



Industry Path to Academia

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Non-university Research Institutions



MAX-PLANCK-GESELLSCHAFT

- **Max Planck Society**
www.mpg.de/en



- **Helmholtz Association of National Research Centers**
www.helmholtz.de/en/



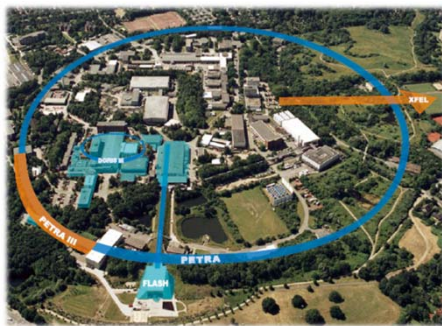
- **Leibniz Association**
www.wgl.de



- **Fraunhofer Gesellschaft**
www.fraunhofer.de/en

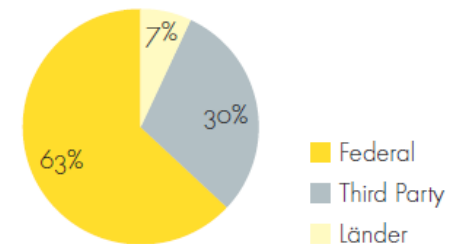
Helmholtz Association

- Top scientific achievements to society, science and industry for addressing the major challenges of today.
- Largest scientific organization in Germany.
- Research covers areas from health, environment and energy to fundamental research such as elementary particle physics.



Facts and Figures

- 18 research centers
- Staff: 33,634
- Budget: 3.4 billion €



18 Helmholtz Centers

Accelerator R&D as one focus:

- DESY
- FZ Jülich
- HZDR
- GSI
- KIT

- (DKFZ)
- (IPP)





How (not) to pursue a career in industry ?

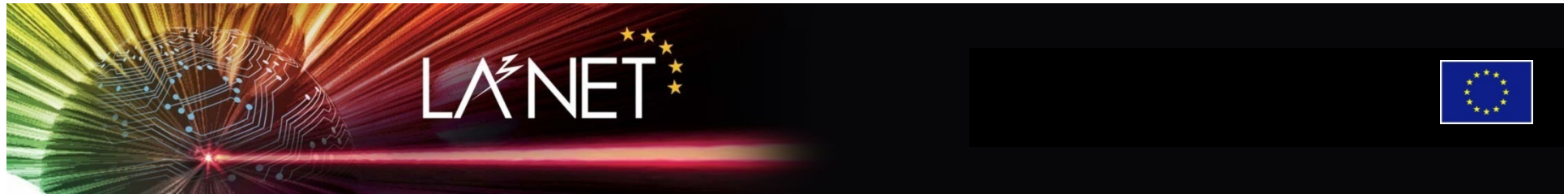
- Get world-class education;
- Provide evidence of your excellence *(e.g. degree marks)*;
- Obtain a broad and interdisciplinary training – beyond what the academic sector offers;
- Gain relevant work experiences;
- Build up a strong and international contact network.





How-to Guide: Academic Career Path

- Cutting edge research;
- Demonstrated R&D leadership (*publications, invited talks, etc.*);
- Establish international collaboration network;
- Attract funding;
- Be lucky with the timing.



Academia vs. Industry

- Driver: Blue sky vs. applied research;
- Freedom: Choice of research topics;
- Two worlds: Research and teaching;
- Career planning: Work contracts;
- Support I: Professional (?) services;
- Support II: Funding.



This Workshop

- Huge range of potential career pathways;
- Excellent opportunity to gain insight;
- Find out what works best for you – discuss with others;
- Use training opportunities with LA³NET *(and beyond)*;
- Consider internships, establish new contacts.

Enjoy the workshop !