



IOP Genomics

Overview – Current Projects

Functional genomics in *Xenopus*: a new perspective for medical research

Dr O.H.J. Destrée (Netherlands Institute for Developmental Biology, Hubrecht Laboratory)

Search for the genetics of longevity and disease at old age

Prof. Dr R.G.J. Westendorp (Leiden University Medical Center)

An integrated genomics approach towards the interactions between nutrition and intestinal health

Prof. Dr W.H.M. Saris (NUTRIM, University of Maastricht)

Functional genome analysis of the laboratory rat

Dr E. Cuppen (Netherlands Institute for Developmental Biology, Hubrecht Laboratory)

Comparative and predictive transcriptome analysis of Gram-positive bacteria for improvement of food quality, functionality and safety

Prof. Dr O.P. Kuipers (University of Groningen)

Unravelling muscular and nervous diseases: functional genomics from DNA to protein

Dr S.M. van der Maarel (Leiden University Medical Center)

Characterisation of the carbohydrate-modifying network of *Aspergillus* by means of functional genomics

Prof. Dr J.A. van den Berg (Wageningen University and Research Centre)

Development and application of genomic array footprinting in *Streptococcus pneumoniae*, a high-throughput technology for genome-wide identification and analysis of essential genes in bacteria

Dr P.W.M. Hermans (Erasmus Medical Center)

Vertical Genomics: from gene expression to function, ... and back

Dr B.M. Bakker (VU Amsterdam)

Healthy aging: genomics and in vivo imaging of oxidative stress in age related diseases

Prof. Dr J.H.J. Hoeijmakers (Erasmus Medical Center)

Electron tomography, an indispensable step between Genomics and Cellular dynamics

Prof. Dr A.J. Verkleij (Utrecht University)

Helping health: boosting the cellular defence system

Prof. Dr I. Braakman (Utrecht University)