levels
   - Self-produced teaching aids (textbooks/compendia) should also be given emphasis
   - Proficiency and experience in the supervision of PhD candidates
Promotion to full professor

3. Scientific management experience
   - Demonstrated good leadership skills and research and educational management skills
   - The ability to initiate and lead research
   - Management of research groups as well as academic and administrative work

4. Networking and collaboration
   - Demonstrate good networking and collaboration skills both nationally and internationally
   - Participation in consortia and form institutional networks

5. External funding
   - Documented ability to attract external funding of research projects
   - Joint applications should be credited

6. International profile
   - Document his/her activities and importance in the international research arena (international research collaboration, participation in international scientific forums, works as an authority for journals and/or institutions)

7. Administrative experience
   - Experience in administrative work in academic (participation in/management of units and committees)

8. Dissemination/outreach
   - Experience in communicating scientific debate and results to forums outside of academia
   - Dissemination to the general public through popular scientific activities and communication via public media
And a little bit of luck
Age distribution - professors (MN)
Exercise

Aim
Get a better idea of your career options and where your career could take you.

1. Brainstorm career options for PhD candidates
   University, research institute, government, industry, entrepreneurship, ideal organizations

2. Which skills are required for the career?

3. How to continuously prepare for ‘life after PhD’ while doing a PhD?
   Distil into action items
   • Individual actions
   • Group actions
   • Faculty actions (seminars, workshops etc.)
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KarriereUka
26 September    60 companies

Aker Solutions  accenture  Equinor
Deloitte  Klima- og Miljødepartementet  SINTEF
DNB  FFI Forsvarets Forskningsinstitutt  EY