

KI and KCL Short Course

Clinical Cancer Epidemiology: From Prevention to Treatment and Patient Care.

5 days – first 4 virtual and 5th in person

- Friday June 16th
- Thursday September 7th
- Wednesday October 11th
- Tuesday November 7th
- Friday December 8th (in person meeting)

Note: Time zone is UK.

Audience: Clinicians, PhD/MD students, post-doctoral scientists

Course organisers: Professor Martin Eklund (Karolinska Institutet, KI) and Professor Mieke Van Hemelrijck (King's College London, KCL)

Day 1: Cancer Prevention

9:00 – 9:30: Introduction to the course (Prof Martin Eklund, KI and Prof Mieke Van Hemelrijck, KCL)

9:30 – 10:30: Clinical Guest Lecture (Prof Sabine Rohrmann, University of Zurich): Large cohort and case-control studies to investigate risk factors for cancer.

10:30 – 10:45: Break

10:45 – 12:00: Introduction to Cancer Epidemiology (Prof Mieke Van Hemelrijck, KCL)

12:00 – 13:00: Break

13:00 – 14:15: Chemoprevention and lifestyle interventions (Prof Karen Brown, Leicester University)

14:15 – 14:30: Break

14:30 – 15:45: Health inequalities (Dr Ajay Aggarwal, KCL and Dr Elizabeth Davies, KCL)

15:45 – 16:00: Summary (Prof Martin Eklund, KI)

Day 2: Early detection and Screening

9:00 – 9:30: Introduction to the day and recap (Prof Mieke Van Hemelrijck, KCL)

9:30 – 10:30: Clinical Guest Lecture (Prof Peter Sasieni, KCL): Cervical cancer screening

10:30 – 10:45: Break

10:45 – 12:00: Introduction to screening (Dr Jiayao Lei, KCL)

12:00 – 13:00: Break

13:00 – 14:15: Molecular epidemiology – omics and risk stratification (Prof Per Hall, KI)

14:15 – 14:30: Break

14:30 – 15:45: Behavioural Sciences (Dr Jo Waller, KCL)

15:45 – 16:00: Summary (Prof Martin Eklund, KI)

Day 3: Treatment

9:00 – 9:30: Introduction to the day and recap (Prof Martin Eklund, KI)

9:30 – 10:30: Clinical Guest Lecture (Dr Bram De Laere, Ghent University): From surveillance, to surgery, radiotherapy, and systemic anti-cancer treatments – what have we learned in prostate cancer?

10:30 – 10:45: Break

10:45 – 12:00: The need for core outcome sets (Dr Steven MacLennan, University of Aberdeen)

12:00 – 13:00: Break

13:00 – 14:15: RCTs and/or/versus RWE (Prof Winette Van der Graaf, NKI and EORTC)

14:15 – 14:30: Break

14:30 – 15:45: Personalised medicine/AI (Prof Eklund, KI)

15:45 – 16:00: Summary (Prof Mieke Van Hemelrijck, KCL)

Day 4: Living with and beyond Cancer

9:00 – 9:30: Introduction to the day and recap (Prof Mieke Van Hemelrijck, KCL)

9:30 – 10:30: Clinical Guest Lecture (Prof Lonneke van de Poll-Franse, NKI): Cancer Survivorship: the short- and long-term physical and psychosocial consequences of cancer and its treatment.

10:30 – 10:45: Break

10:45 – 12:00: Mixed methods (Dr Louis Fox, KCL)

12:00 – 13:00: Break

13:00 – 14:15: Quality of Life research for cancer patients (Prof Bernhard Holzner, University of Innsbruck)

14:15 – 14:30: Break

14:30 – 15:45: The role of Health economics (Dr Linus Jonsson, KI)

15:45 – 16:00: Summary (Prof Martin Eklund, KI)

Day 5: Clinical Cancer Epidemiology across the patient's pathway

9:00 – 9:30: Introduction to the day and recap (Prof Martin Eklund, KI)

9:30 – 10:30: Clinical Guest Lecture (Prof Monique Roobol, Erasmus University): Linking epidemiology and shared treatment decision-making in the cancer pathway.

10:30 – 10:45: Break

10:45 – 11:45: The value of big data (Dr Mattias Rantalainen, KI)

11:45 – 12:45: Break

12:45 – 14:00: The importance of Patient and public involvement/engagement (Dr Rachel Giles, International Kidney Cancer Coalition and Dr Lydia Makaroff, World Bladder Cancer Patient Coalition)

14:00 – 14:15: Break

14:15 – 16:15: Poster presentations by students + Summary

Assessment

Students will be asked to prepare a 3 minute presentation in which they outline a cancer research idea whereby clinical epidemiological methods are at the heart of the methodology. They should prepare three slides, which will outline: research questions & rationale; methodology including patient impact. They will then have 2 minutes to answer a question about their methodology.