

## Detailed Program

### Risk Prediction, Communication and Perception (RiPCoP) in Health

June 13 - 15, 2023

[www.ripcop.org](http://www.ripcop.org)

**Tuesday, June 13 09:00 – 12:00 am**

**Short courses (parallel)**

**Nicholas Wald (University College London, UK) [Room 2](#)**

Principles of screening

or

**Ruth Pfeiffer, Mitchell Gail (National Cancer Institute, Bethesda, US) [Room 1](#)**

Absolute risk: estimation, validation and applications

**Tuesday, June 13 12:45 – 14:00 pm [Room 1](#)**

**Session 1: Cardiovascular disease risk prediction**

**Chair: Ewout Steyerberg**

**12:45 Jacqueline Murphy (University of Oxford, UK)**

Prediction of cardiovascular disease risk based on conventional and novel risk factors in a large cohort study of Chinese adults

**13:00 Michael Pencina (Duke University, US)**

Best practices for algorithmic/AI governance for health systems

**13:30 Katarzyna Jozwiak (Brandenburg Medical School, Neuruppin, DE)**

Risk prediction of the coronary heart disease in survivors of Hodgkin Lymphoma

**13:45 David van Klaveren (Erasmus Medical Center, Rotterdam, NL)**

Predictive modeling approaches to personalized medicine: a comparison of regression-based methods

**14:00 End of session**

**Tuesday, June 13 14:10 – 15:25 pm [Room 1](#)**

**Session 2: Breast cancer risk prediction**

**Chair: Nora Pashayan**

**14:10 Sander Roberti (Netherlands Cancer Institute, Amsterdam, NL & Brandenburg Medical School, Neuruppin, DE)**

Predicting breast cancer among female Hodgkin lymphoma patients treated with modern radiotherapy using radiation dose distributions from historic treatments

**14:25 Mitchell Gail (National Cancer Institute, Bethesda, US)**

Tools for contralateral prophylactic mastectomy decision making

**14:55 Antonis Antoniou (University of Cambridge, UK)**

BOADICEA: a comprehensive breast and ovarian cancer risk prediction model incorporating genetic and non-genetic risk factors

**15:25 End of session**

**Tuesday, June 13 15:35 – 16:50 pm Room 1**

**Session 3: Topics in risk communication**

**Chair: Ineke Bolt**

**15:35 Sam Finnikin (University Birmingham, UK)**

Applying risk scores to practice: The challenges and pitfalls

**16:05 Claudia Schneider (University of Cambridge, UK)**

Communicating empirical evidence: uncertainty, quality and trust

**16:35 Christin Ellermann (Harding Center for Risk Literacy, University of Potsdam, DE)**

Risk communication for disadvantaged groups

**16:50 End of session**

**Tuesday, June 13 17:00 – 18:00 pm Room 1**

**Reception**

**Wednesday, June 14 09:00 – 12:00 am Room 1**

**Short course**

**Ewout Steyerberg (Leiden University Medical Center, NL) & Ben van Calster (KU Leuven, BE)**

Clinical prediction models: development and validation

**Wednesday, June 14 12:45 – 14:15 pm Room 2**

**Session 4 (parallel): Risk model transfer and calibration**

**Chair: Ben van Calster**

**12:45 Donna Ankerst (Technical University Munich, DE)**

Globally-accessible individual-tailored risk prediction

**13:15 Ruth Pfeiffer (National Cancer Institute, Bethesda, US)**

Accommodating population differences in model validation

**13:45 Yuwei Wang (Netherlands Cancer Institute, Amsterdam, NL)**

External validation and clinical utility assessment of the PREDICT breast cancer prognostic model in young patients with node-negative breast cancer

**14:00 Sarah Booth (University of Leicester, UK)**

Methods to account for improvements in survival when developing prognostic models

**14:15 End of session**

**Wednesday, June 14 12:45 – 14:15 pm**      **Room 1**

**Session 5 (parallel): Risk communication in prevention**

**Chair: Claudia Schneider**

**12:45 Anika Hüsing (University Essen, DE)**

Validation and improvement of 20 years prediction of cardiovascular events with information from cardiac imaging

**13:00 Silke Schicktanz (University of Göttingen, DE)**

The ethical challenge of dementia prediction

**13:30 Nicholas Wald (University College London, UK)**

How risk reduction should be expressed in primary prevention

**14:00 Charlotte Dries (Harding Center for Risk Literacy, University of Potsdam, DE)**

Communication of epistemic uncertainty around evidence and trust

**14:15 End of session**

**Wednesday, June 14 14:25 – 15:55 pm**      **Room 2**

**Session 6 (parallel): Prediction uncertainty, particularly COVID-19**

**Chair: Donna Ankerst**

**14:25 Martin Wolkewitz (University of Freiburg, DE)**

Predicting clinical outcomes of COVID-19 patients with routine data

**14:55 Ewout Steyerberg (Leiden University Medical Center, NL)**

Uncertainty in predictions

**15:25 Derek Yves Hazard (University of Freiburg, DE)**

Performance measures for the external validation of a multi-state prediction model for the clinical progression of hospitalized COVID-19 patients

**15:40 Doranne Thomassen (Leiden University Medical Center, NL)**

Effective sample size: expressing individual uncertainty in predictions

15:55 End of session

**Wednesday, June 14 14:25 – 15:55 pm** Room 1  
**Session 7 (parallel): On utility considerations in risk modelling**  
**Chair: Mitchell Gail**

**14:25 Nora Pashayan (University College London, UK)**

Clinical utility of risk - stratification for cancer screening at the population level

**14:55 Katie Kerr (University of Washington, USA)**

Recalibrating risk models for maximum net benefit

**15:25 Mary Ann Binuya (Netherlands Cancer Institute, Amsterdam, NL)**

Factors influencing clinicians' utilization of risk prediction models: an interview study

**15:40 Elena Sophia Doll (University of Heidelberg, DE)**

Family decisions in genomic newborn screening: Subproject Medical Psychology in the NEW\_LIVES project

15:55 End of session

**Thursday, June 15 09:00 – 10:15 am** Room 1  
**Session 8: Neurodegenerative disease risk prediction**  
**Chair: Silke Schicktanz**

**09:00 Anja Schneider (German Center for Neurodegenerative Diseases, Bonn, DE)**

Prediction of Alzheimer's disease

**09:30 Ineke Bolt (Erasmus Medical Center, Rotterdam, NL)**

Ethics of prediction in neurodegenerative diseases

**10:00 Irmak Begum On (University of Munich, DE)**

Prognostic prediction in relapsing-remitting multiple sclerosis – the way forward?

10:15 End of session

**Thursday, June 15 10:25 – 11:20 am** Room 1  
**Session 9: Aspects of statistical modelling**  
**Chair: Martin Wolkewitz**

**10:25 Ben van Calster (KU Leuven, BE)**

Peak performance: does a simple statistician understand random forests for risk prediction?

**10:50 Cornelia Fütterer (Technical University of Munich, DE)**

Decreasing complexity of risk prediction models by introducing Discriminative Power Lasso

**11:05 Carolin Malsch (University of Greifswald, DE)**

How to statistically model biologic interactions

**11:20 End of session**

**Thursday, June 15 11:30 – 12:30 pm Room 1**

**Session 10: Meeting summary and future directions**

**Chair: Ruth Pfeiffer (National Cancer Institute, Bethesda, USA) & Michael Hauptmann (Brandenburg Medical School, Neuruppin, DE)**

**4 Rapporteurs on Highlights, Needs & Future directions (5 min each)**

- Nora Pashayan
- Claudia Schneider
- Mitchell Gail
- Nicholas Wald

**Plan for tutorial paper in Stat Med**

**Best paper award**