

Summer Workshop: Clinical Research & Epidemiology

Residents and specialist Course | 26-30 June 2023 | Rotterdam, Netherlands

Description

This course is intended for residents and dermatologists who have an interest in pursuing research but have not yet undertaken a substantive block of research time. The course contains lectures about study design of both clinical trials and observational research, evidence-based dermatology, genetic/pharmaco-epidemiology and microbiome research. You will get started yourself with data analyses in SPSS, covering topics for beginners (such as data cleaning/editing, basic statistical inference) or more advanced topics (such as multivariable regression and survival analyses) depending on your prior knowledge and needs. The course contains interactive journal clubs and a workshop on study design. By the end of this course you should have the basic knowledge and skills to design and analyse your own research project.

Learning Objectives

1. Study design of RCTs and observational studies
2. Practicals of data-management and analysis using SPSS
3. Evidence-based Dermatology and meta-analyses
4. Critically reading scientific articles and using reporting guidelines during a Journal club
5. Using large (routinely collected) datasets in (pharmaco/genetic) epidemiology and microbiome research.

Faculty Members

Chairs: Tamar Nijsten; Loes Hollestein

Speakers: Carsten Flohr; André Uitterlinden; Emilie Sbidian; Marlies Wakkee; Phyllis Spuls; Kim Thomas; Luba Pardo Cortes.

Programme

Monday, 26 June 2023

Introduction Epidemiology

- 09:00 – 09:30 Introduction - Tamar Nijsten
09:30 – 10:30 Epidemiological study designs Epidemiological bias - Carsten Flohr
10:30 – 10:45 **Coffee Break**
10:45 – 12:00 cont'd STROBE statement - Carsten Flohr
12:00 – 13:00 **Lunch Break**
13:00 – 14:00 Introduction statistical analysis - Tamar Nijsten
14:00 – 15:00 Practical data analysis - Loes Hollestein and Marlies Wakkee
15:00 – 15:30 **Coffee Break**
15:30 - 18:00 Practical data Analysis
Beginners: syntax, prepare data, descriptives
Advanced: syntax, basic statistical inference, linear regression

Tuesday, 27 June 2023

Clinical Studies

- 09:00 – 09:45 Harmonizing outcome measures in clinical trials - Phyllis Spuls
09:45 – 10:30 How to run a RCT – Kim Thomas
10:30 – 10:45 **Coffee Break**



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- 10:45 – 12:00 CONSORT statement - Kim Thomas
12:00 – 13:00 **Lunch Break**
13:00 – 15:00 Practical Data Analysis - Loes Hollestein; Marlies Wakkee
Beginners: basic statistical inference; Linear regression
Advanced: multivariable linear regression
15:00 – 15:30 **Coffee Break**
15:30 – 17:00 Journal Club (STROBE/CONSORT) - Tamar Nijsten; Kim Thomas

Wednesday, 28 June 2023

Evidence Based Medicine

- 09:00 – 10:00 Meta-analyses – Emilie Sbidian
10:00 – 10:45 Evidence-based Dermatology - Phyllis Spuls
10:45 – 11:00 Coffee Break
11:00 – 12:00 Journal Club (PRISMA) - Emilie Sbidian and Phyllis Spuls

Thursday, 29 June 2023

Large datasets

- 09:00 – 09:45 Routinely collected health care data - Marlies Wakkee
09:45 – 10:30 Genetic Epidemiology - André Uitterlinden
10:30 – 10:45 **Coffee Break**
10:45 – 11:30 Microbiome – Luba Padro Cortes
11:30 – 12:15 Pharmacoepidemiology - Emilie Sbidian
12:15 – 13:00 **Lunch Break**
13:00 – 15:00 Practical data-analysis - Loes Hollestein; Marlies Wakkee
Beginners: logistic regression, Survival analyses (Kaplan Meier curves)
Advanced: Survival analyses (Kaplan Meier curves), Cox regression
15:00 – 15:30 **Coffee Break**
15:30 – 17:00 cont'd

19:30 **Networking Dinner**

Friday, 30 June 2023

Problem Solving

- 09:00 – 10:30 Workshop Study Design (Research questions from participants)
Tamar Nijsten; Loes Hollestein; Marlies Wakkee
10:30 – 10:45 **Coffee Break**
10:45 – 12:00 cont'd
12:00 – 13:00 Evaluation - Tamar Nijsten; Loes Hollestein

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