



## Fellowship Programme

### Granted Fellowships

Construction of a highdensity genetic linkage map of *Mycosphearella graminicola* for genomics of pathogenesis, using the novel highthroughput technology DArT

Ir.ing. A.H.J. Wittenberg (Wageningen University)

Visited location: Centre of the Application of Molecular Biology to International Agriculture (CAMBIA), Canberra, Australia

Duration: 12 months

Analysis of expression profiles of DNA repair genes caused by carcinogenic agents

Drs. D.M. van Leeuwen (Maastricht University)

Visited location: Dept. of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, USA

Duration: 3 months

A microgenomics approach to identify genes involved in (a)sexual plant reproduction

Dr. C.A. Vijverberg (Netherlands Institute for Ecology, NIOO-KNAW)

Visited location: Dept. of Plant Biology, University of Zürich, Zürich, Switzerland

Duration: 12 months

Genome wide investigation and comparison of secreted protein genes in *Phytophthora* genomes

Dr R. Jiang (Wageningen University)

Visited location: Virginia Bioinformatics Institute, Blacksburg, USA, and The Broad Institute, MIT and Harvard, Cambridge, USA

Duration: 12 months

Characterization of breakpoint sequences and genomic architecture of microdeletions and duplications in patients with mental retardation and/or malformation syndromes

Drs. L.E.L.M. Vissers (Radboud University Nijmegen Medical Centre)

Visited location: Dept. of Molecular and Human Genetics, Baylor College of Medicine, Houston, USA

Duration: 3 months

Microarray technology and functional genomics applied to syntrophic microbial consortia

Dr C.M. (Caroline) Plugge (Wageningen University)

Visited location: Dept. of Microbiology and Molecular Genetics, UCLA, Los Angeles and Biological Sciences Dept., Pacific Northwest National Laboratory, Richland, USA

Duration: 1.5 months

Linkage analysis of visceral obesity, fatty liver and intima media thickness in familial combined hyperlipidemia

Drs. M.C.G.J. Brouwers (Maastricht University)

Visited location: Dept. of Human Genetics, UCLA School of Medicine, Los Angeles, USA

Duration: 2 months

Comparative analyses of the evolution of glutamine tracks in 10 proteins responsible for neurodegenerative diseases

Drs. C. Poux (Radboud University Nijmegen)

Visited location: Institut Municipal d'Investigació Mèdica, Barcelona, Spain

Duration: 4 months

Public health applications of genomics: investigating the feasibility of future genetic profiling for the prediction and prevention of common complex diseases

Dr A.C.J.W. Janssens (Erasmus Medical Centre)

Visited location: Centers for Disease Control and Prevention, Atlanta, USA

Duration: 5 months

Identifying regulatory networks for primary carbohydrate metabolism using largescale QTL analyses of gene expression, metabolomics and enzyme activities in *Arabidopsis thaliana*

Ing. J.J.B. Keurentjes (Wageningen University)

Visited location: MaxPlanckInstitut für Molekulare Pflanzenphysiologie, Golm, Germany

Duration: 3 months

Extension of the Microarray Data Explorer (MADEx), a JAVA-based application for comprehensive analysis of large microarray data sets

R.G.W. Verhaak (Erasmus Medical Centre)

Visited location: Dept. of Biostatistics, Dana-Farber Cancer Institute, Boston, USA

Duration: 3 months

Largescale characterization of static and dynamic interactions of the *E.coli* membrane protein assembly machinery

Drs. D.W. van Bloois (Free University)

Visited location: Dept. of Biochemistry and Biophysics, Stockholm University, Stockholm, Sweden

Duration: 1 month

Functional grouping of RNAi-defective genes

Drs. F.A. Steiner (Hubrecht Laboratory, NIOB)

Visited location: Cold Spring Harbor Laboratory, Cold Spring Harbor, USA

Duration: 2.5 months

Phosphoproteomics to study the hypersensitive response related resistance of plants to pathogens

Ir. I.J.E. Stulemeijer (Wageningen University)

Visited location: Dept. of Biochemistry and Molecular Biology, University of South Denmark, Odense, Denmark

Duration: 6 months

Systematic analysis of genomewide synthetic interaction screens in the context of various types of genomescale information resources

P.P.C.W. Kemmeren (University Medical Centre Utrecht)

Visited location: Dept. of Cellular and Molecular Pharmacology, University of California at San Francisco, San Francisco, USA

Duration: 3 months

Application of 2DLCMS/MS for analysis of hydrophobic membrane proteins and lowabundant secreted proteins with relevance for obesity research

Dr J.W. Renes (Maastricht University)

Visited location: Dept. of Biochemistry and Molecular Biology, University of South Denmark, Odense, Denmark

Duration: 6 months

Mutation analysis of the glioblastoma multiforme kinome to identify new therapeutic targets

F.E. Bleeker (Academic Medical Centre)

Visited location: Laboratory for Molecular Genetics, University of Torino Medical School, Candiolo, Italy

Duration: 8 months

Mapping common transcriptional targets of MK3 and PcG

H.E.C. Niessen (Maastricht University)

Visited location: Biotech Research and Innovation Centre, Copenhagen, Denmark

Duration: 1 month

The role of adiponectin in inflammatory bowel disease (IBD) related colon cancer development in mice using gene expression profile analysis

J.W.P.M. van Baal (Academic Medical Centre)

Visited location: Dept. of Human Nutrition, University of Illinois, Chicago, USA

Duration: 12 months

Germ-line transformation of the "Standard" Soil Arthropod Folsomia candida (Collembola)

Dr. Ir. M.J.T.N. Timmermans (Institute of Ecological Science, VU Amsterdam)

Visited location: United States Department Of Agriculture, ARS, CMAVE, Gainesville, Florida, USA

Duration: 3 months

Analysis of first whole genome-wide association analysis in celiac disease using traditional and novel statistical methods utilising systems biology

Drs. L.H. Franke (Complex Genetics Section, University Medical Centre Utrecht)

Visited location: The Wellcome Trust for Human Genetics, University of Oxford, UK

Duration: 3 months

Can parasitoids increase their fitness by altering expression of the foraging gene in their hosts?

Mw. Dr. F.J.L. Kraaijeveld-Smit (IBL, Animal Ecology, v.d. Klaauw Laboratory, Leiden)

Visited location: Department of Biology, University of Toronto at Mississauga Ontario, Canada

Duration: 2,5 months

Genomics association studies of complex traits, a cross-fertilization of methodology in human, animal and plant genetics using population structures

Dr. Ir. M.C.A.M. Bink (Biometris WUR, Wageningen)

Visited location: Department of Statistics, University of Washington, Seattle, USA

Duration: 4,5 months

The effect of farnesyltransferase inhibitors on mechanotransduction signaling in progeria

Drs. V.L.R.M. Verstraeten (Maastricht Academic Medical Centre)

Visited location: Bioengineering Research group, Harvard Medical School, Cambridge, USA

Duration: 9 months

High-throughput analysis of Coxiella burnetti effector proteins in a yeast expression system

Dr. S.R. Konstantinov (Wageningen University)

Visited location: Duke University Medical Centre, Durham, USA

Duration: 12 months

Genome-wide macrophage transcription network model interference using Dynamic Bayesian Networks in a scale-space

Drs. J. de Ridder (Technical University Delft)

Visited location: Institute for Systems Biology, Seattle, USA

Duration: 3 months

Genetics of unexplained thrombosis. Integrating subclinical phenotype with genome wide investigation and powerful genetic statistics.

Drs. M.K. ten Kate (University Medical Centre Groningen)

Visited location: Rockefeller University New York, USA

Duration: 12 months

Identification of genetic risk factors for aggressive behavior in Golden Retriever dogs

Dr. L. van den Berg (University Medical Centre Leiden)

Visited location: Broad Institute of Harvard and MIT, Cambridge, USA

Duration: 4 months

Identification of genes controlling cardiac conduction

Drs. T. Koopmann (Academic Medical Centre, Amsterdam)

Visited location: Vanderbilt University School of Medicine, Nashville, USA

Duration : 6 months

Training to export toxigenomics data to Tox-MI AMExpress, combined with analyses and mining of toxigenomics data sets on risk assessment of chemical carcinogens

Dr. J.H.M. van Delft (Maastricht University)

Visited location: European Bioinformatics Institute Hinxton, Cambridge UK

Duration: 3 months

Nutrigenomics pathways - from literature to reactome

Drs.A.S. Waagmeester (Maastricht University)

Visited location: European Bioinformatics Institute Hinxton, Cambridge UK

Duration: 3 months

Adding gene ontology and disease interpretations from the scientific literature to MicroArray Experiments

Ir. R.B. Trieschnigg (Twente University)

Visited location: European Bioinformatics Institute Hinxton, Cambridge UK

Duration: 6 months

A pattern growth approach to mine patterns in unaligned biological sequences

Drs. K. Ye (Leiden University)

Visited location: European Bioinformatics Institute Hinxton, Cambridge UK

Duration: 12 months