

## LBG Career Center

### Syllabus

<b>Event</b>	Skills Training – Digital Tools for the Research Process
<b>Speakers</b>	Dr. Jana Lasser & Dr. Hannah Metzler
<b>PM</b>	Mag. Mareike Kerschbaum
<b>Time</b>	<b>November 17</b> , 2023 / 9:00 am – 5:00 pm
<b>Place</b>	Online via Zoom
<b>Language</b>	English

### Agenda

WHEN	WHAT	HOW
9:00 – 9:10	Welcome & Short introduction Outline	Mareike Kerschbaum, Jana Lasser, Hannah Metzler
9:10 – 9:40	<u>TRANSPARENCY AND REPRODUCIBILITY THROUGH OPEN RESEARCH PRACTICES</u> - Biases in science - The replication crisis	Hannah Metzler
9:40-10:10	<u>THE DIGITAL RESEARCH WORKFLOW</u> - Overview of digital research designs, work flows, and data management	Hannah Metzler
10:10 – 10:20	Break	
10:20-11:15	<u>DIGITALLY ENHANCED LITERATURE SEARCH AND MANAGEMENT</u> - Zotero, ResearchRabbit & Google scholar - Exercise: Literature search workflow	Hannah Metzler
11:15 – 11:25	Break	
11:25 – 12:30	<u>DOCUMENTATION</u> - Best practices for digital documentation - Übung: Forschungsressourcen transparent und auffindbar	Jana Lasser

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12:30 – 13:30	Lunch break	
13:30 – 14:45	<u>DIGITAL COLLABORATION: WRITING</u> - Living Documents - Exercise: Collaborative writing & version control in living documents - Coding notebooks and executable articles	Jana Lasser
14:45 – 14:55	Break	
14:55 – 15:30	<u>MAKING RESEARCH OUTPUT USEABLE</u> - Licenses - Exercise: Finding the license for your research	Jana Lasser
15:30-16:00	<u>NEW FORMS OF PUBLICATION</u> - Preprints & overlay journals - Registered Reports	Hannah Metzler & Jana Lasser
16:00-16:10	Break	
16:10-16:25	- Exercise: - Which journals in your research area are relevant? - Registered reports and reproducible journals in your discipline	Hannah Metzler & Jana Lasser
16:25 – 16:55	<u>DISCUSSION</u> Which digital tools could be useful for your research process and in your scientific field?	Hannah Metzler & Jana Lasser
16:55 – 17:00	Closing	Mareike Kerschbaum

## Speakers

### Dr. Jana Lasser

Postdoctoral Researcher at Graz University of Technology

**Core competencies:** computational social science, data science, machine learning, open and reproducible research practices

**Contact:** [jana.lasser@tugraz.at](mailto:jana.lasser@tugraz.at), [www.janalasser.at](http://www.janalasser.at)



#### Profile (extract)

- WiSe 2023, RWTH Aachen, Professor for Computational Social Sciences and Humanities (W3, interim)
- 2021-2023, Graz University of Technology, Marie Curie Fellow
- 2020, Complexity Science Hub Vienna, PostDoc
- 2015-2019, Max Planck Institute for Dynamics and Self-Organization & University of Göttingen, doctoral researcher & PostDoc
- B.Sc, M.Sc. And PhD in physics

### Dr. Hannah Metzler

Postdoctoral Researcher at Medical University of Vienna & Complexity Science Hub

**Core competencies:** computational social science, psychology, neuroscience, statistics, open and reproducible research practices

**Contact:** [metzler@csh.ac.at](mailto:metzler@csh.ac.at), [www.hannahmetzler.eu](http://www.hannahmetzler.eu)



#### Profile (extract)

- 2021-2023, Complexity Science Hub Vienna, PostDoc & Project Lead
- 2020-2023, Medical University of Vienna, Center for Medical Data Science (until now) & Center for Public Health (until 2022), PostDoc
- 2019-2020, Know-Center - Research Center for Data-Driven Business & Big Data Analytics, Graz, senior researcher & project manager
- 2014-2018 Ecole Normale Supérieure Paris, doctoral researcher
- Mag.rer.nat in psychology, PhD in cognitive neuroscience