

Interfakultäre Ringvorlesung: 458846-FS2020-0

Titel (EN)	The Importance of Open Science and Research Integrity for Scientific Progress (lecture series)
Titel (DE)	Die Bedeutung von Open Science und Research Integrity für den wissenschaftlichen Fortschritt (Ringvorlesung)
Kurztitel	Lecture Series: Open Science
Unterrichtssprache	Englisch
Beschreibung	<p>In this lecture series we will first give an overview on open science and reproducible research. Then we will look at these topics from different perspectives - from a psychological point of view (how has the replication crisis changed research in psychology and psychosocial medicine); from a clinical point of view (how clinical research addresses the topics of reproducibility); from an open data and open publishing point of view (how we can make sure that our data are accessible and our publications are readable in the future); from a methodological point of view (what are important tools to achieve reproducible science and finally we will round up things talking about the importance of scientific integrity.</p> <ul style="list-style-type: none"> • Introduction to Open Science and Replication (PD Dr. Schulte-Mecklenbeck) • Psychology's Renaissance? (PD Dr. Hupfeld-Heinemann) • Research in psychosocial medicine (Prof. Kaess) • Clinical Research in the 21st century - reproducible and replicable?(PD Dr. med. Trelle) • Open Data und Open Source Software. (Dr. Stürmer) • Open Publishing (SNF, Horizon2020 ...) (J. Morger) • Methods for reproducible science: osf.io / git / Markdown (PD Dr. Schulte-Mecklenbeck) • Scientific Integrity (Prof. Dr. Ochsenreiter + Urs Feller) <p>The lecture is setup in four hour blocks with leading experts in a variety of fields taking turns to introduce their perspectives on open science and will count for 3 ECTS points.</p>
Prüfungsmodalitäten	multiple choice written exam
Zielgruppe	MA/PhD students from all faculties All students register for the course under the main course KSL No. 458846. For the examination, registrations must be made under the exam vessel in KSL of the relevant faculty/institute: BWL Master: KSL-No. 458847 BWL PhD: KSL-No. 459245 Psychologie: KSL-No. 459308
Learning Outcome	<p>Students ...</p> <ul style="list-style-type: none"> • can provide an overview of the arguments for open science and replication from the perspective of different fields (eg Psychology, Medicine, Biology). • understand what open data are and can name repositories for open data. • can differentiate between gold and green open access • are familiar with the osf webpage, can setup a project and upload data understand the role of the scientific integrity officer of the University of Bern
Anrechnung	3 ECTS

Dozierende	<p>Prof. Dr. Urs Feller-Kaiser, Emeriti, Phil.-nat. Fakultät</p> <p>PD Dr. Jörg Hupfeld, Institut für Psychologie, Abt. Soziale Neurowissenschaft und Sozialpsychologie</p> <p>Prof. Dr. Michael Kaess, Lehrkörper, Medizinische Fakultät</p> <p>Jennifer Morger, Universitätsbibliothek Bern, Open Science</p> <p>Prof. Dr. Torsten Ochsenreiter, Institut für Zellbiologie (IZB)</p> <p>PD Dr. Michael Schulte-Mecklenbeck, Institut für Marketing und Unternehmensführung, Consumer Behavior</p> <p>Dr. Matthias Stürmer, Institut für Wirtschaftsinformatik, Information Management</p> <p>PD Dr. med. Sven Trelle, Clinical Trials Unit Bern (CTU)</p>
Termine	<p>21.02.2020 09:00 - 12:00</p> <p>28.02.2020 09:00 - 12:00</p> <p>06.03.2020 09:00 - 12:00</p> <p>13.03.2020 09:00 - 12:00</p> <p>20.03.2020 09:00 - 12:00</p>