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

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