

Trainer Profile – Dr. Alexander Britz

As a trainer and coach, I specialize in working with young scientists. I am by education an interdisciplinary scientist between chemistry, physics, and materials science. Next to science and academia, I am passionate about innovation, sustainability, diversity, and community. While working in academic research groups in Germany, Spain, and the United States, I noticed that science could be much more efficient and productive with improvements in communication and organization. Therefore, I made it my mission to explore new ways to facilitate science by helping especially young researchers to find new ways of working in academic research. In this respect I offer intense 1–3-day workshops, both online or on-site, in which the participants develop their communication, management, creativity and leadership skills. Furthermore, I continuously work on developing novel teaching and learning formats and finding new ways to elevate science.



Portfolio

A selection of workshops and courses I offer, which can be modified or combined. Furthermore, I design custom workshop tailored to the organizers and participants needs. All are highly interactive and can be held online, on-site, in English or German.

Transferable Skills Workshops

- Scientific Presentations
- Creativity in Science and Academia
- Scientific Writing
- Grant Writing – How to Get Funded
- Project and Time Management for Scientists
- Leadership Skills for Scientists
- What's next? Career Development in or Outside Academia
- Career Development Skills: Mastering my Job Interview
- Good Scientific Practice
- Effective Communication in Science: Mastering Collaborations and Managing Conflicts

Python Courses

- Introduction to Python
- Python for Data Analysis and Visualization
- Machine Learning with Python
- Python Programming with AI-based Tools

Trainer Education

04.2020 – 11.2023	Certification Train Together Facilitator
11.2022 – 11.2023	Train-the-Trainer: Communication and Behavior, ARTOP Berlin
19.6. – 20.6.2023	Advanced Deep Learning Train-the-Trainer Workshop, ErUM-Data-Hub und DIG-UM, TU Dortmund
3.10. – 4.10.2022	Interactive Techniques for Instructor-led Training, Dr. Sivasailam “Thiagi” Thiagarajan and Matthew Richter, Paris
23.5. – 25.05.2022	Introduction to Mediation, ARTOP Berlin
21.6. – 30.07.2021	Learning Development Conference 2021
23. – 25.03.2021	The Interactive Techniques for Improved Learning Conference
19. – 21.11.2020	Introduction to Coaching and Individual Consulting, ARTOP Berlin
13. – 14.08.2020	Basic Training: Diversity, Eine Welt der Vielfalt e.V.
18. – 19.6.2020	LOLA: Live Online Learning Activities, Dr. Sivasailam “Thiagi” Thiagarajan and Matthew Richter, Online
08.05.2020	Thiagi's Live-Online-Learn-Activities (LOLAs) for Trainers, Dr. Alexander Schiller, Online
Since 4.2020	Active member of the TTF – Train Together Network: Weekly (online) network to jointly learn and practice new training methods. Annual Train-Together-Academy in person at various locations.

Scientific Education and Research Experience

Since 2020	Self-employed trainer, coach, and facilitator for young scientists
2018 – 2020	Research Associate, Stanford University and SLAC National Accelerator Laboratory
2017	Dr. rer. nat. Physics, Hamburg Universität
2013 – 2017	Ph.D. Student and Postdoc, European XFEL GmbH
2006 – 2012	B.Sc. and M.Sc. in Physics at TU Darmstadt, ICFO (Barcelona) and Universidad de Extremadura (Spain)

References (selected institutions)

Friedrich-Schiller Universität Jena, Georg-August-University Göttingen, Helmholtz-Zentrum Berlin, Leibniz-Institut für Raumbezogene Sozialforschung e.V. (IRS), Max Planck Institute for Extraterrestrial Physics, Max Planck Institute for Solid State Research, Max Planck Institute for Meteorology, Max Planck Institute for the Science of Light, Max Planck Institute for the Structure and Dynamics of Matter, Medical School Berlin, Otto-von-Guericke-Universität Magdeburg, PIER Education Platform – DESY/Universität Hamburg, Universität Rostock, Universität des Saarlandes, Universität Stuttgart, Universität Hamburg Centre for Ultrafast Imaging, Universität Leipzig, Westfälische Wilhelms-Universität Münster