

2017:OPEN SCIENCE AND REPRODUCIBILITY SERIES

OPEN DATA

OPEN SCIENCE

OPEN MIND

OPEN SCIENCE GOALS

- ➡ Transparency in experimental methodology, observation, and collection of data
- ➡ Public availability and reusability of scientific data
- ➡ Public accessibility and transparency of scientific communication
- ➡ Using web-based tools to facilitate scientific collaboration

OPEN SCIENCE & REPRODUCIBILITY WORKSHOPS SERIES (2017)

(FBM/CHUV/LEMANIC NEUROSCIENCE DOCTORAL SCHOOL)

Workshop I. Systematic reviews / Bias Assessment

Lectures

SIS
(Dr. S. Villioud
Dr. L. Vogt)

Practical

SIS
(S. Villioud
Dr. L. Vogt)
&
FBM, CHUV
(Dr. C.
Lebrand)

Workshop II- Experimental design/biostatistics

Lectures

Biotelligence
(Dr. R-D.
Gosselin)

Practical

Biotelligence
(Dr. D-R.
Gosselin)

Workshop III: Data Management & Open Data

Lectures

SNSF
&
VitalIT/SIB
(Dr. M.
Ibberson) &
SISB, EPFL
(A. Dieudé)

Lectures

PLoS
Scientific Data-
Nature
&
Figshare
Zenodo
&
Authorea

Workshop IV: Data Management & Open Data

Practical

IUMSP
(M. Rege)
UNIL
(C. Jambé, G
Bagnoud) &
SISB, EPFL
(A. Dieudé)

Practical

FBM/CHUV
(Dr. C. Lebrand
J. Zbinden)
&
SISB, EPFL
(J. Krause)

WORKSHOP I

« ANIMAL SYSTEMATIC REVIEW AND BIAS DETECTION AS TOOLS FOR PROPER EXPERIMENTAL DESIGN »

17 MARCH 2017

DR. SYLVIE VULLIoud (SIS)

DR. LUCILE VOGT (SIS)

DR. CÉCILE LEBRAND (UNIL/CHUV)

LECTURE I: SYSTEMATIC REVIEWS

SYSTEMATIC REVIEW OF ANIMAL STUDIES DEMO

(DR. S. VULLIoud, DR. LUCILE VOGT)

2 HRS

- ➞ How systematic review helps for experimental design and science validity
- ➞ Formulating a suitable and specific research question
- ➞ Developing literature search strategies
- ➞ Risk of bias assessment

PRACTICAL WORKSHOP I:

SYSTEMATIC REVIEW OF ANIMAL STUDIES: METHODOLOGY (4 HRS)

DR. SYLVIE VULLIOUD

DR. LUCILE VOGT

DR. CÉCILE LEBRAND

Systematic Review (SYRCLE)

⇒ Pubmed/Zoreto

(Search components/field tags/free and Mesh terms /Boolean operators/Pubmed search builder/SYRCLE animal filter)

Publication risk of bias Review (RoB)

⇒ Internal validity

⇒ External validity