




# 2022 | TRAINING & WORKSHOPS


JAN 

Preparing effective research posters

19.01

1.00pm - 5.00pm





 Dr Malou Fraiture  
 Online - Webex  
 4h  
 12


FEB 

You are what you eat, true or not?

08.02

1.30pm - 5.30pm


 Dr Torsten Bohn  
 Online - Webex  
 4h  
 20


FEB 

Let's get started: Introduction to Luxembourgish language and culture





22.02

1.00pm - 5.00pm

 Dr Malou Fraiture  
 Online - Webex  
 4h  
 12

MAR/APR 

Introduction to Computer Programming in Julia

 Dr Matthew Flood  
 Online/Edison (hybrid) - Webex/Pasteur-Curie  
 6 x 2h  
 20

+

03.03

4.00pm - 6.00pm

Module 1: What is Julia?

10.03

4.00pm - 6.00pm

Module 2: File Format, Object Types, Plotting

17.03

4.00pm - 6.00pm

Module 3: Control Flow

24.03

4.00pm - 6.00pm

Module 4: Functions and Object-Oriented Programming

31.03


4.00pm - 6.00pm

Module 5: Math in Julia





07.04

4.00pm - 6.00pm

Module 6: DataFrames.jl

MAR/APR 

Introduction to R programming and biomedical data analysis

 Dr Reka Toth  
 Online or Edison - Webex or Pasteur-Curie  
 5 x 5h  
 7 or 20

+

14.03

10.00am - 4.00pm

Module 1

23.03

10.00am - 4.00pm

Module 2

28.03

10.00am - 4.00pm

Module 3

06.04


10.00am - 4.00pm

Module 4

11.04

10.00am - 4.00pm





Module 5


APR 

How to write a PhD thesis

22.04

9.30am - 11.00am





 Dr Eric Van Dyck  
 Edison - Pasteur-Curie  
 1.5h + 1h prep time  
 8


MAY 

Cytometry - Let's analyze together with FlowJo - Basics

02.05

3.00pm - 6.00pm





 Fanny Hedin, Cécile Masquelier  
 Edison - Pasteur-Curie  
 3h  
 8


MAY 

Confocal microscopy: Basics and Applications

05.05

1.00pm - 5.00pm





 Dr Céline Hoffmann  
 Online/Edison (hybrid) - Webex/Pasteur-Curie  
 4h  
 20


MAY 

Cytometry - How to compensate: Theory and Practice

10.05

2.00pm - 5.00pm





 Dr Antonio Cosma, Maria Konstantinou, Fanny Hedin  
 Edison - Pasteur-Curie  
 3h  
 16


MAY 

Introduction to mass-spectrometry-based proteomics

13.05

1.30pm - 4.30pm





 Prof Gunnar Dittmar  
 Edison - Pasteur-Curie  
 3h  
 12


MAY 

Cytometry - FlowJo Advanced: Plugins

18.05

9.00am - 12.00 noon





 Dr Antonio Cosma, Dominique Revets, Thomas Cerutti  
 Edison - Pasteur-Curie  
 3h  
 8

JUN 

Introduction to the determinants of health

17.06

9.30am - 12.00 noon






 Dr Maria Ruiz  
 Edison - Pasteur-Curie  
 2.5h  
 12

JULY 

How to prepare for the PhD oral defence

01.07

10.00am - 12.00 noon

 Dr Malou Fraiture  
 Edison - Pasteur-Curie  Internal  
 2h  
 12

SEPT/OCT 

SPEAK - Public speaking and presentation skills

 Dr Marc O'Sullivan  
 Edison - TTM/INC  
 5 x 1h  
 12

+

08.09

4.00pm - 5.00pm

Module 1

15.09

4.00pm - 5.00pm

Module 2

22.09

4.00pm - 5.00pm

Module 3

29.09


4.00pm - 5.00pm

Module 4

06.10

4.00pm - 5.00pm





Module 5


SEPT 

Sample size calculation of animal experiments





12.09

9.00am - 2.00pm

 Anna Schritz  
 Edison - Pasteur-Curie  
 4h  
 8

OCT 

Multomics Data Analysis

 Dr Petr Nazarov and team  
 Edison - Pasteur-Curie  
 4 x 4h  
 12

+

03.10

9.00am - 1.00pm

Module 1: Introduction to R

10.10

9.00am - 1.00pm

Module 2: Exploratory data analysis

17.10


9.00am - 1.00pm

Module 3: Differential expression analysis

24.10

9.00am - 1.00pm






Module 4: Predictive Models


OCT 

Get more out of your research: valorisation, intellectual property and agreements





21.10

9.00am - 3.00pm

 Dr Jérémie Langlet, Patrizia Maters, Tina Diakou and Onur Emül (IPIL)  
 Edison - Pasteur-Curie  Internal  
 5h  
 8

NOV/DEC 

Machine Learning

 Dr Vladimir Despotovic  
 Edison - Pasteur-Curie  
 6 x 3h  
 12

+

04.11

2.00pm - 5.00pm

Module 1: Structuring machine learning projects

11.11

2.00pm - 5.00pm

Module 2: Linear regression, polynomial regression, logistic regression

18.11

2.00pm - 5.00pm

Module 3: Kernel Methods

25.11

2.00pm - 5.00pm

Module 4: Decision Trees and Ensemble Learning

02.12

2.00pm - 5.00pm

Module 5: Probabilistic Models

09.12

2.00pm - 5.00pm

Module 6: Clustering


NOV 

How to write a scientific research proposal




07.11

10.00am - 3.30pm

 Dr Laurent Vallar  
 Edison - Pasteur-Curie  Internal  
 4.5h  
 10

NOV 


Preparing a successful clinical research project in Luxembourg

 Edison - Pasteur-Curie  
 4h + 2h  
 20

+


15.11


1.00pm - 5.00pm

Module 1: Efficient project design and set-up  
 Dr Christelle Bahlawane and TMHO members

24.11

9.00am - 11.00am





Module 2: Essential documents and submission to regulatory authorities  
 Dr Laetitia Garcia, Dr Lamia Skhiri


NOV 

Introduction to pre-clinical *in vivo* imaging

21-22-23.11






1.00pm - 5.00pm (theory)  
9.00 am - 12.00 noon (demo group A+B)

 Dr Olivier Keunen, Georgia Kanli  
 Edison - Pasteur-Curie  
 7h  
 8









TBA 

Biobanks and biomarkers at the forefront of Translational Personalised Medicine

TBA

 Dr Monica Marchese, Dr Olga Kofanova  
 TBA  Internal  
 12h  
 20

## Legend

-  Trainer
-  Location
-  Total duration
-  Max. participants
-  Methodology
-  Transferable skills
-  Scientific skills
-  Technology transfer

## Practical Information

Courses are for free. Registration is opened 4 weeks before course start and closed 1 week before. Confirmations for registration and course instructions (if applicable) are sent 1 week before course start.

LIH staff should register via MPLEO Training and external participants (from public research institutions or hospitals in Luxembourg) by sending an e-mail to [formation@lih.lu](mailto:formation@lih.lu).

A certificate of attendance or of successful completion can be delivered. Please request it on the signing sheet during the training.

The Training & Workshops programme is also available at <https://www.lih.lu/en/careers/training-and-workshops/>

## Course Locations

Edison Building (Pasteur-Curie room: 3rd floor, TTM/INC room: 1st floor)  
1AB, rue Thomas Edison, L-1445 Strassen / Online via Webex

## Contact

[formation@lih.lu](mailto:formation@lih.lu)