

# 10<sup>th</sup> EULAR Course on Epidemiology – Observational Studies

**Amsterdam, Netherlands**

**Friday, 24 March 2023 – Saturday, 25 March 2023**



# ORGANISATION & COMMITTEE

## Scientific Organisers

- Laure Gossec (France)
- Pedro Machado (UK)
- Sofia Ramiro (Netherlands)

## Faculty

- Anja Strangfeld (Germany)
- Laure Gossec (France)
- Loreto Carmona (Spain)
- Martin Englund (Sweden)
- Pedro Machado (UK)
- Sofia Ramiro (Netherlands)

## Organising Secretariat

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## EULAR Committee

EULAR Education Committee, Live Courses & Meetings Sub-Committee

## COURSE DESCRIPTION

This one-and-a-half-day course is aimed at young rheumatologists / HPR / researchers with some experience in epidemiology/outcomes research.

The main goal of the course is to increase the interest, knowledge, and skills of young researchers in epidemiology and outcome measures and stimulate critical thinking in the design and reading of research studies. Furthermore, the course will also allow young researchers to get together, which will facilitate future collaborations; as well as interact with the prestigious speakers.

The course will further focus on interactive learning and practical training, as reflected in the time dedicated for discussion and workshops.

### Learning objectives

- The main goal of the course is to increase the interest, knowledge and skills of young researchers in epidemiology and stimulate critical thinking in the design and reading of research studies.
- To get insight into important epidemiological concepts and methodologies, including statistical analysis, and observational studies.
- To allow young researchers with a confirmed interest in epidemiology to get together and network, which will facilitate future collaborations.

# GENERAL INFORMATION

## Course venue & hotel

NH Amsterdam Schiphol  
Kruisweg 495, Hoofddrop  
2132 NA Amsterdam

## Course dates

Friday, 24 March 2023 (Start at 13:00) – Saturday, 25 March 2023 (End at 15:00)

## Official language

English

## Maximum participants

40

## Course fee

**350 €** (VAT included), package includes:

### Friday, 24 March 2023

- Full access to the Course
- Coffee breaks
- Dinner
- 1-night accommodation at the NH Amsterdam Schiphol

### Saturday, 25 March 2023

- Full access to the Course
- Coffee break
- Lunch

*\*The course fee quoted is a package price; therefore, the usage of the accommodation is highly recommended. For participants who would prefer not to utilise the accommodation, a discount of 50 € will be given.*

## Certification

After the course, all participants who have successfully completed the course will receive a certificate of attendance on their EULAR School user account. 100% course attendance is required.

# REGISTRATION

## Application requirements / Target audience

This is an educational activity targeting young rheumatologists/HPR/researchers. This course has no specific prerequisites or application requirements, however it is highly recommended to have basic or intermediate knowledge and experience in epidemiology/outcomes research and statistics, as this is an intermediate/advanced course.

## Registration process

**Online:** <https://esor.eular.org/course/view.php?id=295>

Please login to your EULAR School of Rheumatology account to register. If you do not have a School account, you will need to create one before applying.

**Registration deadline:** 12 February 2023

Early registration is advisable. Number of participants is limited.

## Bursary

EULAR grants **5 bursaries** in the amount of **EUR 350 each**. Please apply with your motivation letter, CV and (if any) publication list within the registration system.

**Bursary application deadline:** 31 January 2023

**Notification:** Mid-February 2023

# Detailed Programme

Day 1 - Friday, 24 March 2023

Time	Type of session & Title	Speakers
12:00 – 13:00	REGISTRATION & WELCOME COFFEE	
13:00 – 13:30	Introduction – who are we, who are you?	L. Gossec P. Machado S. Ramiro
13:30 – 14:15	<b>Planning and conduct of observational cohort studies, including interactive exercises (45m)</b> <ul style="list-style-type: none"> <li>• Study designs</li> <li>• Choice of subjects and controls</li> <li>• Definition of exposure</li> <li>• Data collection and monitoring</li> <li>• Ethics</li> </ul>	A. Strangfeld
14:15 – 15:00	<b>Specific difficulties of non-randomised design: Bias, including interactive exercises (45m)</b>	L. Carmona
15:00 – 15:45	<b>Regression analyses:</b> Basic principles, including interactive exercises (45m)	P. Machado
15:45 – 16:15	COFFEE BREAK	
16:15 – 17:15	<b>Workshop – Critical appraisal of a paper (60m)</b> <ul style="list-style-type: none"> <li>• → In 3 Groups</li> </ul>	<u>Group 1:</u> L. Gossec
		<u>Group 2:</u> A. Strangfeld
		<u>Group 3:</u> L. Carmona
17:15 – 18:00	<b>Confounding, effect modification and interactions, including interactive exercises (45m)</b>	M. Englund
18:00 – 18:40	<b>Career choices - round-table discussion (40m)</b>	<u>Moderation:</u> L. Gossec All faculty
18:40 – 19:00	<b>Speed dating around career choices</b>	All faculty
19:00 -	DINNER	

## Day 2 - Saturday, 25 March 2023

Time	Type of session & Title	Speakers
08:30 – 08:45	<b>Introduction to second day</b>	L. Gossec P. Machado S. Ramiro
08:45 – 09:30	<b>Modelling longitudinal data</b> , Including interactive exercises (45min)	S. Ramiro
09:30 – 10:15	<b>Treatment effect in observational studies (propensity scoring)</b> , including interactive exercises (45min)	M. Englund
10:15 – 10:45	<b>COFFEE BREAK &amp; GROUP PHOTO</b>	
10:45 – 12:15	<b>Workshop - Designing a research project</b> In 3 groups (90 minutes)	L. Gossec P. Machado S. Ramiro Other faculty
12:15 – 13:15	<b>LUNCH</b>	
13:15 – 14:45	<b>Applying what you learned on SPSS – hands on experience (1h30m)</b> (Computer with programme running needed)	S. Ramiro P. Machado
	Running in parallel with: <b>Medical writing in epidemiology – some tips (1h30m)</b>	L. Gossec
14:45 – 15:00	<b>Chairs' summary and meeting close</b>	

Any changes to the scientific programme or to the list of speakers are possible until the date of course. Further updates will be published on the [EULAR School of Rheumatology homepage link to registration page tba](#)