

TITLE	Development, validation, and reporting of a prediction model
DATE & TIME	Tuesday, November 15, 2022, from 14:00 Prague Congress Centre, Prague, Czech Republic
DESCRIPTION OF THE COURSE	Prediction models are developed to help health care providers in estimating the probability or risk that a specific disease or condition is present (diagnostic models) or that a specific event will occur in the future (prognostic models), to inform their decision-making. A full and clear reporting of information on all aspects of a prediction model is mandatory to assess the risk of bias and the potential usefulness of the model. The aim of this statistical course is to provide the main guidelines to correctly develop, validate and transparently report a prediction model . This course will be illustrated by multiple examples on biomarkers-based predictive models and molecular classifiers, which are widely developed fields of research in transplantation.
LEARNING OBJECTIVES	<ul style="list-style-type: none">• How to design a prediction model study• How to develop a prediction model• How to validate a prediction model• How to transparently report a prediction model
TARGET AUDIENCE	<ul style="list-style-type: none">• Physicians from all fields with an involvement in transplantation• Researchers and transplant scientists from all fields with an involvement in transplantation (biostatisticians, data scientists, mathematicians, epidemiologists, methodologists)• Transplant surgeons• General surgeons and clinicians with an interest in transplantation• Transplant pharmacists• Patients and representatives of patients societies* (<i>patients are welcome to attend the activities of the workshop</i>)
SCIENTIFIC ORGANIZERS:	Oriol Bestard University Hospital Vall d'Hebron Barcelona Spain Alexandre Loupy Paris Translational Research Center for Organ Transplantation Paris France
SPEAKERS:	Silvia Pineda Complutense University of Madrid Madrid Spain Marc Raynaud Paris Translational Research Center for Organ Transplantation Paris France Dina Zielinski Paris Translational Research Center for Organ Transplantation Paris France



SCIENTIFIC PRELIMINARY PROGRAMME

14:00 – 14:05	Welcome and introduction	Oriol Bestard Spain Alexandre Loupy France
14:05 – 14:35	Leveraging Big data using machine learning techniques in solid organ transplantation	Silvia Pineda Spain
14:35 – 15:05	Development and validation of prognostic models	Marc Raynaud France
15:05 – 15:35	Development and validation of diagnostic models	Dina Zielinski France
15:35 – 16:05	Q&A and open discussion	
16:05 – 16:10	Wrap up and conclusions	Oriol Bestard Spain Alexandre Loupy France

