

## 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, please decide)**

**John Brandt Brodersen, University of Copenhagen, DK**

What are the potential benefits and harms of medical screening?

or

**Ewout Steyerberg, Leiden University Medical Center, NL and Ben van Calster, KU Leuven, BE**

Clinical prediction models: development and validation

**Tuesday, June 13 12:45 – 14:00 pm**  
**Session 1**

#### *Risk communication in prevention*

**Anika Hüsing (University Essen, DE)**

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

**John Brandt Brodersen (University of Copenhagen, DK):**

Communicating the benefits and harms of medical screening (including overdiagnosis)

**Nicholas Wald (University College London, UK)**

How risk reduction should be expressed in primary prevention

**Tuesday, June 13 14:10 – 15:25 pm**  
**Session 2**

#### *Breast cancer risk prediction*

**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

**Mitchell Gail (National Cancer Institute, Bethesda, US)**

Tools for contralateral prophylactic mastectomy decision making

**Antonis Antoniou (University of Cambridge, UK)**

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

**Tuesday, June 13 15:35 – 16:50 pm**

**Session 3**

*Topics in risk communication*

**Sam Finnikin (University Birmingham, UK)**

Applying risk scores to practice: The challenges and pitfalls

**Claudia Schneider (University of Cambridge, UK)**

Communicating empirical evidence: uncertainty, quality and trust

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

Risk communication for disadvantaged groups

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

**Short courses (Parallel, please decide)**

**Nicholas Wald, University College London**

Principles of screening

or

**Ruth Pfeiffer, Mitchell Gail, National Cancer Institute, Bethesda, US**

Absolute risk: estimation, validation and applications

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

**Session 4 (Parallel, please decide)**

*Risk model transfer and calibration*

**Donna Ankerst (Technical University Munich, DE)**

Globally-accessible individual-tailored risk prediction

**Ruth Pfeiffer (National Cancer Institute, Bethesda, US)**

Accommodating population differences in model validation

**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

**Sarah Booth (University of Leicester, UK)**

Methods to account for improvements in survival when developing prognostic models

**Wednesday, June 14 12:45 – 14:15 pm**  
**Session 5 (Parallel, please decide)**

***Cardiovascular disease risk prediction***

**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

**Michael Pencina (Duke University, US)**

Best practices for algorithmic/AI governance for health systems

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

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

**Wednesday, June 14 14:25 – 15:55 pm**  
**Session 6 (Parallel, please decide)**

***Prediction uncertainty, particularly COVID-19***

**Martin Wolkewitz (University of Freiburg, DE)**

Predicting clinical outcomes of COVID-19 patients with routine data

**Ewout Steyerberg (Leiden University Medical Center, NL)**

Uncertainty in predictions

**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

**Doranne Thomassen (Leiden University Medical Center, NL)**

Effective sample size: expressing individual uncertainty in predictions

**Wednesday, June 14 14:25 – 15:55 pm**  
**Session 7 (Parallel, please decide)**

***On utility considerations in risk modelling***

**Nora Pashayan (University College London, UK)**

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

**Katie Kerr (University of Washington, USA)**

Recalibrating risk models for maximum net benefit

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

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

**Elena Sophia Doll (University of Heidelberg, DE)**

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

**Wednesday, June 14 16:05 – 17:20 pm**

**Session 8**

*Implications of communicating risks*

**Christine Holmberg (Brandenburg Medical School, Brandenburg/Havel, DE)**

The conundrum of risk communication: how risk prediction is used in patient decision-making

**Silke Schicktanz (University of Göttingen, DE)**

The ethical challenge of dementia prediction

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

Communication of epistemic uncertainty around evidence and trust

**Thursday, June 15 09:00 – 10:15 am**

**Session 9**

*Neurodegenerative disease risk prediction*

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

Prediction of Alzheimer's disease

**Ineke Bolt (Erasmus Medical Center, Rotterdam, NL)**

Ethics of prediction in neurodegenerative diseases

**Irmak Begum On (University of Munich, DE)**

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

**Thursday, June 15 10:25 – 11:20 am**

**Session 10**

*Aspects of statistical modelling*

**Ben van Calster (KU Leuven, BE)**

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

**Cornelia Fütterer (Technical University of Munich, DE)**

Decreasing complexity of risk prediction models by introducing Discriminative Power Lasso

**Carolin Malsch (University of Greifswald, DE)**

How to statistically model biologic interactions

**Thursday, June 15 11:30 – 12:30 pm**  
**Session 11**

*Closing plenary session*