

DBMR Research Conference

Date **February 1 2021, 5 pm – 6 pm**

Title **Animal Model Generation Facility at The Netherlands Cancer Institute**

Speaker **Dr. Paul Krimpenfort, Division of Molecular Pathology,
The Netherlands Cancer Institute, Amsterdam, NL**

Bio:

1996-2020: Staff Scientist, Netherlands Cancer Institute

2020: Division Molecular Pathology (Prof Dr J.Jonkers)

1996-2019: Division Molecular Genetics (Prof Dr A.Berns)

1989-1991: Head of Embryology Department, Genpharm Europe

1988: PhD University of Amsterdam (Promotor Prof Dr P.Borst)

Abstract: In the last decades genetically modified mice have become increasingly important in fundamental and translational research. They have contributed to major breakthroughs in our understanding of the molecular basis of cancer and other diseases. Continuous technology development has resulted in a broad spectrum of different types of genetic modifications. These range from conventional transgenes and knockouts to tissue-specific and inducible overexpression or inactivation combined with '*in vivo*' reporting systems. Examples will be given in this presentation. The Animal Modeling Facility at the Netherlands Cancer Institute has a leading position in generating genetically engineered mouse (GEM) models and supports academic research groups in developing project-accustomed models. This support starts with thorough discussions with the researchers what modification are required for answering their scientific questions. This will define what strategy will be taken to generate the proper genetically modified mouse strain. Subsequently, the facility will perform all the necessary molecular, embryological and animal care procedures leading to the desired GEM strain.

Dr. Paul Krimpenfort has been invited by Prof. Sven Rottenberg

The DBMR Research Conference will take place as a webinar via Zoom.

For those wishing to attend, please use this link:

<https://unibe-ch.zoom.us/j/97816881619>

Meeting-ID: 978 1688 1619

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March 1, 2021

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