

# **Career Paths in Research: Beyond the Bench**

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**Nishtha Tikalal**

# Agenda

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**Objective:** Being a doctor isn't limited to a medical degree.

**01.** Why Explore a Career Beyond the Bench?

**02.** Academic Career Path.

**03.** Industry Research & Development.

**04.** Science Policy & Administration.

**05.** Science Communication & Outreach.

**06.** Emerging & Alternate Career Paths.

**07.** Key Skills for Success Across Careers.

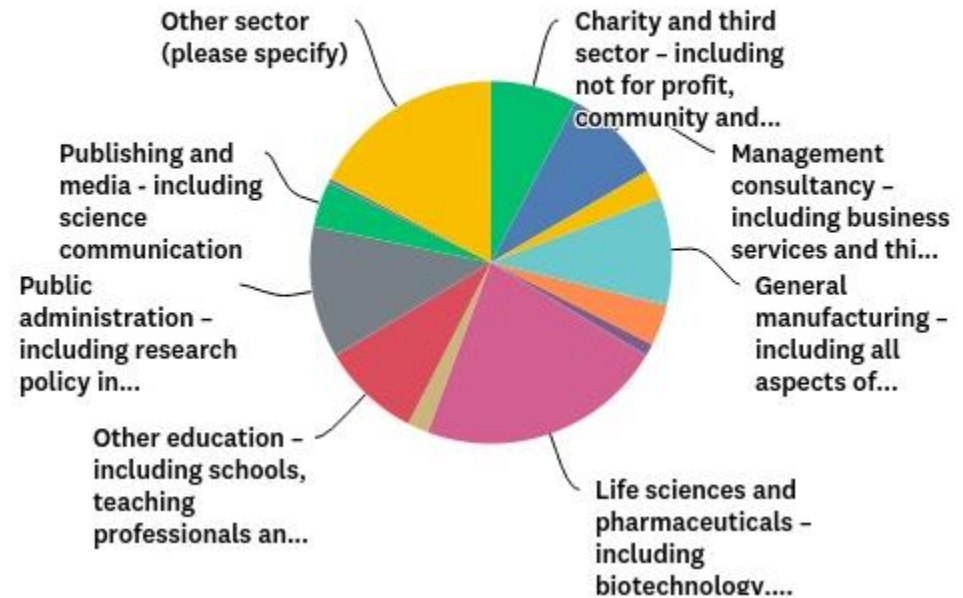
**08.** Having a Plan.

**09.** Q&A.

# Why Explore a Career Beyond the Bench?

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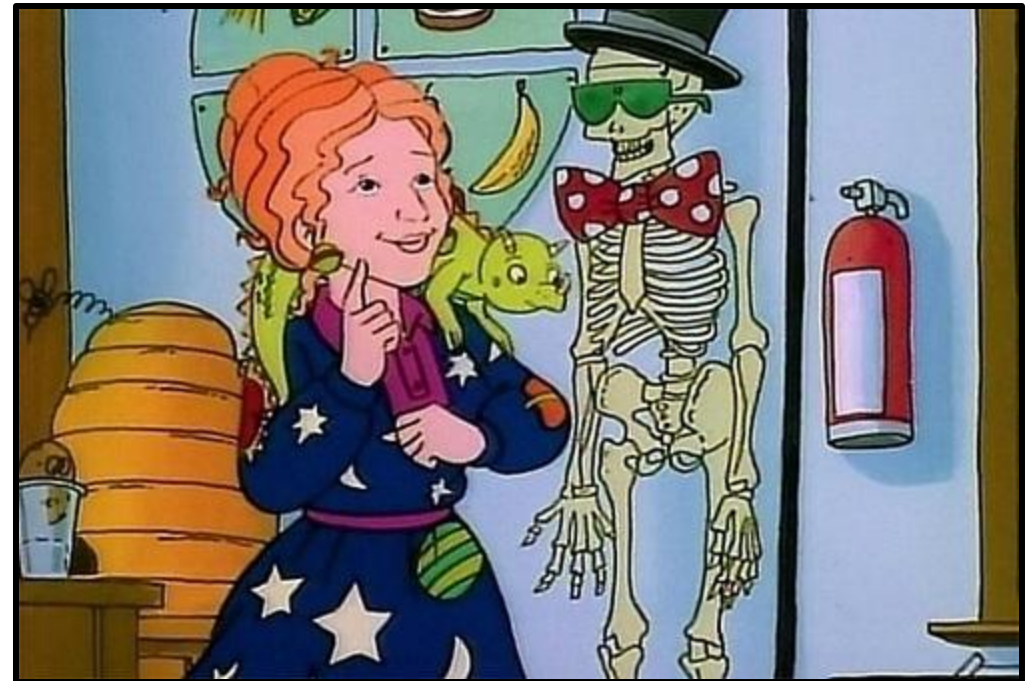
- Many PhDs pursue careers **outside** traditional lab research.
- Diverse options **leverage** research skills in new ways.
- Importance of **planning** and **broadening horizons early**.



# Academia.

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- **Roles:** Professor, Principal Investigator, Lecturer, Research Scientist.
- **Activities:** Teaching, research, publishing, mentoring students.
- **Challenges:** Funding, publish-or-perish culture, tenure process.
- **Rewards:** Intellectual freedom, shaping future scientists.



# Industry R&D.

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- Careers in biotech, pharma, tech companies, startups.
- Focus on applied research, product development, innovation.
- **Skills valued:** teamwork, project management, problem-solving.
- Faster pace, goal-oriented, interdisciplinary teams.



# Science Policy and Administration.

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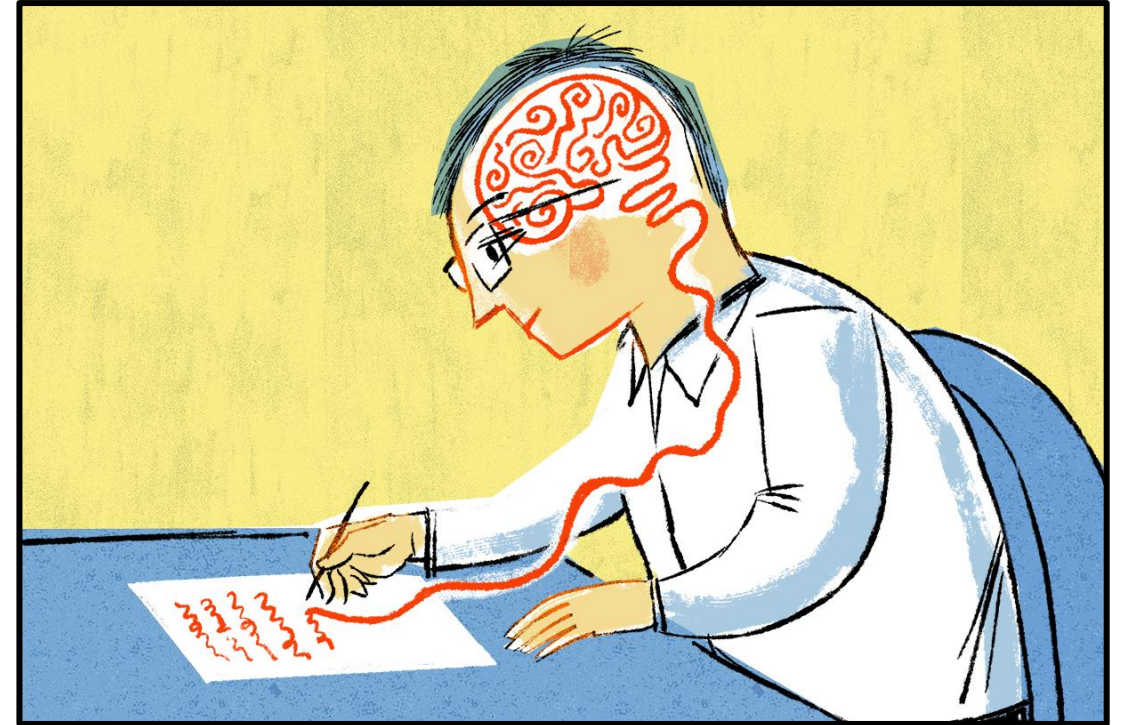
- Influencing public policy and funding decisions.
- **Roles:** Policy analyst, advisor, grant manager, government scientist.
- Impacting science regulation, ethical standards, and research priorities.
- Combines scientific expertise with communication and negotiation skills.



# Science Communication & Outreach.

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- **Roles:** Science writer, public information officer, educator.
- Making science accessible to the public and stakeholders.
- Skills: storytelling, multimedia, social media, public speaking.
- Enhances public understanding and supports evidence-based decision-making.

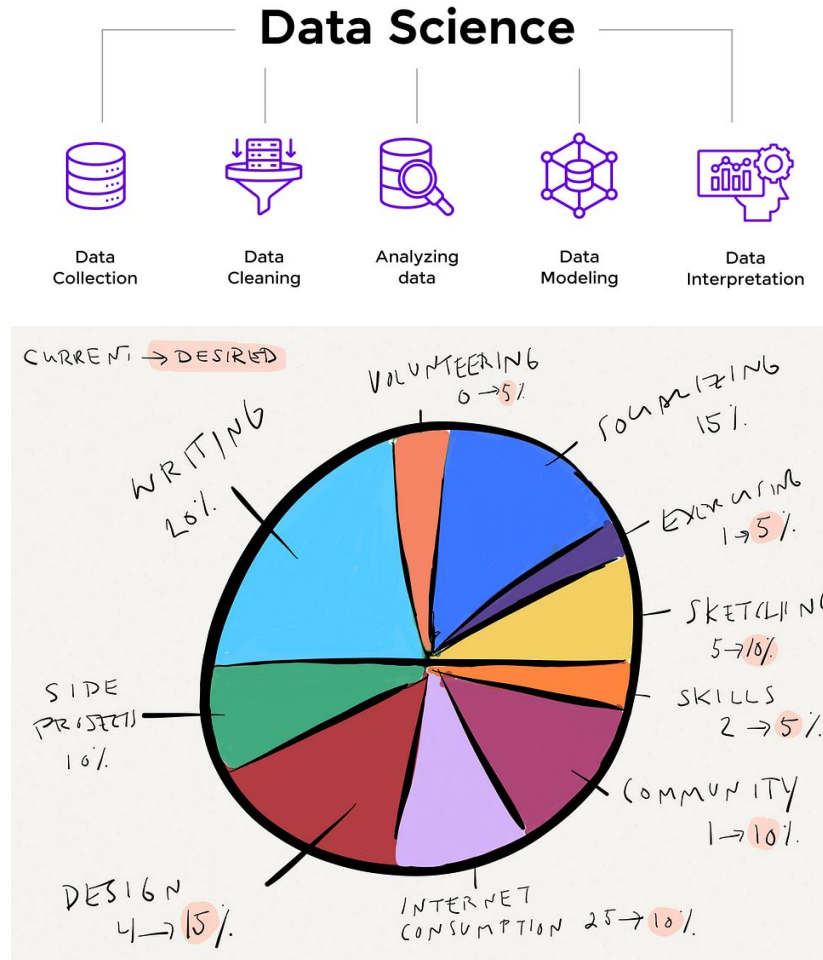




# Alternatives.

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- Data science, patent law, consulting, entrepreneurship.
- Growing fields for research-trained professionals.
- Importance of transferable skills and adaptability.

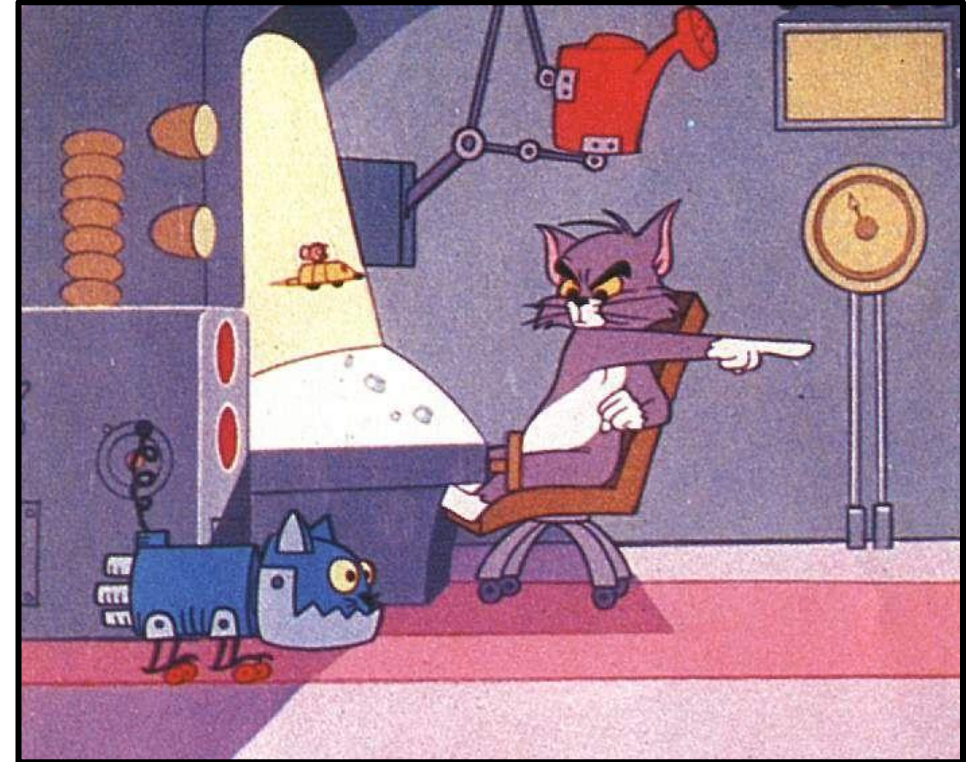




# Valued Skillsets.

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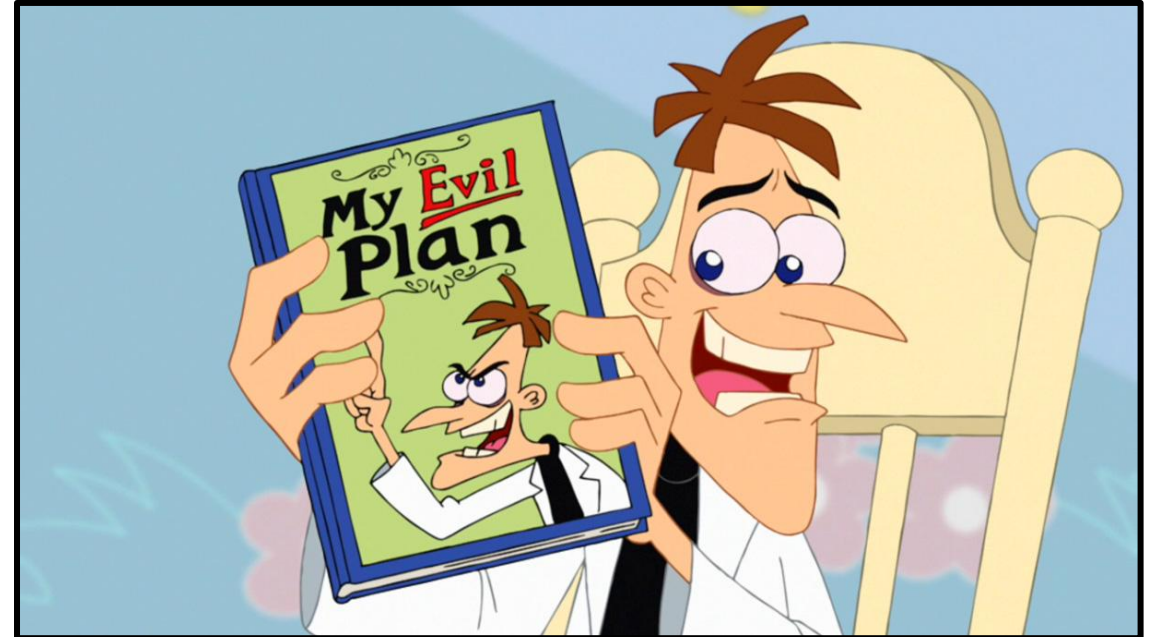
- Critical thinking and analysis.
- Communication and networking.
- Project and time management.
- Creativity and problem-solving.
- Lifelong learning and flexibility.



# Planning.

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- Seek mentorship and informational interviews.
- Gain internships, fellowships outside academia.
- Build transferable skills during PhD training.
- Stay open to diverse opportunities and redefine success.



# Q&A.

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- Open floor for questions or personal reflections.
- How do you envision your research career path?

