



Horizon Breakthrough Projects

Granted Projects- Fifth Call

The role of methylation in widespread monoallelic expression

Dr Y.S. (Yurii) Aulchenko (m) - 28 June 1975, Erasmus Medical Centre

Versatile technology for targeted manipulation of microRNA activity in vivo

Dr E. (Eugene) Berezikov (m) - 07 July 1975, Hubrecht Institute

Domain-based mapping of human protein interactions

Dr M. (Mike) Boxem (m) - 23 March 1974, Utrecht University

Genomic sequence footprinting: flexible and genome-wide identification of conditionally essential microbial genes by high-throughput DNA sequencing

Dr P.J. (Peter) Burghout (m) - 07 September 1976, University Medical Centrum St. Radboud

Identification of disease related antibodies by mass spectrometry based sequencing of the variable regions of immunoglobulins

Dr L.J.M. (Lennard) Dekker (m) - 28 March 1979, Erasmus Medical Centre

Hormone signaling pathways investigated by quantitative proteomic methods

Dr J.A.A. (Jeroen) Demmers (m) - 07 September 1975, Erasmus Medical Centre

Reactivation of the fetal gamma-globin gene in adult erythropoiesis:
a shRNA "bookshelf" screen

Dr T.B. (Thamar) van Dijk (m) - 11 September 1970, Erasmus Medical Centre

Target discovery for counteracting EGFR down regulation in breast cancer by high throughput microscopy-based RNA interference screening

Dr M. (Marjo) de Graauw (f) - 18 December 1978, Leiden / Amsterdam Centre for Drug Research

Knowing when to party, signaling nutrient status to the translational apparatus

Dr S.J. (Johannes) Hanson (m) - 31 December 1969, Utrecht University

Genome-wide discovery of epigenetic marks vulnerable to prenatal environment

Dr B.T. (Bas) Heijmans (m) - 12 June 1972, Leiden University Medical Centre

Nutrient-mediated changes in microRNA expression; exploring a novel mechanism explaining effects of nutrition

Dr G.J.E.J. (Guido) Hooiveld (m) - 04 November 1971, Wageningen University and Research Centre



A genetical genomics approach in dissecting heterosis

Dr J.J.B. (Joost) Keurentjes (m) - 25 December 1968, Wageningen University and Research Centre

3D analysis of CTCF, a master organizer of genomes

Dr ir. T.A. (Tobias) Knoch (m) - 19 May 1971, Erasmus Medical Centre

Development of a tissue-specific RNAi system in the nematode *C. elegans*

Dr H.C. (Rik) Korswagen (m) - 14 May 1967, Hubrecht Institute

Epigenetic programming of subtelomeric haplotypes in health and disease: 4qter as paradigm

Dr R.J.L.F (Richard) Lemmers (m) - 05 October 1966, Leiden University Medical Centre

Protein model libraries covering the essential plasticity and flexibility of the active site

Dr B.C (Chris) Oostenbrink (m) - 10 April 1977, VU University Amsterdam

Automated integrated analysis of genotype and allele-specific copy number abnormalities in non-homogeneous solid malignant tumors

Dr J. (Jan) Oosting (m) - 27 July 1963, Leiden University Medical Centre

Immunoproteomics: antigen mapping through MHC epitope exchange reactions

Dr H. (Huib) Ovaa (m) - 18 December 1973, Netherlands Cancer Institute

MicroRNAs regulating the stress response: implications for lifespan and disease

Dr J. (Joris) Pothof (m) - 14 April 1978, Erasmus Medical Centre

Compositional and functional diversity of the proteasome

Dr R. (Reinout) Raijmakers (m) - 30 January 1976, Utrecht University

Epigenetic regulation of lymph node differentiation

Dr J.G.I. (Anna) van Rietschoten (f) - 25 March 1975, VU Medical Centre

Genome-wide analyses of virus-host-vector interactions

Dr R.P. (Ronald) van Rij (m) - 17 September 1972, University Medical Centrum St. Radboud

A kinomics approach for unraveling developmental signaling mechanisms

Dr C.A. (Arnold) Spek (m) - 14 April 1967, Academic Medical Centre

Heavy metal acquisition in Gram-negative bacteria; a genomic and proteomic approach

Dr M. (Michiel) Stork (m) - 23 November 1976, Utrecht University



Proliferation versus differentiation in development and disease

Dr S.I. (Siu Ing) The (f) - 12 November 1965, Utrecht University

Characterizing oncogenes and tumor suppressors by low noise expression array datasets

Dr A.G. (Anthony) Uren (m) - 24 July 1973, Netherlands Cancer Institute

An essential role for SUMO in maintaining genome stability:

A proteome-wide analysis of SUMOylation in response to DNA damage

Dr A.C.O. (Alfred) Vertegaal (m) - 16 November 1971, Leiden University Medical Centre

Development of a multiplex proteomic platform to investigate viral hijacking of human
G protein-coupled receptors

Dr H.F. (Henry) Vischer (m) - 20 January 1973, VU University Amsterdam

Development of a high-throughput method for N-glycome and O-glycome analysis

Dr M. (Manfred) Wuhrer (m) - 28 March 1971, Leiden University Medical Centre