



The Intensive Connection



Research Learning Pathway – Level 2
“The Nuts and Bolts of Critical Care Research Design”
Course programme

Day 1 – March 28, 2023

Morning session

09:00 **Introduction and ice-breaker** *A. Conway Morris, N. Nielsen, M. Ostermann*

09:30 **Keynote talk: setting the scene, why bad design kills a study before it even starts**
M. Singer

Moderator: S. Einav

10:00 **Mentorship in Research (roundtable)** *L. Derde, I. Lakbar, N. Nielsen, C. Robba*
Moderators: A. Conway Morris, P. Povo

10:45 BREAK

11:00 **Formulating Research Questions** *HJ De Grooth*
Introduction followed by small group discussion

11:15 **Break-out room session**
Room 1: *HJ De Grooth*
Room 2: *S. Einav & J. Latour*
Room 3: *P. Povo & C. Robba*
Room 4: *A. Ercole & A. Mekontso-Dessap*

12:15 **Feedback of ideas**

12:30 **LUNCH BREAK**

Afternoon session

13:15 **Data Analysis Plan Writing** *S. Einav, HJ De Grooth*
Moderator: N. Nielsen

14:00 **Writing for success: Grants** *A. Conway Morris, M. Shankar-Hari*
Moderators: C. Robba, J. Latour

14:45 BREAK

15:00 **How to Impress an Editor and Not Annoy Reviewer #2: picking a target** *G. Citerio, N. Juffermans, P. Povo*
Moderator: C. Robba

15:45 **Research in LMIC settings** *L. Azevedo, A. Mekontso-Dessap, M Mer*
Moderator: S. Einav



The Intensive Connection

16:25 **Recap of Day 1 and “Food for Thought”: Overnight task to consider**

A. Conway Morris, N. Nielsen

17:00 **END DAY 1**





The Intensive Connection



Research Learning Pathway – Level 2
“The Nuts and Bolts of Critical Care Research Design”
Course programme

Day 2 – March 29, 2023

Morning session

- 09:00 **Recap of Day 1 & Introduction of Day 2** *A. Conway Morris, N. Nielsen*
- 09:15 **Food for Thought Challenge**
Facilitators: *A. Conway Morris, N. Nielsen*
- 09:40 **Systematic review and meta-analyses** *S. Einav, HJ De Grooth, I. Lakbar*
- 10:20 BREAK
- 10:35 **Fundamental & translational science**
K. Baillie, A. Conway-Morris, J. Laffey, M. Singer
- 11:15 **Clinical Trials (small, large and platform)** *L. Derde, S. Einav, N. Nielsen, P. Pickkers, M. Schultz*
- 12:15 END MORNING SESSION

LUNCH BREAK

Afternoon session

- 13:30 **“Pitch me your study”** *N. Nielsen*
- 14:30 **Data science, Machine learning & Big Data (sets)** *A. Ercole, HJ De Grooth, P. Povoia*
- 15:10 BREAK
- 15:25 **Qualitative Research** *J. Latour, V. Metaxa, M. Van Mol*
- 16:00 **Writing for Success: Papers**
Moderator: *L. Derde, J. Latour, A. Mekontso-Dessap, M. Schultz*
N. Nielsen
- 17:00 **Bringing it all together**
Facilitators: *All faculty*
A. Conway Morris, N. Nielsen
- 17:30 **Level 3 Introduction**
- 17:40 **END DAY 2**