Draft Agenda

Clinical Research: The Basics & Beyond
Workshop in clinical epidemiological research for ERNs

Leiden, the Netherlands ; September 30th and October 1st 2021

Speakers:

Course directors: Prof Olaf Dekkers & Prof Frits Rosendaal

Day 1

14.00-14.45 – **What's the question?**

On differences between etiologic, prognostic and diagnostic research

15.00-15.45 – **Confounding**

Thinking about confounding

DAG's

Emulating a target trial

16.00-16.45 – **Data and models**

Different models (linear, logarithmic)

Assumptions of statistical modelling

17.00-17.45 – **P-values and power**

Theory and interpretation of p-values

Is power relevant in observational studies?

18.30 – **DINNER**

Day 2

8.30-9.15 – **Propensity scores**

Adjusting for confounding

Potential and limitation of propensity scores

9.30-10.15 – **Immortal time bias**

Explanation of the bias

Discussion of practical examples

10.30-11.15 – **Time-dependent variables and processes**

Difference between time-dependent and independent variables

How to deal with time dependent variables?

11.30-12.15 – **Measurement error**

Discussing the concept of measurement error

Measurement error: not always random

12.30-13.30 – **Lunch**

13.30-14.45 – **Forum**

Participants discussing their own projects

14.45-15.00 – **Closing remarks**