

31st MGC-SYMPOSIUM

Thursday, 7 September, 2023 - KINO, Rotterdam

Program

- 8:45 **Coffee and Registration**
- 9.10 **Opening: Joost Gribnau**
Chairman: Joost Gribnau
- 9.10 **Aditya Mhaskar** (Developmental Biology, Erasmus MC)
DMC1 mediated homologous recombination repair in mouse ES cells
- 9.30 **Diantha Terlouw** (Clinical Genetics / Pathology, LUMC)
APC mosaicism: prevalence, consequences and underlying causes
- 9:50 **Birol Cabukusta** (Cell and Chemical Biology, LUMC)
Lipid Exchanges Between Organelles at Membrane Contact Sites
- 10.10 **Claudine Ruijmbek** (Clinical Genetics, Erasmus MC)
Bi-allelic variants in FHL1 cause pediatric cardiomyopathy by disrupting cardiomyocyte cell adhesion and myofibril organization
- 10:30 **Coffee/tea**
Chairman: Roland Kanaar
- 11.00 **Marjolein van Sluis** (Molecular Genetics, Erasmus MC)
Transcription-coupled DNA-Protein Crosslink repair by CSB and CRL4CSA-mediated degradation
- 11:20 **Emiel van Genderen** (Cellbiology, Erasmus MC)
Growth factors independently control pluripotent state transitions and morphogenesis
- 11.40 **Jorik Bot** (Anatomy en Embryology, LUMC)
CRISPR-Cas13, a specific cell selection tool
- 12.00 **Joyce Wolf van der Meer** (Biochemistry, Erasmus MC)
The involvement of deubiquitinase USP7 in neurodevelopment and disease
- 12.20 **Yixin Luo** (Dermatology, LUMC)
Genetically engineered mouse models of cutaneous lymphomas: from pathogenesis to therapeutic intervention
- 12.40 **Lunch**
Chairman: Ype Elgersma, Bob van de Water
- 13.50 **Elena Daoutsali** (Human Genetics, LUMC)
Brain organoids as models of neurodegenerative and neurodevelopmental disorders
- 14.10 **Maria Alves** (Pediatric Surgery and Clinical Genetics, Erasmus MC)
Human enteric glia diversity in health and disease: new avenues for the treatment of Hirschsprung disease.
- 14.30 **Lukas Wijaya** (LACDR, UL)
Gene networks-based mechanistic assessment of drug-induced organ toxicity: a focus on liver and kidney
- 14.50 **Pooja Mandaviya** (Epidemiology, Erasmus MC)
Metabolome-wide Association Study of Depression and Anxiety: A meta-analysis between the Tulsa-1000 and Rotterdam Studies
- 15.10 **Arwin Ralf** (Genetic Identification, Erasmus MC)
Warming up the cold cases: familial searching in forensic genetics
- 15.30 **Coffee/tea**
Chairman: Niels Galjart
- 16.00 **MGC Symposium Lecture**
Yves Barral (Institute of Biochemistry, ETH Zürich)
Protecting the eukaryotic cell against exogenous DNA and how this shapes the genome
- 17.00 **Drinks**
- 17.45 **Dinner buffet**

30th MGC-SYMPIOSIUM

Thursday, 19 May, 2022

Fletcher hotel, Leiden



Program

- 8.45 Coffee and Registration
- 9.15 Opening: Silvere van der Maarel
Chairman: Sjaak Neefjes
- 9.20 **Anna Alemany** (Anatomy and Embryology, LUMC) "Tracing lineages and signals using CRISPR/Cas9"
- 9.40 **Sanne Venneker** (Pathology, LUMC) "Targeting vulnerabilities caused by the IDH mutation in chondrosarcoma: The model matters"
- 10.00 **Jeffrey van Haren** (Cell Biology, Erasmus MC) "Dissecting microtubule behaviour by an optogenetic approach"
- 10.20 **Baoxu Pang** (Cell and Chemical Biology, LUMC) "Systematic identification of silencer elements in the human genome"
- 10.40 **Niels Galjart** "How to organize a qualification system for online courses"
- 10.50 Coffee/tea
Chairman: Roland Kanaar
- 11.20 **Vivek Tripathi** (Molecular Genetics, Erasmus MC) "Modulation of replication stress response by E3 SUMO ligase NSMCE2 drives survival in BRCA2 deficient tumors"
- 11.40 **Rick Boonen** (Human Genetics, LUMC) "High-throughput functional interpretation of PALB2 missense variants and their association with breast cancer risk"
- 12.00 **Vera van der Noord** (LACDR-Drug Discovery and Safety, UL) "Tyrosine kinase inhibitors sensitize triple-negative breast cancer to CDK12/13 inhibition by blocking ABCG2 drug efflux"
- 12.20 **Alba Muniesa-Vargas** (Molecular Genetics, Erasmus MC) "Persistent TFIIH binding to DNA damage impairs in vivo neuron functionality"
- 12.40 **Lunch**
Chairman: Silvere van der Maarel and Niels Galjart
- 13.50 **Dana Vergoossen** (Human Genetics, LUMC) "Functional monovalency amplifies the pathogenicity of anti-MuSK IgG4 in myasthenia gravis"
- 14.10 **Lieke Koornneef** (Developmental Biology, Erasmus MC) "Multi-color super-resolution (dSTORM) microscopy application to unravel spatial organization of recombinases at sites of DNA repair in mouse meiosis"
- 14.30 **Elena Perenthaler** (Clinical Genetics, Erasmus MC) "Dissecting the role of YY1 in determining enhancer activity and gene expression"
- 14.50 **Niels van den Berg** (Molecular Epidemiology, LUMC) "Longevity genetics: from quantitative trait definition to gene discovery"
- 15.10 **Raquel Crespo Galvan** (Biochemistry, Erasmus MC) "Pharmacological de-repression of HIV-1 transcription as a strategy for HIV-1 cure"
- 15.30 Coffee/tea
Chairman: Silvere van der Maarel
- 16.00 **MGC Symposium Lecture**
Maria Yazdanbakhsh (Parasitology, LUMC) "The immunological footprints generated by different environmental factors"
- 17.00 Drinks and snacks

29th MGC-SYMPOSIUM

Thursday, 12 September, 2019

KINO Rotterdam

Program

8.45 Coffee and Registration

9.15 Opening: Hans Tanke

Chairman: Niels Galjart and Hans Tanke

9.20 **Chirantani Mukherjee** (Molecular Genetics, Erasmus MC) "RIF1 promotes replication fork protection and prevents genome instability"

9.40 **Yana van der Weegen** (Human Genetics, LUMC) "The sequential and cooperative assembly of CSB, CSA, and UVSSA leads to the recruitment of the TFIIH complex to DNA damage-stalled RNA polymerase II"

10.00 **Valentina Casa** (Cell Biology, Erasmus MC) "Redundant and nonredundant roles of the cohesin-ring STAG subunits in chromatin looping and transcription control"

10.20 **Jiang Chang** (Molecular Genetics, Erasmus MC) "Frequent transcription stalling in metazoan aging"

10.40 **Marije Niemeijer** (LACDR, UL) "High throughput transcriptomics of primary human hepatocyte inter-individual variance in adaptive stress response activation"

11.00 Coffee/tea

Chairman: Joost Gribnau and Bob van de Water

11.30 **Best lecture of the MGC PhD Workshop 2019**

Rodrigo Canibano Fraile (Clinical Genetics/Pediatrics, Erasmus MC) "Characterization of regenerative adult skeletal muscle cells expanded ex vivo"

11.50 **Ayestha Sijm** (Biochemistry, Erasmus MC) "USP7 links metabolism, epigenetics and tumor suppression"

12.10 **Stephanie Schubert** (Pathology, LUMC) "Germline mutation affecting p53 β isoforms predisposes to multiple primary cancers"

12.30 **Meindert Lamers** (Cell and Chemical Biology, LUMC) "Structural features of high fidelity DNA replication"

12.50 **Lunch**

Chairman: Roland Kanaar and Silvere van der Maarel

14.00 **Maartje Huijbers** (Human Genetics – Neurology, LUMC) "The peculiar features of IgG4 and their role in autoimmune diseases"

14.20 **Laura Kuil** (Clinical Genetics, Erasmus MC) "Genetic regulation of macrophage development: from zebrafish to human disease"

14.40 **Evelien Eenjes** (Pediatric Surgery, Erasmus MC) "Levels of Sox2 and Sox21 are important for development and regeneration of airway epithelium"

15.00 **Menno Creyghton** (Developmental Biology, Erasmus MC) "Evolution of the human brain and the emergence of neural disorders"

15.20 **Amy Cochrane** (Anatomy and Embryology, LUMC) "Developing 'Vessel-on-Chip' technology to model vascular physiology and pathophysiology using human induced pluripotent stem cells"

15.40 Coffee/tea

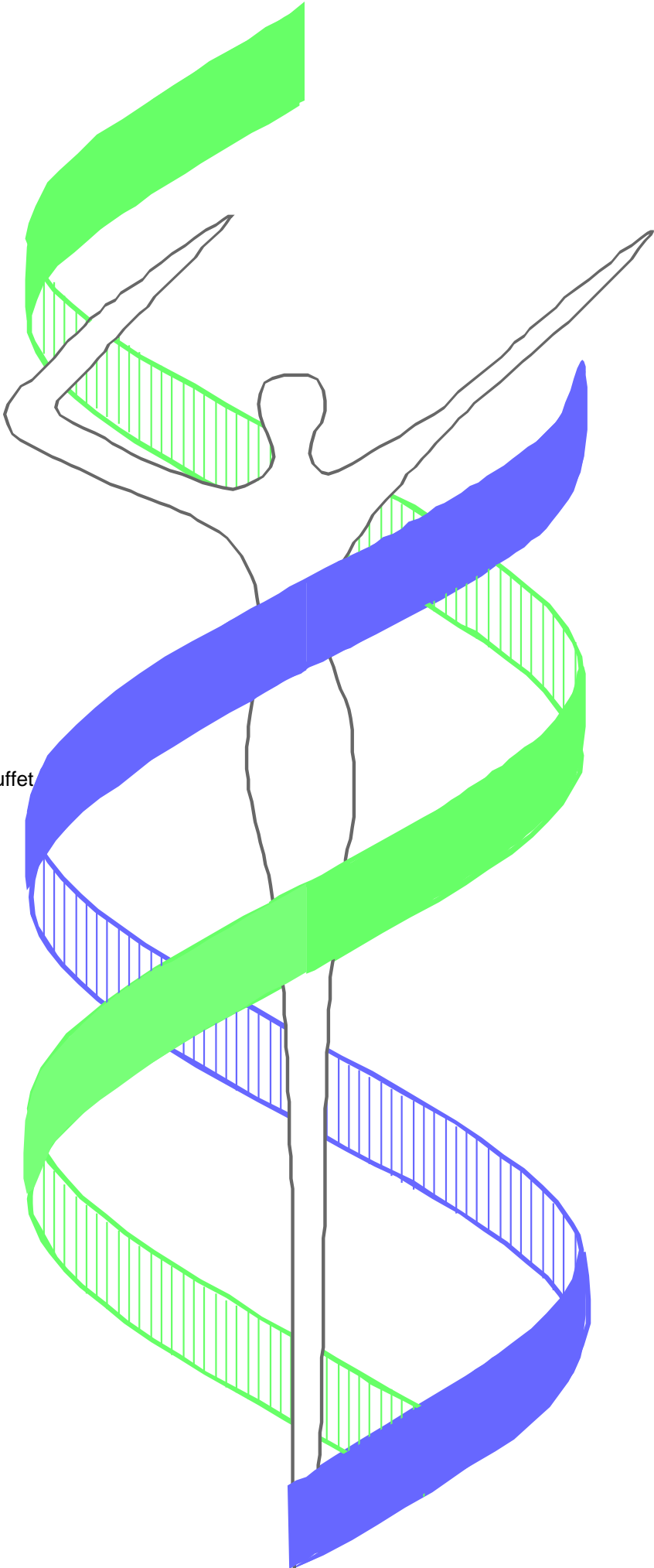
Chairman: Silvere van der Maarel

16.10 **MGC Symposium Lecture**

Isabel Aznarez (Stoke Therapeutics, Bedford, MA 01730) "Antisense-mediated increase of SCN1A expression using TANGO technology for the treatment of Dravet Syndrome"

17.10 Drinks and snacks

18.00 Dinner Buffet



28th MGC-SYMPOSIUM

Thursday, 13 September, 2018 - Theater Ins Blau, Leiden

Program 28th MGC Symposium

- 9:00 Coffee/tea and registration
- 9.25 opening: **Silvere van der Maarel**
Chairmen: Silvere van der Maarel and Joost Gribnau
- 9.30 **Baoxu Pang** "Systematic identification of silencer elements in the human genome"
Department of Cell and Chemical Biology, LUMC
- 9.50 **Cristina Gontan Pardo** "REX1 is the critical target of RNF12 in imprinted X chromosome inactivation"
Department of Reproduction and Development, Erasmus MC
- 10.10 **Jente van Staalduinen** "Transcriptional dynamics in the 3D space of the nucleus"
Department of Cell Biology, Erasmus MC
- 10.30 **Huan Yang** "Integration of computational modelling and high-content imaging to understand chemical-induced unfolded protein response"
LACDR - Research Division Drug Discovery and Safety, UL
- 10.50 Coffee/tea
Chairman: Robert Hofstra
- 11.10 **Celia Diez Lopez** "Microbiome profiling with next generation sequencing and taxonomy-independent deep learning allow for accurate classification of different human epithelial materials"
Department of Genetic Identification, Erasmus MC
- 11.30 **MGC Symposium Lecture:**
John van der Oost "CRISPR-Cas - from RNA to R&D"
Laboratory of Microbiology, Wageningen University
- 12.30 - 14.00 Lunch
Chairmen: Hans Tanke and Niels Galjart
- 14.00 **Marvin van Toorn** "The novel TFIIF interactor HLTF stimulates Nucleotide Excision Repair through regulating removal of excised oligonucleotides"
Department of Molecular Genetics, Erasmus MC
- 14.20 **Sylvie Noordermeer** "SHIELDING against PARP inhibitor resistance in BRCA1-mutated cancers"
Department of Human Genetics, LUMC
- 14.40 **David van IJendoorn** "Modeling translocation driven tumors with human induced Pluripotent Stem Cells (hiPSCs) using CRISPR-Cas9"
Department of Pathology-Molecular Tumorpathology, LUMC
- 15.00 **Chinmoy Saha** "Metal dependent DNase activity of Campylobacter jejuni Cas9 in human cells"
Department of Medical Microbiology and Infectious Diseases, Erasmus MC
- 15.20 **Xu Cao** "Derivation of fully functional macrophage subtypes from hiPSCs under fully defined conditions"
Department of Anatomy and Embryology, LUMC
- 15.40 Coffee/tea
Chairmen: Roland Kanaar and Bob van de Water
- 16.10 **Judith Verhagen** "Tail-anchored protein insertion pathway in vertebrate heart disease"
Department of Clinical Genetics, Erasmus MC
- 16.30 **Najaf Amin** "Rare genetic variants in depression"
Department of Genetic Epidemiology, Erasmus MC
- Best lecture of the MGC PhD Workshop 2018**
- 16.50 **Gido Gravesteijn** "Testing blood-based biomarkers in CADASIL: Neurofilament Light-chain correlates with disease severity and survival"
Departments of Clinical Genetics and Human Genetics, LUMC
- 17.10 Drinks and snacks
- 18.00 Walking dinner



27th MGC-SYMPIOSIUM
Thursday, September 14, 2017
Forumzaal, Erasmus Universiteit, Rotterdam

Program

- 8.45 coffee and registration
- 9.15 opening: S.M. van der Maarel
Chairman: S.M. van der Maarel
- 9.20 **Gonzalo Sanchez-Duffhues** (Department of Molecular Cell Biology, LUMC) "Endothelial-to-mesenchymal transition in human disease"
- 9.40 **Luca Signorile** (Department of Cell Biology, Erasmus MC) "Quality control of microtubules: from in vitro experiments to brain malformations"
- 10.00 **Bart Appelhof** (Department of Clinical Genetics, LUMC) "Genetic aberrations and disease mechanisms in Pontocerebellar Hypoplasia"
- 10.20 **Inge van Gool** (Department of Pathology, LUMC) "Somatic POLE exonuclease domain mutations in (endometrial) cancer"
- 10.40 **Marjolein Baar** (Department of Molecular Genetics, Erasmus MC) "Age-related pro-survival responses and cancer"
- 11.00 coffee/tea
Chairman: H.J. Tanke
- 11.20 **Monika Bialecka** (Department of Anatomy & Embryology, LUMC) "Development of the human germ line, where do we stand now?"
- 11.40 **Athina Vidaki** (Department of Genetic Identification, Erasmus MC) "CpGforID: Epigenetic discrimination of identical twins under the forensic scenario"
- 12.00 **Anita van den Heuvel** (Department of Human Genetics, LUMC) "Single-cell transcriptomics; Towards unraveling the true FSHD transcriptome (dynamics)"
- 12.20 **Dina Vojinovic** (Department of Genetic Identification, Erasmus MC) "Genome-wide association study of brain ventricular volume"
- 12.40 -14.00 lunch
Chairman: B. v.d. Water
- Best lecture of the MGC PhD Workshop 2017
- 14.00 **Kyra Smit** (Department of Clinical Genetics, Erasmus MC) "Prognostication of uveal melanoma patients: are exosomes the solution?"
- 14.20 **Esme Koedoot** (LACDR- Research Division Drug Discovery and Safety, UL) "Integrated RNAi screening and RNAseq analysis to uncover splicing programs that control breast cancer progression"
- 14.40 **Saskia Hiltmann** (Department of Pathology and Bioinformatics, Erasmus MC) "Galaxy mother Toolset (GmT): a user-friendly application for 16S rRNA gene sequencing analysis using mother"
- 15.00 **Tareq Malas** (Department of Human Genetics, LUMC) "Accelerating drug-discovery in polycystic kidney disease using genome-scale expression profiling analysis"
- 15.20 **Erik van der Wal** (Department of Clinical Genetics, Erasmus MC) "Regenerative medicine using iPSC-derived skeletal muscle progenitors"
- 15.40 coffee/tea
Chairman: D. Huylebroeck
- 16.10 *MGC Symposium Lecture*
Thierry Voet (KULeuven, Belgium and Sanger Inst., Cambridge, UK) "Single-cell (multi-omics) sequencing to study the biology of cellular heterogeneity in health and disease"
- 17.10 drinks and snacks

26th MGC-SYMPIOSIUM

Thursday, September 22, 2016

The Second Level, Leiden

(Bargelaan 180)

Program

8.45 coffee and registration

9.30 opening: S.M. van der Maarel

Chairman: S.M. van der Maarel

9.35 **Ines Chaves** "Later life health effects of gestational circadian rhythm disturbance in mice" (Department of Molecular Genetics, Erasmus MC)

9.55 **Joshua Peterson** "Insights into Aortic Valve Development in Mice" (Department of Anatomy & Embryology, LUMC)

10.15 **Danny Halim** "Studying Smooth Muscle Cells Through MMIHS – A Heterogenous Disease of Visceral Organs" (Department of Clinical Genetics, Erasmus MC)

10.35 **Erik van den Akker** "Uncompromised ten-year survival of oldest old carrying somatic mutations in DNMT3A and TET2" (Department of Molecular Epidemiology, LUMC and Department of Pattern Recognition & Bioinformatics, TUDelft)

10.55 coffee/tea

Chairman: D.F.E. Huylebroeck

11.15 *Best lecture of the MGC PhD Workshop 2016*

Nathalie van den Tempel "Localized induction of homologous recombination deficiency by hyperthermia" (Department of Molecular Genetics, Erasmus MC)

11.35 **Johan Slotman** "Super resolution microscopy to investigate DNA repair and cell migration" (Department of Pathologie – OIC, Erasmus MC)

11.55 **Maartje van Kregten** "Genetic modification of plants results from Polymerase θ -mediated End-Joining" (Department of Human Genetics, LUMC)

12.15 **Marti Quevedo Calero** "Discovery of factors MEDIATING transcription" (Department of Cell Biology, Erasmus MC)

12.35 -14.00 lunch

Chairman: J.H.J. Hoeijmakers

14.00 **Ruben Boers** "MeD-seq, a novel method to detect DNA methylation genomewide" (Department of Developmental Biology, Erasmus MC)

14.20 **Laila Ritsma** "Spying on single cells in vivo using intravital microscopy and imaging windows" (Department of Molecular Cell Biology, LUMC)

14.40 **Tijmen Booiij** "3D High-Content Screening of compound libraries to identify modulators of Polycystic Kidney Disease" (LACDR- Division of Toxicology, UL)

Chairman: H.J. Tanke

15.00 **Karolina Lech** "Towards molecular alibi testing: Investigating molecular biomarkers for estimating blood-deposition time" (Department of Genetic Identification, Erasmus MC)

15.20 **Noel de Miranda** "Neo-antigen-targeted immunotherapy in colorectal cancer patients" (Department of Pathology, LUMC)

15.40 coffee/tea

Chairman: R.M.W. Hofstra

16.10 *MGC Symposium Lecture:*

Joost Gribnau: "Activation of X inactivation" (Department of Developmental Biology, Erasmus MC)

17.10 drinks and snacks

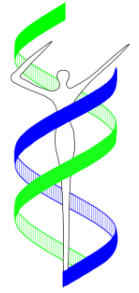
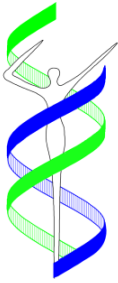
25th MGC-SYMPIOSIUM

Thursday, September 10, 2015

Building 3, LUMC

Program

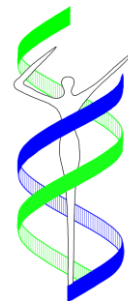
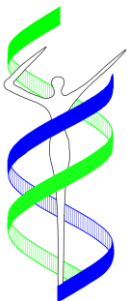
- 8.45 coffee and registration
- 9.30 opening: L.H.F. Mullenders
Chairman: B. van de Water
- 9.35 **Claudia Ruivenkamp**: "BRAIN: a tool to rationalise the biology behind genes for disorders (ID as example)" (Clinical Genetics, LUMC)
- 9.55 **Arjan Theil**: "New paradigms for understanding the rare progeroid DNA repair disorder trichothiodystrophy" (Genetics, Erasmus MC)
- 10.15 **Steven Hiemstra**: "Systems microscopy to unravel the signaling network that controls the KEAP1/Nrf2 antioxidant adaptive stress response pathway" (LACDR, UL)
- 10.35 *Best lecture of the MGC PhD Workshop 2015*
Malgorzata Grosbart: "Multiple ligand-specific conformations of the MRE11/RAD50 DNA repair complex" (Genetics, Erasmus MC)
- 10.55 coffee/tea
Chairman: R.M.W. Hofstra
- 11.15 **Silvana Jirka**: "Enhancing the delivery of antisense oligonucleotides for Duchenne muscular dystrophy" (Human Genetics, LUMC)
- 11.35 **Tobias Messemaker**: "A novel long non-coding RNA in the rheumatoid arthritis risk locus TRAF1-C5 regulates C5 mRNA levels" (MCB/Reumatologie, LUMC)
- 11.55 **Virginie Verhoeven**: "Genetic pathways in human myopia" (Clinical Genetics, Erasmus MC)
- 12.15 **Wouter Leonhard**: "Mechanistic Insights into Autosomal Dominant Polycystic Kidney: The Role of TGF β , Activins and Cysts Themselves Human Genetics" (Human Genetics, LUMC)
- 12.35 -14.00 lunch
Chairman: J.H.J. Hoeijmakers
- 14.00 **Saskia Hiltermann**: "Discriminating somatic and germline mutations in tumour DNA samples without matching normals" (Bioinformatics, Erasmus MC)
- 14.20 **Arnoud Boot**: "Imprinted cell survival genes drive thyroid cancer cells to maintain heterozygosity on chromosome 7" (Pathology, LUMC)
- 14.40 **Peter de Keizer**: "Targeted Apoptosis of Senescent Cells (TASC) against cancer and aging" (Genetics, Erasmus MC)
Chairman: S.M. van der Maarel
- 15.00 **Sreya Basu**: "A novel role for dynamic microtubules in the control of stem cell fate" (Cell Biology and Genetics, Erasmus MC)
- 15.20 **Georgios Kosmidis**: "Human pluripotent stem cell derived cardiomyocytes to study the read through of nonsense mutations in the sodium channel gene SCN5A" (Anatomy and Embryology, LUMC)
- 15.40 **Petros Kolovos**: "Genome structure and hematopoietic development" (Cell Biology, Erasmus MC)
- 16.00 coffee/tea
Chairman: D.F.E. Huylebroeck
- 16.30 *MGC Symposium Lecture:*
Timm Schroeder: "Long-term single cell quantification: New tools for old questions" (Department of Biosystems Science and Engineering, ETH Zurich, Basel, Switzerland)
- 17.30 drinks and snacks



24th MGC-SYMPOSIUM
Friday, September 19, 2014
"Engels", Stationsplein 45, Rotterdam

Program

- 8.45 coffee and registration
- 9.30 opening: Prof. dr. Leon Mullenders
Chairman: Prof. dr. Jan Hoeijmakers
- 9.35 Simone Olgiati, An Exome Study of Parkinson's Disease in Sardinia, a Mediterranean Genetic Isolate (Clinical Genetics, Erasmus MC)
- 9.55 Eleonora de Klerk, Mapping ribosome footprints to investigate translational control during myogenesis (Human Genetics, LUMC)
- 10.15 Parham Solaimani, An unexpected requirement for Gpr56 revealed by whole transcriptome analysis of endothelial-to-hematopoietic stem cell transition (Cell Biology, Erasmus MC)
- 10.35 *Best lecture of the MGC PhD Workshop 2014*
Risha Smeding, Human Genetics – Forensic Laboratory for DNA research
Genetic paleo-epidemiology: Medically relevant polymorphisms in ancient human populations
- 10.55 coffee/tea
Chairman: Prof. dr. Bob van de Water
- 11.20 Kirsten Van Dycke, Circadian disruption and increased breast cancer risk (RIVM and Genetics, Erasmus MC)
- 11.40 Bas ter Braak, Mammary gland tumor promotion by chronic administration of different insulin analogues in the p53R270H/+WAPCre mouse model (LACDR-Toxicology, UL)
- 12.00 Kishan Naipal, Functional ex vivo assay to select Homologous Recombination deficient breast tumors for PARP inhibitor treatment (Genetics, Erasmus MC)
- 12.20 Robin van Schendel, Polymerase Theta: stitching genomic wounds at a small expense, (Human Genetics, LUMC)
- 12.40 -14.00 lunch
Chairman: Prof. dr. Silvère van der Maarel
- 14.00 Tjakko van Ham, The role of non-neuronal cellular dynamics in neurodegeneration: learning from the zebrafish (Clinical Genetics, Erasmus MC)
- 14.20 Anke Smits, Optimising the cardiac post-injury response; identifying novel regulators of epicardial EMT (Molecular Cell Biology, LUMC)
- 14.40 Sabine den Hartogh, Unravelling mesoderm to cardiac progenitor differentiation by using a Mesp1-mCherry-NKX2-5-eGFP dual reporter human embryonic stem cell line (Anatomy and Embryology, LUMC)
- 15.00 Guillaume Giraud, Co-Recruitment of Fli-1 and the Ldb1 Complex to Regulatory Sequences of Megakaryocytic Genes (Cell Biology, Erasmus MC)
- 15.20 Fabrizia Carofiglio, Zooming-in on chromosomes in mouse meiosis (Reproduction and Development, Erasmus MC)
- 15.40 coffee/tea
Chairman: Prof. dr. Frank Grosveld
- 16.10 MGC Symposium Lecture: Prof. James Briscoe: "The Gene Regulatory Logic for Reading the Sonic Hedgehog Gradient In The Vertebrate Neural Tube" (MRC National Institute for Medical Research, Department of Developmental Biology, London, UK)
- 17.10 drinks and snacks
- 18.00-23.30 buffet dinner with musical accompaniment by the Party band Go Yellow



23rd MGC-SYMPIOSIUM
Thursday, September 19, 2013
"Engels", Stationsplein 45, Rotterdam

Program 23rd MGC Symposium

8.45 coffee and registration

9.30 opening: F.G. Grosveld

Chairman: F.G. Grosveld

9.35 JiangLing Xiong: "Integrin signaling through TGF β /miR200/ZEB network regulates epithelial gene expression and controls breast cancer metastasis"(LACDR-Toxicology, UL)

9.55 Haleh Rafati: "Induction of the Wnt signaling pathway by natural ligands or small molecule inhibitors activated latent HIV (Biochemistry, Erasmus MC)

10.15 Sara Martins-Neves: "Wnt/ β -catenin signaling in osteosarcoma cancer stem cells" (Pathology, LUMC)

10.35 *Best lecture of the MGC PhD Workshop 2013*

Agnese Loda: "Autosomal spreading of Xist revisited" (Reproduction and Development, Erasmus MC)

10.55 coffee/tea

Chairman: L.H.F. Mullenders

11.15 Bert-Jaap van Belle: "DNA-damage sensor XPC differentiates between low and high damage load" (Optical Image Centre, Erasmus MC)

11.35 Joost Schimmel: "Purification, identification and characterization of novel SUMO target proteins" (Molecular Cell Biology, LUMC)

11.55 Gerline van der Glind: "Quiescent stem cells in skin accumulate cyclobutane pyrimidine dimers under low level UV exposure, giving rise to carcinomas upon TPA tumor promotion" (Dermatology, LUMC)

12.15 Wilbert Vermeij: "Effect of DR on life span and neurodegeneration in progeroid DNA repair deficient mouse models" (Genetics, Erasmus MC)

12.35 -14.00 lunch

Chairman: R.M.W. Hofstra

14.00 Aniek van der Vaart: "Studying intraflagellar transport in cilia of *Caenorhabditis elegans* by dual-color live imaging" (Cell Biology, Erasmus MC)

14.20 Andrea Martella: "Genome-wide analysis of Ldb1 binding in hemangioblasts reveals novel signaling pathways involved in primitive hematopoiesis" (Cell Biology, Erasmus MC)

14.40 Yunia Sribudiani: "Genetic and functional studies in Hirschsprung disease" (Clinical Genetics, Erasmus MC)

Chairman: J.H.J. Hoeijmakers

15.00 Cathelijne van den Berg: "Pluripotent stem cell models of a human cardiac sodium channelopathy" (Anatomy and Embryology, LUMC)

15.20 Muhammad Riaz: "Masking the proximal polyadenylation site of the E3-ligase ARIH2 restores PABPN1 levels in aging-associated muscle degeneration" (Human Genetics, LUMC)

15.40 Mark Drost: "Novel methods for the diagnosis of missense variants in DNA mismatch repair genes in Lynch syndrome" (Toxicogenetics, LUMC)

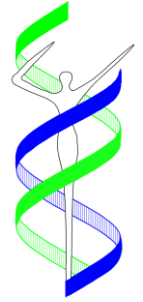
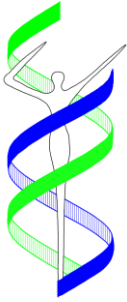
16.00 coffee/tea

Chairman: G.J.B. van Ommen

16.30 MGC Symposium Lecture: Prof. dr. Christopher Pearson: "Repeat-associated diseases, pathogenesis & therapeutic avenues" (The Hospital for Sick Children, Department of Genetics, Toronto, Canada)

17.30 drinks

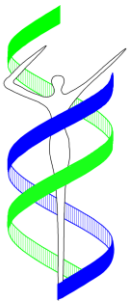
18.30 dinner



22th MGC-SYMPOSIUM
Thursday, September 13, 2012
Building 3, LUMC

Program

- 8.45** coffee and registration
- 9.30 opening: F.G. Grosveld
Chairman: F.G. Grosveld
- 9.35 Anastasia Egorova: "Ciliary regulation of endothelial response to shear stress. Consequences for TGFbeta signaling and endothelial-to-mesenchymal transition" (Anatomy and Embryology, LUMC)
- 9.55 Linde Kegel: "The functional relationship between Lgi proteins and PNS myelin formation" (Genetics, Erasmus MC)
- 10.15 Eleonora de Klerk: " Poly(A) binding protein nuclear 1 (PABPN1) levels affect alternative polyadenylation " (Human Genetics, LUMC)
- 10.35 Marialuisa Quadri: " Mutations in SLC30A10 Cause Parkinsonism and Dystonia with Hypermanganesemia, Polycythemia, and Chronic Liver Disease " (Clinical Genetics, Erasmus MC)
- 10.55** coffee/tea
Chairman: G.J.B. van Ommen
- 11.15 Joris Deelen: "Longevity en telomeres research" (Molecular Epidemiology, LUMC)
- 11.35 Thomas Clapes: "Role of CLASP2 during mouse embryonic and adult haematopoiesis" (Cell Biology, Erasmus MC)
- 11.55 Bram Herpers: "Live cell imaging multiparametric RNAi screen of the NFkB nuclear oscillatory response identifies novel regulators of the ubiquitinase A20" (LACDR-Toxicology, UL)
- 12.15 Julie Rutten: "Cysteine Quantity Correction in CADASIL; modification of the NOTCH3 protein using antisense oligonucleotides" (Human and Clinical Genetics, LUMC)
- 12.35 -14.00** lunch
Chairman: B. v.d. Water
- 14.00 Jessica Zuin: "Cohesin's role for the higher order chromatin structure at the chromosome 11 p15.5 region" (Cell Biology, Erasmus MC)
- 14.20 Thomas Costelloe: "The yeast Fun30 and human SMARCAD1 chromatin remodelers are novel factors involved in the repair of chromosomal DNA breaks" (Toxicogenetics, LUMC)
- 14.40 Khek-Chian Tham: "Anti-recombination mediated by DNA mismatch repair proteins" (Genetics, Erasmus MC)
- Chairman: R.M.W. Hofstra*
- 15.00 Ashok Reddy: "Metabolic enzyme GMP synthetase relays control of p53" (Biochemistry, Erasmus MC)
- 15.20 Laurens van Meeteren: "Neuropilin-1 signaling in trans regulates VEGF signaling and angiogenesis" (Molecular Cell Biology, LUMC)
- 15.40 Marten van der Zee: "Aldehyde dehydrogenase activity earmarks cancer stem cells in endometrial cancer" (Josephine Nefkens Institute, Erasmus MC)
- 16.00** coffee/tea
Chairman: L.H.F. Mullenders
- 16.30 MGC Symposium Lecture: Prof. dr. Karen Adelman: Potentiating Signal-responsive Transcription: A Dynamic Dance Between Paused Polymerase and Chromatin (Laboratory of Molecular Carcinogenesis, Research Triangle Park, USA)
- 17.30** drinks and snacks



21th MGC-SYMPIOSIUM

Thursday, September 15, 2011

Building 3, LUMC

Program

8.45 coffee and registration

9.30 opening: F.G. Grosveld

Chairman: F.G. Grosveld

9.35 Vanessa French: "NPHP4 Variants are Associated with Congenital Heart Malformations and Heterotaxy" (Clinical Genetics, Erasmus MC)

9.55 Eskeatnaf Mulugeta Achame: "Y chromosome lost: the *Ellobius lutescens* genome" (Reproduction and Development, Erasmus MC)

10.15 Twinkal Pansuriya: "Mutations in XXX cause enchondroma formation in Ollier disease and Maffucci syndrome" (Pathology, LUMC)

10.35 Jun Wang: "The identification of mutations in ZBTB24 in ICF syndrome" (Center for Human and Clinical Genetics, LUMC)

10.55 coffee/tea

Chairman: B. v.d. Water

11.15 Raju Kandimalla: "Genome-wide analysis of CpG island methylation in bladder cancer identifies novel biomarkers for diagnosis and prediction of progression" (Pathology, Erasmus MC)

11.35 Petra Schwertman: "Identification of KIAA1530/UV^{SSA} in a SILAC-based proteomics screen for ubiquitinated complexes" (Genetics, Erasmus MC)

11.55 Anastasia Shtylik: "Replication stress at endogenous DNA damage induces premature aging" (Toxicogenetics, LUMC)

12.15 Louise von Stechow: "Identifying novel DNA damage signaling networks using a systems biology approach" (LACDR - Toxicology)

12.35 -14.00 lunch

13.35-13.55 De 'Perskamer': 'Hitting the headlines: how to write your scientific data for a broader audience' an informative meeting about a workshop that will be given in two half day sessions (for those interested)

Chairmen: L.H.F. Mullenders

14.00 Milena Bellin: "Induced pluripotent stem cells: generation of disease models" (Anatomy and Embryology, LUMC)

14.20 Marie-Jose Goumans: "TGFbeta signaling is necessary for cardiovascular progenitor cell differentiation" (Molecular Cell Biology, LUMC)

14.40 Yaser Atlasi: "Wnt/?-catenin Signaling in Embryonic Stem Cell Self-renewal and Differentiation: the role of Tcf3" (Erasmus MC)

Chairmen: B. Oostra

15.00 Dorota Kurek: "Enhanced self-renewal and suppression of spontaneous differentiation of epiblast and human embryonic stem cells by Wnt signaling inhibition" (Stem Cell Institute, Erasmus MC)

15.20 Ralph Stadhouders: "Dynamic long-range chromatin interactions control Myb proto-oncogene transcription during erythroid development" (Cell Biology, Erasmus MC)

15.40 Mijke Visser: "Functional genetics of common phenotypes; HERC2 rs12913832 modulates human pigmentation by attenuating a long-range enhancer of OCA2 expression" (Forensic Molecular Biology, Erasmus MC)

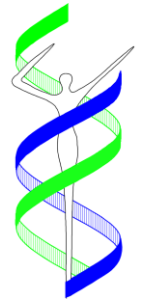
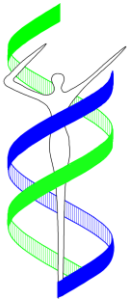
16.00 coffee/tea

Chairman: F.G. Grosveld

16.30 MGC Symposium Lecture: Prof. dr. Danny Huylebroeck: "Mouse models for studying TGFbeta family signalling" (Laboratory of Molecular Biology, Center for Human Genetics, K.U.Leuven)

17.30 drinks

18.30 - ~22 h dinner at Boerhaaveplein (building 1)



20th MGC-SYMPOSIUM
Thursday, September 16, 2010
Building 3, LUMC

Program

8.45 coffee and registration

9.30 opening: G.J.B. van Ommen
Chairman: J. Brouwer

9.35 Marcel Tijsterman: "Genomic instability in *C. elegans* and man" (Toxicogenomics, LUMC)

9.55 Berina Eppink: "Influence of hyperthermia on DNA double-strand break repair" (Genetics, Erasmus MC)

10.15 Charlotte Andrieu-Soler: "Specific Gata1 complexes regulating distinct genetic programs in erythropoiesis" (Cell Biology, Erasmus MC)

10.35 Kerstin Wendt: "Cohesin's role for gene regulation and higher order chromatin structure" (Cell Biology, Erasmus MC)

10.55 coffee/tea

Chairman: J.H.J. Hoeijmakers

11.15 Marieke Kuijjer: "Metastasis suppression by tumor infiltrating macrophages in high-grade osteosarcoma" (Pathology, LUMC)

11.35 Luuk Hawinkels: "Matrix metalloproteinase-14-mediated endoglin shedding inhibits tumor angiogenesis" (Molecular and Cellular Biology, LUMC)

11.55 Wies van Roosmalen: "Systematic multiparameter imaging-based functional genomics screening to identify novel candidate metastasis drug targets" (LACDR/ Div of Toxicology)

12.15 Cristina Gontan Pardo: "Activation of X chromosome inactivation" (Reproduction and Development, Erasmus MC)

12.35 lunch

Chairmen: B. Oostra & L.H.F. Mullenders

14.00 Yu Sun: "Terminal osseous dysplasia is caused by a unique recurrent mutation in the FLNA gene" (Center for Human and Clinical Genetics, LUMC)

14.20 Aida Bertoli-Avella: "A novel gene identified in a new Thoracic Aortic Aneurysm and Dissections (TAAD) syndrome with early onset Osteoarthritis" (Clinical Genetics, Erasmus MC)

14.40 Richard Lemmers: "A Unifying Genetic Mechanism for FSHD" (Center for Human and Clinical Genetics, LUMC)

15.00 Myrre van Spronsen: "TRAK proteins regulate trafficking of mitochondria in neurons" (Neuroscience, Erasmus MC)

15.20 Rudolf Talens: "Epigenetic epidemiology and cardiovascular disease" (Molecular Epidemiology, LUMC)

15.40 Katrin Ackermann: "Circadian forensics: circadian biomarkers for future crime scene investigation" (Forensic Molecular Biology, Erasmus MC)

16.00 coffee/tea

Chairman: F.G. Grosveld

16.30 MGC Symposium Lecture: Amanda Fisher "Resetting the lineage clock - how does reprogramming work?" (MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London)

17.30 drinks

18.30 - ~22 h dinner with music by MGC members



19th MGC-SYMPOSIUM
Thursday, September 17, 2009
"Engels", Stationsplein 45, Rotterdam

Program

8.45 coffee and registration

9.30 opening: G.J.B. van Ommen

Chairman: J. Brouwer

9.35 Maaïke van Putten: "Effect of a mild exercise regime on disease parameters in dystrophic mouse models" (Center for Human and Clinical Genetics, LUMC)

9.55 Piet van Vliet: "Altered vascular remodeling and epigenetic patterning in offspring by maternal apoE-deficiency" (Anatomy and Embryology, LUMC)

10.15 Farzin Pourfarzad: "Identification of gamma-globin repressor complex" (Cell Biology, Erasmus MC)

10.35 Ingrid van de Laar: "First locus for primary pulmonary vein stenosis maps to chromosome 2q: first steps to gene finding" (Clinical Genetics, Erasmus MC)

10.55 coffee/tea

Chairman: J.H.J. Hoeijmakers

11.15 Antoine de Morrée: "A primary sequence motif underlying Calpain 3 substrate cleavage" (Center for Human and Clinical Genetics, LUMC)

11.35 Ekim Ozkaynak: "Claw paw meets the Adams family: novel players in nerve development and myelination" (Genetics, Erasmus MC)

11.55 Eric Soler: "Genome-wide analysis of transcription factor complex binding sites during the course of erythroid differentiation: implications for gene expression regulation" (Cell Biology, Erasmus MC)

12.15 Derk ten Berge: "Wnt Signals are Necessary for Self-Renewal of Pluripotent Stem Cells" (Cell Biology, Erasmus MC)

12.35 lunch

Chairmen: B. Oostra & L.H.F. Mullenders

14.00 Hannes Lans: "Developmental switch from GG-NER to TC-NER in *C. elegans*" (Genetics, Erasmus MC)

14.20 Akiko Inagaki: "RAD18 functions in mitotic and meiotic cells" (Reproduction & Development, Erasmus MC)

14.40 Liesbeth Hameetman: "Molecular analysis of skin cancer in immunosuppressed patients" (Toxicogenetics, LUMC)

15.00 Alex Mohseny: "Osteosarcoma originates from mesenchymal stem cells in consequence of aneuploidization and genomic loss of *Cdkn2*" (Pathology, LUMC)

15.20 Lia Pardali: "Genetic and pharmacologic targeting of ALK1 impairs tumor growth and angiogenesis" (Molecular and Cellular Biology, LUMC)

15.40 Willemijn Passtoors: "Transcriptional profiling of familial longevity in the Netherlands" (Molecular Epidemiology, LUMC)

16.00 coffee/tea

Chairman: F.G. Grosveld

16.30 MGC Symposium Lecture:
Prof. Angela Giangrande, 'Genetic and epigenetic cues triggering cell differentiation in the nervous system' (Institute of Genetics and Molecular and Cellular Biology, University of Strasbourg, France)

17.30 drinks

18.30 - ~22 h dinner with music by MGC members



18th MGC-SYMPOSIUM
Thursday, September 18, 2008,
"Engels", Stationsplein 45, Rotterdam

Program

8.45 coffee and registration

9.30 opening: F.G. Grosveld, chairman MGC

Chairman: J. Brouwer

9.35 Astrid Out: "Estimation of MUTYH variant frequencies in pooled DNA with Solexa/Illumina sequencing (Center for Human and Clinical Genetics, LUMC)

9.55 Haico van Attikum: "DNA damage repair: what can chromatin remodelers do for you?" (Toxicogenetics, LUMC)

10.15 Berina Eppink: "Homologous recombination involved in UV induced damage repair" (Genetica, Erasmus MC)

10.35 Cristina Gontan: "Exportin 4 mediates a novel import pathway for Sox family transcription factors" (Kinderchirurgie, Erasmus MC)

10.55 coffee/tea

Chairman: J.H.J. Hoeijmakers

11.15 Thamar van Dijk: "Friend of Prmt1, a novel chromatin target of protein arginine methyltransferase" (Cell Biology, Erasmus MC)

11.35 Fanneke Alkemade: "Altered histone methylation and increased athero-susceptibility in offspring after in utero exposure to maternal atherosclerotic risk factors." (Anatomy and Embryology, LUMC)

11.55 Judith Brouwer: "FXTAS; a fragile balance of FMR1 expression" (Clinical Genetics, Erasmus MC)

12.15 lunch

Chairmen: B. Oostra & L.H.F. Mullenders

14.00 Martine van Miltenburg "The non-receptor protein tyrosine kinase focal adhesion kinase (FAK) defines mammary gland morphogenesis and lactational differentiation" (Division of Toxicology, LACDR, Leiden University)

14.20 Eugin Destici: "Oscillator-independent control of cell cycle progression by circadian clock proteins." (Genetica, Erasmus MC)

14.40 Peter Henneman: "Genetics of the Metabolic Syndrome; the ERF approach" (Center for Human and Clinical Genetics, LUMC)

15.00 Annemieke Verkerk: "Brain disease gene identification using a combination of SNP and expression arrays" (Bioinformatics, Erasmus MC)

15.20 Antoinet Gijbbers: "Identification of novel candidate loci associated with blepharophimosis phenotypes" (Center for Human and Clinical Genetics, LUMC)

15.40 Susana Montenegro Gouveia: "STIM1 links endoplasmic reticulum to microtubule tips" (Cell Biology, Erasmus MC)

16.00 coffee/tea

Chairman: G.J.B. van Ommen

16.30 MGC Symposium Lecture:
Prof. Dr. Brunhilde Wirth, "Spinal muscular atrophy: from gene and modifiers to therapy" (Institute of Human Genetics, University Hospital of Cologne)

17.30 drinks

18.30 - about 22 h dinner with music by MGC members



17th MGC-SYMPOSIUM
Thursday, September 20, 2007,
“Engels”, Stationsplein 45, Rotterdam

Programme

- 8.45 coffee and registration
9.30 opening: F.G. Grosveld, chairman MGC
Chairman: J. Brouwer
- 9.35 Joyce H.G. Lebbink: “Mechanisms of DNA mismatch repair and antirecombination (Genetica, Erasmus MC)
9.55 Giel Hendriks: “Transcription enhances mutagenesis in mammalian cells” (Toxicogenetics, LUMC)
10.15 Jeffrey van Haren: “Steering mitosis with navigators” (Cell Biology, Erasmus MC)
10.35 Daniël Splinter: “Bicaudal D - a cell-cycle regulated linker between cargo and microtubule motors” (Cell Biology, Erasmus MC)
- 10.55 coffee/tea
Chairman: J.H.J. Hoeijmakers
- 11.15 Rhyenne Zimmerman: “Apoptin: Sensing early steps in cellular transformation” (Molecular Genetics, Leiden University)
11.35 Joost Melis: “Different XP mice show divergent cancer phenotypes” (RIVM)
11.55 Yvonne Schrage: “EXT and its downstream targets in low-grade central chondrosarcoma (CCS)” (Pathology, LUMC)
12.15 Sima Kheradmandkia “SWI/SNF chromatin remodeler reactivation causes epigenetic reprogramming of the INK/ARF tumor suppressor locus” (Biochemistry, Erasmus MC)
- 12.35 lunch
Chairmen: B. Oostra & L.H.F. Mullenders
- 14.15 Daniel Warmerdam: “Introduction on PhD student’s Workshop.”
14.20 Ilse van den Berg: “Epigenetics and chromosomal abnormalities in human oocytes.” (Reproductive Medicine, Erasmus MC)
14.40 Sylvia Le Dévedec: “Focal adhesion-associated protein dynamics are determined by extracellular-matrix concentration” (Division of Toxicology, LACDR, Leiden University)
15.00 Peter A.C. 't Hoen: “Expression profiling by massive parallel sequencing and five different microarray platforms” (Center for Human and Clinical Genetics, LUMC)
15.20 Femke de Vrij: “Rescue of altered spine morphology in a mouse model of Fragile X syndrome” (Clinical Genetics, Erasmus MC)
15.40 Pauline Roest: “How maternal diabetes leads to congenital heart disease?” (Anatomy, LUMC)
- 16.00 coffee/tea
Chairman: G.J.B. van Ommen
- 16.30 MGC Symposium Lecture:
Kenneth B. Storey, Carleton University, Ottawa, Ontario, Canada: “Frozen alive: molecular secrets of freeze tolerant animals”
- 17.30 drinks
- 18.30 - about 22 h dinner with music by Ghavergu MIDI (Alireza Ghamari, Vincent Verbiest, Laura Gutierrez, Masato Miyata, Chris Dinant).

16th MGC-SYMPIOSIUM

Friday, September 22, 2006

Leidse Hogeschool

Programme

- 8.45 - 9.30 coffee and registration
9.30 - 9.35 opening: F.G. Grosveld, chairman MGC

Chairman: J. Brouwer

- 9.35 - 9.55 Erik Malta: "Base flipping in nucleotide excision repair"
9.55 - 10.15 Jill Moser: "Novel factors and insights into the molecular events that regulate the late steps of nucleotide excision repair"
10.15 - 10.35 Mauro Modesti: "Visualization of protein-DNA transactions during Homologous Recombination"
10.35 - 10.55 Marieke Simons: "Nuclear organization of active and inactive chromatin domains revealed by 4C technology"
10.55 - 11.15 B. R. Prashanth Kumar: "Ubiquitin protease 64 regulates cell differentiation through control of tramtrack levels"

- 11.15 - 11.35 coffee/tea

Chairman: J.H.J. Hoeijmakers

- 11.35 - 11.55 Judith Boer: "Identification of cancer biomarkers using (epi)genomic and expression microarrays"
11.55 - 12.15 Stephan White: "Distribution of recurrent copy number variation in different ethnic populations"
12.15 - 12.35 Saskia A J Lesnik Oberstein: "Peters' Plus syndrome is a congenital disorder of glycosylation caused by mutations in *B3GALTL*"
12.35 - 12.55 Paola Alberici: "SMAD4 haploinsufficiency and the crosstalk between Tgf-beta and Wnt signaling in colorectal cancer"

- 12.55 - 14.30 lunch

Chairman: B. Oostra

- 14.30 - 14.50 Adrian Rodriguez-Contreras: "Development of large presynaptic terminals in the auditory brainstem of rats"
14.50 - 15.10 Catherine Robin: "IL-3 (an adult cytokine) regulates hematopoietic stem cells in the midgestation embryo"
15.10 - 15.30 Leen 't Hart: "Mitochondrial gene defects and susceptibility to develop type 2 diabetes mellitus"
15.30 - 15.50 Kim van der Heiden: "Shear stress sensing primary cilia in disturbed flow areas are at the base of atherosclerosis"
15.50 - 16.10 Merel Klaassens: "Molecular (cyto)genetic analysis of congenital diaphragmatic hernia (CDH)"

- 16.10 - 16.30 coffee/tea

Chairman: G.J.B. van Ommen

- 16.30 - 17.15 MGC Symposium Lecture:
John Mattick (Institute for Molecular Bioscience, The University of Queensland, Brisbane, Australia): "The majority of the human genome encodes a hidden RNA regulatory system that controls differentiation and development"

- 17.30 - 19.00 drinks. Music by Laura Gutierrez (voice) and Chris Dinant (piano).

15th MGC-SYMPOSIUM

Thursday, September 15, 2005
Engels, Stationsplein 45, Rotterdam

Programme

- 9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: *Prof. Dick Bootsma*, founding chairman of the MGC
Chairman: J. Brouwer
10.05 - 10.25 Sandra van 't Padje: The zebrafish (*Danio rerio*) as a new vertebrate-model system to study striated muscle development
10.25 - 10.45 Mariska van der Plas: A novel role for dystrophin in the control of neurotransmitter release at the *Drosophila* neuromuscular junction
10.45 - 11.05 Ben den Dulk: New factors in NER of yeast
11.05 - 11.25 Sanja Krpic: Interaction of transcription factors
11.25 - 11.45 coffee/tea
Chairman: B. Oostra
11.45 - 12.05 Renate Hukema: Gustatory plasticity in *Caenorhabditis elegans*
12.05 - 12.25 Lisette Mohrmann: Functional diversification between SWI/SNF subunits and cell cycle control
12.25 - 12.45 Bas Heijmans: Inter-individual epigenetic variation at the *IGF2* locus – preliminary data on its cause and consequence
12.45 - 13.05 Casper Hoogenraad: EphB Receptor trafficking regulates dendrite morphogenesis
13.05 - 14.30 lunch
Chairman: L.H.F. Mullenders
14.30 - 14.50 Payman Hanifi-Moghaddam: Steroid hormone signaling in the human female genital duct system
14.50 - 15.10 Maroesja van Nimwegen: Focal adhesion kinase (FAK) signaling determines metastatic potential and anticancer drug sensitivity of breast cancer cells.
15.10 - 15.30 Ellen Sterrenburg: Gene expression profiling reveals a new molecular pathway involved in Oculopharyngeal Muscular Dystrophy
15.30 - 15.50 Peter Svensson: Gene expression profiling of late radiation toxicity in prostate cancer
15.50 - 16.10 George Garinis: Genomic profiling of aging in early aging mouse mutants
16.10 - 16.30 coffee/tea
Chairman: J.H.J. Hoeijmakers
16.30 - 17.15 MGC Symposium Lecture
Prof. Ruedi Aebersold (Institute for Biotechnology, ETH Zurich, Switzerland and Institute for Systems Biology, Seattle, USA): Quantitative proteomics and systems biology
17.30 - 18.30 drinks
18.30 - about 22 h dinner with music by 'The Tropical Sound' (Caribbean music)

14th MGC-SYMPOSIUM

Thursday, September 16, 2004
Engels, Stationsplein 45, Rotterdam

Programme

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: F.G. Grosveld, chairman MGC

Chairman: J. Brouwer

10.05 - 10.25 Katsuhiko Hanada "The importance of structure-specific endonucleases for genome stability"
10.25 - 10.45 Marjo de Graauw "Phospho-proteomics of the epithelial mesenchymal transition"
10.45 - 11.05 Jan van der Knaap "Histone H2B deubiquitination by the suppressor of position-effect variegation USP7 is stimulated by GMP Synthetase"
11.05 - 11.25 Sergei Alekseev "Impact of expression of the p48 (DDB2) gene on carcinogenic effects in mice exposed to UV-B radiation"

11.25 - 11.45 coffee/tea

Chairman: J.H.J. Hoeijmakers

11.45 - 12.05 Remco van Doorn "DNA methylation of multiple promoter-associated CpG islands in patients with primary cutaneous T cell lymphoma"
12.05 - 12.25 Mark Wijgerde "Hedgehog signalling in gonads"
12.25 - 12.45 Ksenija Drabek "In vivo analysis of the microtubule-end binding protein CLASP-2"
12.45 - 13.05 Marjolein Janssen "Nuclear dynamics and a novel mechanism of repression of transcription by TEL, a partner in the translocation t(12;22) creating the MN1TEL fusion protein"

13.05 - 14.30 lunch

Chairman: B. Oostra & G.J.B. van Ommen

14.30 - 14.50 Irma Lantinga-van Leeuwen "Lowering of Pkd1 expression is sufficient to cause polycystic kidney disease"
14.50 - 15.10 Edwin Mientjes "Fxr1 mouse models: determining the function of Fxr1p in vivo"
15.10 - 15.30 Astrid Lalai "Reduced hematopoiesis in ERCC1-/- mice"
15.30 - 15.50 Arn M.J.M. van den Maagdenberg "A migraine mouse model with a pathogenic R192Q Cacna1a mutation shows increased susceptibility to cortical spreading depression"
15.50 - 16.10 Pascal van der Wegen "Gene therapy of liver disease with lentiviral vectors"

16.10 - 16.30 coffee/tea

Chairman: L.H.F. Mullenders

16.30 - 17.15 MGC Symposium Lecture
Peter Brophy (Professor of Veterinary Anatomy & Cell Biology, University of Edinburgh) "How functional domains are established in myelinated nerve fibres"

17.30 - 18.30 drinks

18.30 - about 22 h dinner with music by 'Hip Implant' (Ciska - Erwin - Remy - Daniël - Pepijn - Jaan Olle)

13th MGC-SYMPOSIUM

Thursday, September 18, 2003
Engels, Stationsplein 45, Rotterdam

Programme

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: F.G. Grosveld, chairman MGC

Chairman L.H.F. Mullenders

10.05 - 10.25 Gerdine Stout "Impact of mismatch repair on the UVB induced XPC cell cycle arrest"
10.25 - 10.45 Maria Fousteri "DNA damage-induced Transcription Inhibition: different mechanisms with many players"
10.45 - 11.05 Mauro Modesti "Biochemical analysis of DNA repair mechanisms"
11.05 - 11.25 Jaan Olle Andressoo "Mouse models for Xeroderma pigmentosum, Cockayne syndrome and Trichothiodystrophy"

11.25 - 11.45 coffee/tea

Chairman P. Verrijzer

11.45 - 12.05 Robert-Jan Palstra "Structure of the beta globin transcriptosome in vivo"
12.05 - 12.25 Pieter Fokko van Loo "Sp3: the heart of the matter"
12.25 - 12.45 Adone Mohd Sarip "Recognition of an epigenetic DNA element by Pleiohomeotic (PHO) and Polycomb (PC)"
12.45 - 13.05 Erik Hensen "Paternal transmission of disease explained by somatic genetic mechanism, rather than imprinting"

13.05 - 14.30 lunch

Chairman B.A. Oostra

14.30 - 14.50 Silvere van der Maarel "Epigenetic causes of Facioscapulohumeral muscular dystrophy (FSHD)"
14.50 - 15.10 Shuyan Cong "Transcriptional deregulation by huntingtin with an expanded repeat: focus on the early stages"
15.10 - 15.30 Esther de Graaff "Preaxial polydactyly: a long distance enhancer keeps Shh under the thumb"
15.30 - 15.50 Mark Nellist "The role of the tuberous sclerosis gene products in signal transduction"
15.50 - 16.10 Ype Elgersma "Molecular mechanisms underlying synaptic plasticity, learning and memory"

16.10 - 16.30 coffee/tea

Chairman J.H.J. Hoeijmakers

16.30 - 17.15 MGC Symposium Lecture:
Angus Lamond (School of Life Sciences, University of Dundee): "The dynamic nucleus: temporal proteomics & in vivo imaging"

17.30 - 18.30 drinks

18.30 - about 22 h dinner with music by 'Hip Implant' (Laura - Ciska - Erwin - Remy - Daniël - Pepijn - Jaan Olle)

12th MGC-SYMPOSIUM

Thursday, September 19, 2002
Engels, Stationsplein 45, Rotterdam

Programme

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: F.G. Grosveld, chairman MGC

Chairman P. Verrijzer

10.05 - 10.25 Fernando Silva (Leiden): "Identification of *RUNX1/AML1* as a classical tumor suppressor gene."
10.25 - 10.45 Juan Arredondo (Leiden): "Role of the leukemia-associated AF10 protein in early *Drosophila* development"
10.45 - 11.05 Martijn de Jager (Rotterdam): "Architecture of the Rad50 protein complex: Implications for its function in DNA repair"
11.05 - 11.25 Barbara Godthelp (Leiden): "Homologous recombination guards genome integrity and plays a pivotal role in the cellular response to cross-links"

11.25 - 11.45 coffee/tea

Chairman J.H.J. Hoeijmakers

11.45 - 12.05 Igor Oruetebarria (Leiden): "SWI/SNF chromatin remodelling complex and human cancer"
12.05 - 12.25 Patrick Rodriguez (Rotterdam): "Characterisation of GATA-1 protein complex interactions and modification in erythroid cells"
12.25 - 12.45 Claudia Gaspar (Leiden): "Beta-catenin modulates stem cell differentiation in a dosage-dependent fashion"
12.45 - 13.05 Carola Haven (Leiden): "Gene expression profiling of parathyroid tumours"

13.05 - 14.30 lunch

Chairman L.H.F. Mullenders

14.30 - 14.50 Anna Akhmanova (Rotterdam): "Vesicle trafficking: Bic D and dynein"
14.50 - 15.10 Sandra Stekelenburg-de Vos (Rotterdam): "Hemodynamics and heart function in the chick embryo during the development of cardiovascular malformations"
15.10 - 15.30 Annemiek Aartsma-Rus (Leiden): "Development of *in vitro* en *in vivo* exon-skip therapy for Duchenne muscular dystrophy"
15.30 - 15.50 Mariette Schrier (Rotterdam): "Trafficking of the Fragile X Mental Retardation Protein in PC12 cells"
15.50 - 16.10 Hanne Meijers-Heijboer (Rotterdam): "*CHK2* 1100delC modifies breast cancer risk in the presence of as yet unknown breast cancer risk factors, but not of *BRCA1* or *BRCA2*"

16.10 - 16.30 coffee/tea

Chairman G.B.J. van Ommen

16.30 - 17.15 MGC Symposium Lecture:
Marc Vidal (Dana Farber Cancer Institute, Harvard Medical School): "Toward a proteome atlas for *C. elegans*"

17.30 - 18.30 drinks

18.30 - about 22 h dinner with music by Eline P. Slagboom (voice) and Trio 'Peter de Vries'.

11^e MGC-SYMPOSIUM

Monday, September 17, 2001

Congress centre Leeuwenhorst, Noordwijkerhout

Programme

9.00 - 10.00 coffee and registration

10.00 - 10.05 opening: P.H.M. Lohman, chairman MGC

Chairman J.H.J. Hoeijmakers

10.05 - 10.25 Esther Verhoeven "Damage recognition in nucleotide excision repair"

10.25 - 10.45 Michael van den Bosch "Recombinational repair in fission yeast"

10.45 - 11.05 Dejan Ristic "Architecture of protein-DNA complexes involved in recombination and its mechanistic implications"

11.05 - 11.25 Niels de Wind "Mutator and antimutator pathways: determinants of fitness and disease".

11.25 - 11.45 Coffee/tea

Chairman P. Verrijzer

11.45 - 12.05 Mehrnaz Ghazvini "Axonal regulation of the Oct-6 transcription factor during nerve development and regeneration"

12.05 - 12.25 Tokameh Mahmoudi "GAGA can mediate enhancer function by linking two separate DNA molecules"

12.25 - 12.45 Mariken de Krom "Gene activation: what are the chances?"

12.45 - 13.05 Gert Jansen "Taste perception"

13.05 - 14.30 lunch

Chairman B.A. Oostra

14.30 - 14.50 Mark Nellist "Characterisation of the Tuberin-Hamartin complex"

14.50 - 15.10 Peter Heutink "Search for genes involved in complex disorders in genetic isolates"

15.10 - 15.30 Peter de Knijff "The how and Y of population genetics"

15.30 - 15.50 Arja J. Kreeft "Expression profiling to identify novel dietary response genes involved in lipid metabolism"

15.50 - 16.10 Paul Eilers "Classification of microarrays with Penalized Logistic Regression"

16.10 - 16.30 coffee/tea

Chairman F. Grosveld

16.30 - 17.15 MGC Symposium Lecture:

Kim Nasmyth (Research Institute of Molecular Pathology, Vienna, Austria):
"Chromosome segregation in mitosis and meiosis"

17.15 - 19.15 drinks

19.15 - about 22 h dinner (with music by Clarinetchoir Clarity under direction of Rob Westerhof)

10th MGC-SYMPOSIUM

Thursday, September 21, 2000
Congress Centre "De Leeuwenhorst", Noordwijkerhout

Programme

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: P.H.M. Lohman, chairman MGC

Chairman J.H.J. Hoeijmakers

10.05 - 10.25 Judith Boer "Current possibilities with the DNA chip and micro-array technology in the MGC"

10.25 - 10.45 Beerend P. Hierck "Attenuation of chicken DGCR6, a candidate gene for the DiGeorge syndrome, leads to a partial DiGeorge phenotype"

10.45 - 11.05 Petra M.C. Callenbach "Genetics of idiopathic epilepsy"

11.05 - 11.25 Patrizia Rizzu "Mutation dependent aggregation of tau protein and its selective depletion from the soluble fraction in brain of FTDP-17 patients"

11.25 - 11.45 Judith van Deutekom "Towards the development of an alternative DMD gene therapy based on the antisense oligonucleotide technology"

11.45 - 12.05 Ron Smits "Mutations in the APC tumor suppressor gene cause chromosomal instability"

12.15 - 13.30 lunch

Chairman F. Grosveld

13.30 - 13.50 Casper Hoogenraad "CLIPs, CLASPs and (microtubule) behaviour"

13.50 - 14.10 David Whyatt "An intrinsic but cell nonautonomous defect in GATA-1 overexpressing mouse erythroid cells."

14.10 - 14.30 Marella de Bruijn "AML1, a key player in hematopoietic stem cell development"

14.30 - 14.50 Coffee/tea

Chairman B. Oostra

14.50 - 15.10 Marcel Volker "Spatial distribution of DNA repair enzymes in the nucleus after local irradiation of the nucleus with UV"

15.10 - 15.30 Vincent van den Boom "Cockayne syndrome B protein: from chromatin remodelling to nuclear dynamics"

15.30 - 15.50 Jasprina N. Noordermeer "Molecular and genetic analysis of nervous system development in Drosophila"

16.00 - 16.30 coffee/tea

Chairman G.J.B. van Ommen

16.30 - 17.15 MGC Symposium Lecture: E. (Eddy) Rubin, Genome Sciences Department, Lawrence Berkeley National Laboratory "Sifting Sequence for Function: Exploiting the Mouse"

17.15 - 19.00 drinks

19.00 - 22.00 dinner (with music by het Uit-strijkje)

9th MGC-SYMPOSIUM

Thursday, September 16, 1999,

Congress Centre "De Leeuwenhorst", Langelaan 3, Noordwijkerhout

9.00 - 10.00 coffee and registration

10.00 - 10.05 opening: P.H.M. Lohman, chairman MGC

Session Chairman J.H.J. Hoeijmakers

10.05 - 10.25 Lars Jansen "Employing yeast genetics: A global search for genes involved in transcription coupled repair"

10.25 - 10.45 Marijke van Oosten " Ultraviolet B-induced acute effects and carcinogenesis in DNA repair deficient mice"

10.45 - 11.05 Deborah Hoogstraaten "Dynamics of nucleotide excision repair in living cells"

11.05 - 11.25 Bert van der Horst "The mammalian biological clock: Cry is the essence"

11.25 - 11.45 Silvere van der Maarel "FRG2, a promising candidate gene for FSHD"

11.45 - 12.05 Rob Tollenaar " Prevalence of BRCA1 in a hospital-based population of Dutch breast cancer patients "

12.15 - 13.30 lunch

Session Chairman G.J.B. van Ommen

13.30 - 13.50 Angela A. G. van Tilborg "Chronological allelotyping of recurrent bladder cancers shows intrachromosomal instability and alternating allele loss"

13.50 - 14.10 Menno de Winther "Transgenic mice to study the role of the macrophage scavenger receptor in atherosclerosis"

14.10 - 14.30 Frans W. Verheijen "A novel anion transporter gene is mutated in sialic acid storage disease"

14.30 - 14.50 Coffee/tea

Session Chairman B.Oostra

14.50 - 15.10 C.I. de Zeeuw "Mouse model studies supporting LTD as the underlying mechanism of cerebellar motor learning "

15.10 - 15.30 Eric Milot "Transcriptional activation of the β globin locus and epigenetic modulation by variations of chromatin modifiers and transcription factors concentrations"

15.30 - 15.50 Peter Verrijzer "The *Drosophila* Brahma complex is an essential coactivator for the *trithorax* Group protein Zeste "

16.00 - 16.30 coffee/tea

MGC Symposium Lecture *Session Chairman F. Grosveld*

16.30 - 17.15 Nick Hastie, MRC Human Genetics Unit, Edinburgh "Wilms' tumour - a developmental problem; multiple roles for the Wilms' tumour suppressor, WT1"

17.15 - 19.00 drinks

19.00 - 22.00 dinner (music by 'Het Uit-Strijkje')

Programme

8th MGC-SYMPIOSIUM

Thursday, September 17, 1998, Noordwijkerhout

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: P.H.M. Lohman, chairman MGC

SESSION 1 Gene expression

Chairmen F. Grosveld / A.J. van der Eb

10.05 - 10.25 Menno Kielman "The role of the adenomatous polyposis coli tumor suppressor gene in development"
10.25 - 10.45 Manoussos Koutsourakis "GATA-6 and Early Embryonic Development"
10.45 - 11.05 Fokke Lindeboom "Overexpression of GATA-1 results in a non-autonomous inhibition of erythroid differentiation"
11.05 - 11.25 Ingrid Stec "WHSC1, a 90 kb gene expressed in early development with homology to the *Drosophila* dysmorphia gene ash1 maps in the Wolf Hirschhorn Syndrome critical region and is fused to IgH in t(4;14) multiple myeloma"

11.25 - 11.50 coffee

SESSION 2 Gene Instability

Chairman J.H.J. Hoeijmakers

11.50 - 12.10 Rolf Kooistra "Isolation and characterization of a fly strain deficient for the *Drosophila* RAD54 homolog, DmRAD54"
12.10 - 12.30 Susan Wijnhoven "The mouse *Aprt* locus; a versatile tool for *in vivo* LOH studies"
12.30 - 12.50 Volkher Scharnhorst "EGR-1 modulates the effect of the Wilms' tumor 1 gene product on tumorigenicity"

12.50 - 14.10 lunch

SESSION 3 Disease & Therapy

Chairmen B. Oostra / R.R. Frants

14.10 - 14.30 Jan de Boer "Symptoms of premature ageing in a mouse model for the DNA repair/ basal transcription syndrome trichothiodystrophy"
14.30 - 14.50 Rini de Crom "Human Plasma Phospholipid Transfer Protein has Anti-Atherogenic Properties – A Study in Transgenic Mice"
14.50 - 15.10 Ton van Agthoven "Identification of BCAR3 by a random search for genes involved in antiestrogen resistance of human breast cancer cells"
15.10 - 15.30 Peter Heutink "The MAP1A gene and fronto temporal dementia"
15.30 - 15.50 Marjolein van der Eb "Gene therapy for primary and secondary hepatic cancer"

16.00 - 16.30 coffee/tea

SESSION 4

Chairman G.J.B. van Ommen

16.30 - 17.15 MGC Symposium Lecture:
Charles R. Scriver, Alva Professor of Human Genetics, McGill University, Montreal, Canada "Simple inheritance, complex phenotype: PKU anew"

17.15 - 19.00 drinks

19.00 - 22.00 dinner (music by 'Het Uit_Strijkje')

MGC-SYMPIOSIUM

Thursday, September 18, 1997, Noordwijkerhout

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: D. Bootsma, chairman MGC

SESSION 1 Gene expression

Chairmen *F. Grosveld / A.J. van der Eb*

10.05 - 10.25 Anco Molijn "MN1_TEL, characterization of an altered transcription factor involved in myeloid leukemia"
10.25 - 10.45 Peter Bouwman "Functional analysis of Sp1 transcription factor family"
10.45 - 11.05 Hans van Dam "cJun zipper mutants in cell transformation studies"
11.05 - 11.25 Tolleiv Trimbom "The dynamics of β -globin gene transcription"
11.25 - 11.50 coffee

SESSION 2 Gene Instability

Chairmen *P.H.M. Lohman / G.J.B. van Ommen*

11.50 - 12.10 Jeroen Essers "Mouse Rad54 is involved in ionizing radiation resistance and homologous recombination"
12.10 - 12.30 Michiel van Oosterwijk "Nucleotide excision repair and its coupling to transcription"
12.30 - 12.50 Jan Boei "Radiation induced chromosomal aberrations in mammalian cells: analysis by fluorescence in situ hybridization"
12.50 - 14.10 lunch
14.10 - 14.30 Willemien van der Houven van Oordt "Modification of the tumor phenotype of Apc1638N mice by X-irradiation"

SESSION 3 Disease

Chairmen *H. Galjaard / R.R. Frants*

14.30 - 14.50 Agnes Bijvoet "A knock out mouse model of glycogen storage disease type II and enzyme therapy with human recombinant acid α -glucosidase from milk as first application"
14.50 - 15.10 Gisela Terwindt "Genetic heterogeneity in migraine"
15.10 - 15.30 Marjon van Slegtenhorst "Identification of the Tuberous Sclerosis 1 Gene on Chromosome 9q34"
15.30 - 15.50 Tamara Peelen "Mutation spectrum of BRCA1 in the Netherlands"
16.00 - 16.30 coffee/tea

SESSION 4

Chairman *J.H.J. Hoeijmakers*

16.30 - 17.15 MGC Symposium Lecture
Steve Jackson, Wellcome/CRC Institute, U.K. "Detection and repair of DNA double strand breaks"
17.15 - 19.00 drinks
19.00 - 22.00 dinner (music by 'Het Uit_Strijkje')

MGC-SYMPOSIUM

Thursday *19 september 1996* Noordwijkerhout

9.00 - 10.00 coffee and registration
10.00 - 10.05 opening: D. Bootsma, chairman MGC

SESSION 1 Genetic Diseases

Chairman G.J.B. van Ommen

10.05 - 10.25 Barbera Veldhuisen: Identification, cloning and mutation analysis of the PKD2 gene
10.25 - 10.45 Ron Smits: Genotype-phenotype correlations at the adenomatous polyposis coli (APC) gene: lessons from the targeted mouse models
10.45 - 11.05 Filippo Tamanini: Association of FMRP with ribosomal precursor particles in the nucleolus is indicative that FMRP is a ribosomal protein
11.05 - 11.25 Wouter de Laat: Xeroderma pigmentosum group F caused by a defect in a structure-specific DNA repair endonuclease

11.25 - 11.50 coffee

SESSION 2 Cellular Mechanisms

Chairman A.J. van de Eb

11.50 - 12.10 Tonnie Rijkers: Recombinational repair in higher eukaryotes
12.10 - 12.30 Astrid van Oorschot: CAV-derived apoptin induces apoptosis in human tumor cells.
12.30 - 12.50 Ko Willems van Dijk: The use of adenoviral vectors to study lipoprotein metabolism in transgenic mice

12.50 - 14.10 lunch

14.10 - 14.30 Adrie Havelaar: Sugar transporters of the lysosomal membrane

SESSION 3 Genetic Regulation

Chairman P.H.M. Lohman

14.30 - 14.50 Martine Jaegle: The POU factor Oct_6 is required for the progression of Schwann cell differentiation in peripheral nerves.
14.50 - 15.10 Alar Karis: GATA and haematopoiesis
15.10 - 15.30 Elaine Dzierzak: The AGM region: the missing link in mammalian hematopoiesis
15.30 - 15.50 Monique Duyndam: Activation of the c_jun promoter by 12S E1A is mediated by ATF_2 and ATF α .

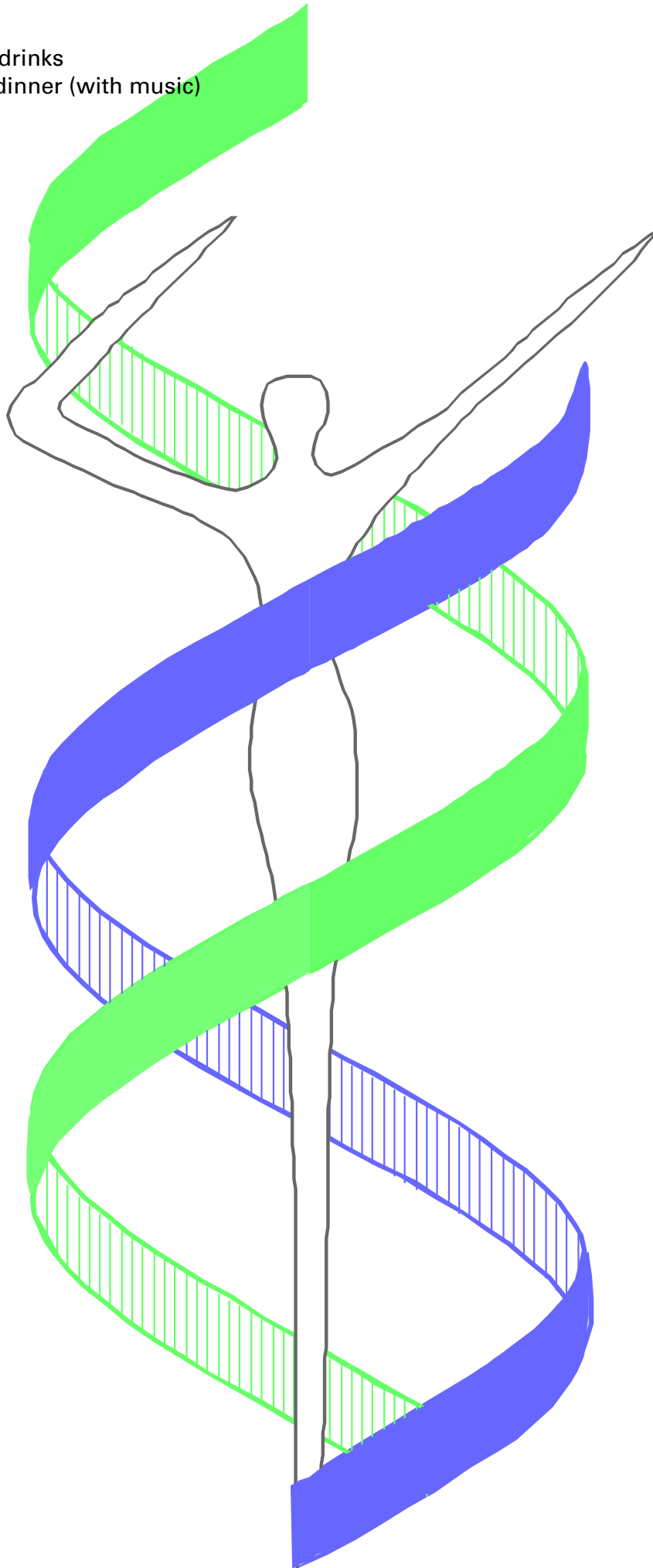
16.00 - 16.30 coffee/tea

SESSION 4

Chairman F.G. Grosveld

16.30 - 17.15 MGC Symposium Lecture : Prof. Sir Alec Jeffreys (Univ. of Leicester, U.K.): Spontaneous and induced tandem repeat instability in the human genome

17.15 - 19.00 drinks
19.00 - 22.00 dinner (with music)



MGC SYMPOSIUM
Thursday, September 14, 1995
LEEUWENHORST CONGRESS CENTRE, Noordwijkerhout

9.00 - 10.00 coffee and registration

10.00 - 10.05 opening: D. Bootsma, chairman MGC

SESSION 1 The Genome in Action

Chairmen P.H.M. Lohman and D. Bootsma

10.05 - 10.25 Mark Wijgerde: Globine gene transcription.

10.25 - 10.45 Roeland W. Dirks: Nuclear organization of RNA processing and transport.

10.45 - 11.05 Janice Pérez: High resolution NMR studies on a human guanine nucleotide exchange factor, the C-terminal domain of elongation factor, EF-1 β .

11.05 - 11.25 Govert Schouten: Regulation of transcription factor NF κ B in adenovirus transformed cells; implications for MHC class I expression.

11.25 - 11.45 Avi Shvarts: Isolation and characterization of mdm-x, a new p53-associating protein.

11.45 - 12.05 Stefan van den Eijnde: Annexin 5: a new marker for in situ detection of apoptotic cell death during embryogenesis.

12.15 - 13.30 lunch

SESSION 2 The Disrupted Genome

Chairmen H. Galjaard and G.J.B. van Ommen

13.30 - 13.50 Arnolda van Dalen: Spontaneous mutation rates and molecular mechanisms of loss of heterozygosity in human cells *in vitro* using HLA target loci.

13.50 - 14.10 Diane van Opstal: Rapid detection of chromosomal abnormalities in uncultured amniocytes with fluorescent *in situ* hybridization.

14.10 - 14.30 Fred Petrij: Single gene for Rubinstein-Taybi Syndrome on chromosome 16 identified: the transcription co-activator CBP.

14.30 - 14.50 Nelleke Gruis: Common p16 mutations in Dutch FAMMM families.

14.50 - 15.10 Geert Weeda: Transgenic mice as models for studying DNA repair syndromes.

15.10 - 15.30 Pieter Jan Blommaart: The role of thyroid hormone and its receptors on lung development.

15.30 - 15.50 Frits Fallaux: *In vivo* gene therapy with recombinant adenovirus-based vectors.

16.00 - 16.30 coffee/tea

SESSION 3

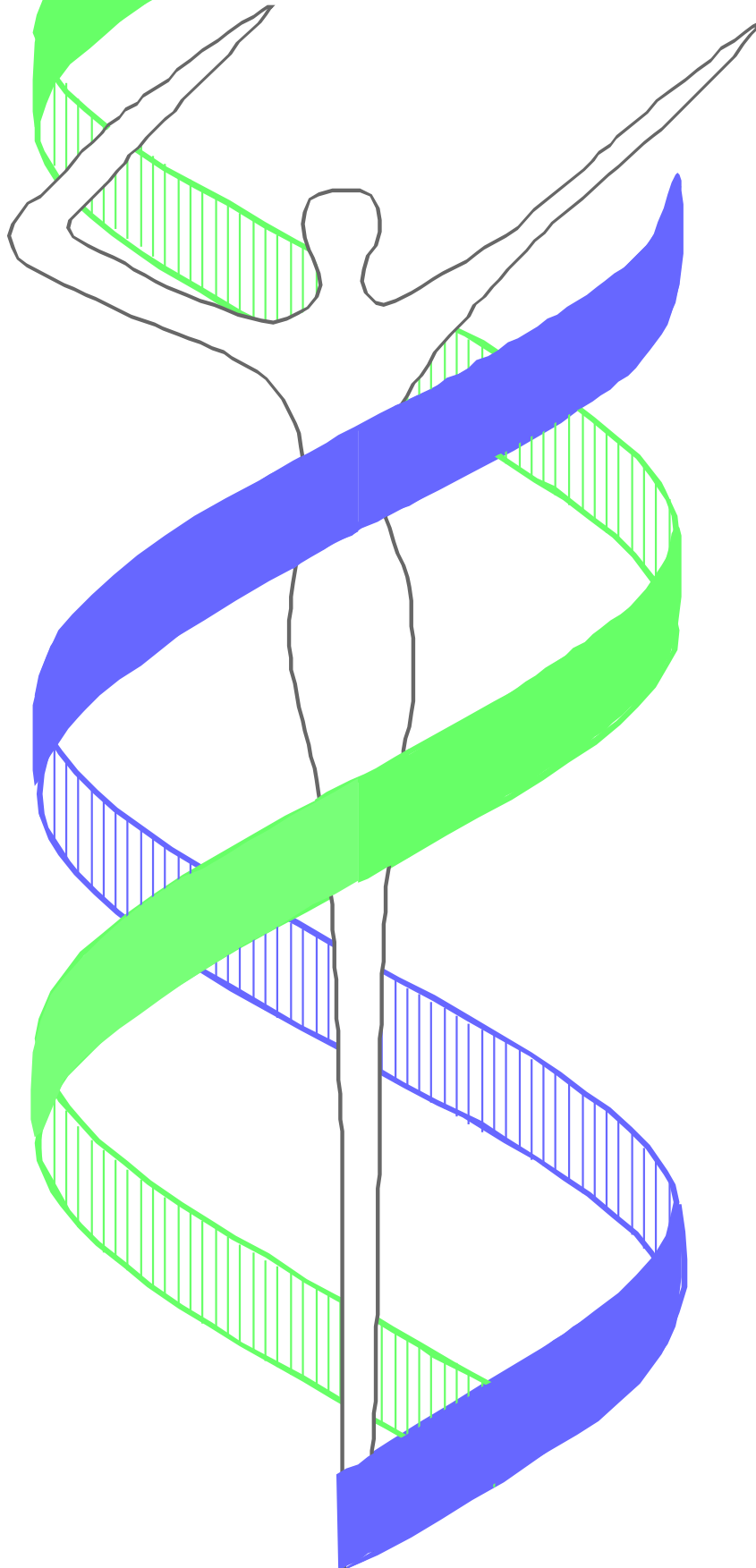
Chairman F.G. Grosveld

16.30 - 17.15 MGC Symposium Lecture :

Charles Weissmann (University of Zürich): The molecular biology of prion disease.

17.15 - 19.00 drinks

19.00 - 22.00 dinner (music: Salonorkest 'The Nymphs and their Satyr')



MGC SYMPOSIUM

Thursday, September 15, 1994

LEEUWENHORST CONGRESS CENTRE, Noordwijkerhout

9.00 - 10.00 coffee and registration

10.00 - 10.05 Opening: D. Bootsma, chairman MGC

SESSION 1 Genetic Damage Chairman A.J. van der Eb

10.05 - 10.25 R. Verhage: Differential Repair in Yeast

10.25 - 10.45 T. van Laar: The role of P53 in DNA Damage Mediated Cell Cycle Arrest

10.45 - 11.05 E. Mientges: DNA Adducts and Mutations induced by Ethylating Agents in δ *lac Z* Transgenic Mice

SESSION 2 Gene Expression Chairman F.G. Grosveld

11.05 - 11.25 S. Philipsen: Functional Analysis of LCR-promotor interactions

11.25 - 11.45 M. Wijgerde: Detection of specific gene transcription in single cells as applied to the developmental regulation of human β -globin gene switching.

11.45 - 12.05 R. Zwart: Expression of the POU factor Oct_6 during mouse embryonal development

12.15 - 13.30 lunch

SESSION 3 Genes and Development Chairman H. Galjaard

13.30 - 13.50 M.J.H. Peters van der Sanden: Hindbrain neural crest development and related congenital malformations

13.50 - 14.10 M. Broekhuizen: Altered haemodynamic parameters in the presence of impaired parasympathetic innervation of chick hearts after treatment with all-trans retinoic acid.

SESSION 4 Genes and Chromosomes Chairman P.H.M. Lohman

14.10 - 14.30 B. Janssen: Tuberous Sclerosis

14.30 - 14.50 J. Roelfsema: The Isolation and Identification of the PKD1-gene

14.50 - 15.10 E.C. Zwarthoff: Characterization of MN1, an enigmatic Cancer Gene

15.10 - 15.30 J. den Dunnen: High Resolution DNA Fiber-FISH: Visualization of Replication Structures

15.30 - 15.50 C.E. Bakker: FMR1 knockout mice: a model to study fragile X mental retardation

16.00 - 16.30 coffee/tea

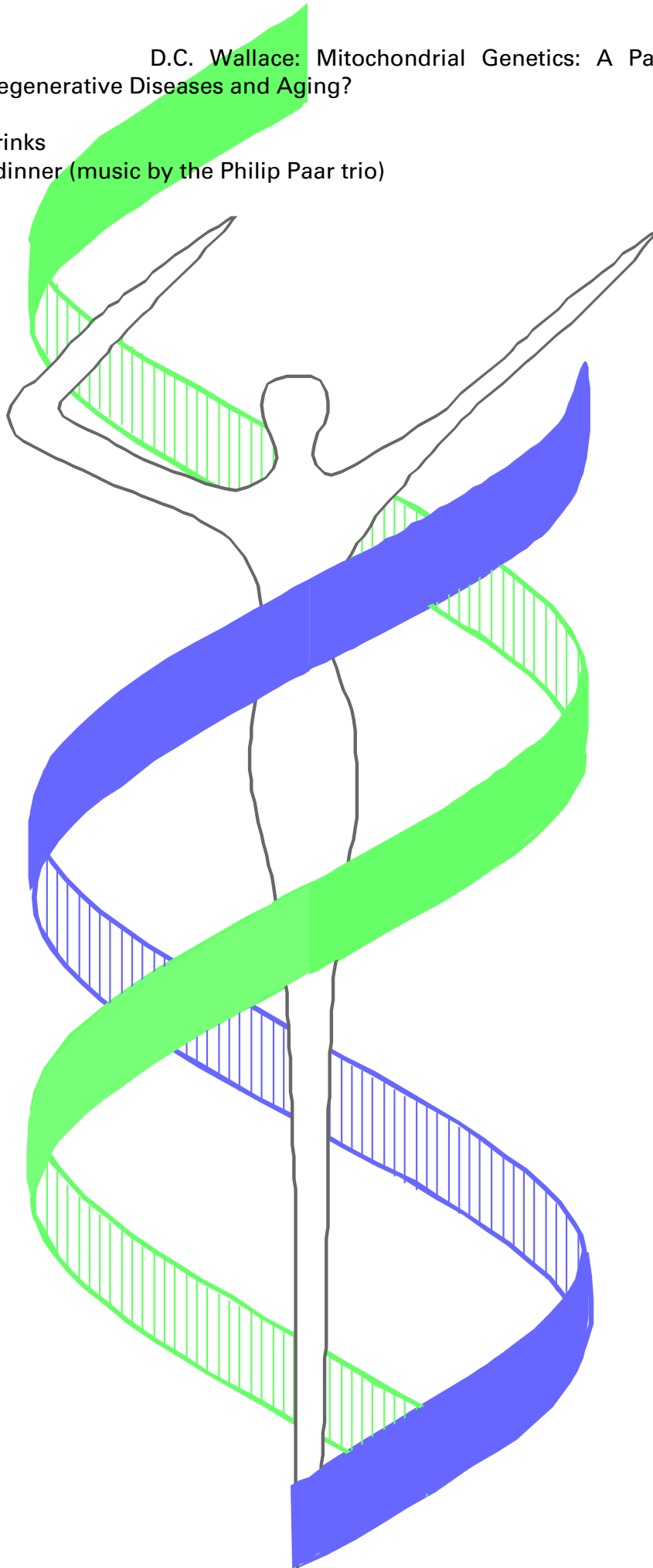
SESSION 5 Chairman G.J.B. van Ommen

16.30 - 17.15 MGC Symposium Lecture :

D.C. Wallace: Mitochondrial Genetics: A Paradigm for Degenerative Diseases and Aging?

17.15 - 19.00 drinks

19.00 - 22.00 dinner (music by the Philip Paar trio)



Programma
MGC-SYMPIOSIUM

donderdag 16 september 1993

Noordwijkerhout (Congrescentrum Leeuwenhorst, Langelaan 3).

- 9.00 - 10.00 koffie en registratie (Foyer en omloop)
Posters kunnen worden opgehangen op de borden in de Foyer en omloop.
- 10.00 - 10.05 opening: D. Bootsma, voorzitter MGC
SESSION 1: Chairmen F. Grosveld/A.J. van der Eb
Section 1A: DNA Repair Mechanisms
- 10.05 - 10.30 W. Vermeulen - DNA repair and transcription
Section 2G: Gene therapy
- 10.30 - 10.50 R.C. Hoeben - Gene therapy for hemophilia: strategies and status
10.50 - 11.10 B.J. Scholte - Towards gene therapy for cystic fibrosis
Section 2D: Congenital malformations and abnormal embryonic development
- 11.10 - 11.40 P. Fraser - The role of the human β globin LCR in controlling developmental gene expression
Section 1C: Cellular and viral oncogenes
- 11.40 - 12.05 F.P. Lohman - SPRR genes: a new class of keratinocyte differentiation markers
Section 1D: Cancer cytogenetics
- 12.05 - 12.30 R.E. Kibbelaar - Clonality, trisomies and heterogeneity in myelodysplastic syndromes and chronic lymphocytic leukaemias: application of DNA in situ hybridization
- 12.30 - 13.45 lunch (E-restaurant en zaal C6)
- SESSION 2: Chairmen P.H.M. Lohman/G.J.B. van Ommen**
Section 2A: Identification and characterization of disease-linked genes
Section 2B: Genome mapping and analysis of genome structure
- 13.45 - 14.10 C. Verhey - Characterisation of the FMR1 gene and protein
14.10 - 14.30 P. Roest - The protein truncation test (PTT): a detection system for stop codon mutations and application in Duchenne Muscular Dystrophy
Section 1B: Heritable tumors and tumor suppressor genes
- 14.30 - 14.50 R. van der Luijt - Presymptomatic diagnosis of familial adenomatous polyposis for the prevention of colorectal cancer
Section 2C: Cell biological, molecular and genetic aspects of cardio-vascular disease
- 14.50 - 15.15 B. Vlijmen - Diet induced hyperlipoproteinemia and atherosclerosis in apoe3leiden transgenic mice
Section 1B: Heritable tumors and tumor suppressor genes
- 15.15 - 15.35 A. Menke - Tumorsuppression of adeno-transformed kidney cells by chromosome 11: involvement of the WT1 gene?
Section 3A: Molecular dosimetry and biological endpoints
- 15.35 - 16.00 J. Jansen - Molecular analysis of DNA adducts and mutations in rat cells in vitro and in vivo.
- 16.00 - 16.30 Koffie en thee (Foyer en omloop)
- SESSION 3: Chairman H. Galjaard**
MGC Symposium Lecture :
H.J. Evans: Genetic Factors in Cancer
- 17.15 - 19.00 borrel (Lounge)
19.00 - 22.00 Indonesisch buffet; muzikale omlijsting door het Philip Paar Trio (Ronde)

MGC SYMPOSIUM
Thursday, September 17, 1992
LEEUWENHORST CONGRESS CENTRE
Noordwijkerhout

9.00 - 10.00 coffee & registration
10.00 - 10.05 opening (D. Bootsma, chairman MGC)

RESEARCH CLUSTER: GENETICAL AND CONGENITAL DISORDERS (Chair: G.J.B. van Ommen)

Section: Identification and Characterization of Disease-linked genes
Gene Mapping and Analysis of Genome Structure

10.05 - 10.15 G.J.B. van Ommen - Introduction to European Genome project
10.15 - 10.30 K. de Rooij - Search for the Huntington gene
10.30 - 10.45 C. Wijmenga - Mutations in FSH muscular dystrophy gene
10.45 - 11.05 P. Heutink - Genetic imprinting in Hereditary paraganglioma's
Section: Congenital Malformation and Abnormal Embryonic Development
11.05 - 11.30 M.J. Vaessen - CRABP and RA-induced malformations
Section: Lysosomal Storage Diseases
11.30 - 12.00 A. d'Azzo - Biogenesis of protective protein
Working group: In situ hybridization
12.00 - 12.30 H. Dauwerse - Inversion chromosome 16 in ANLL and microdeletions associated with Rubinstein-Taybi syndrome
12.30 - 13.45 lunch

RESEARCH CLUSTER: GENETIC TOXICOLOGY OF RADIATION AND CHEMICAL AGENTS (Chair: P.H.M. Lohman)

13.45 - 14.10 A.T. Natarajan - Biological dosimetry of absorbed radiation dose in accidents
14.10 - 14.25 A. Vink - Detection of dimers in skin of mice
14.25 - 14.40 H. Ruven - Gene specific repair of dimers

RESEARCH CLUSTER: THE GENETIC BASIS OF CANCER

(Chair: A.J. van der Eb)

Section: DNA Repair Mechanisms

14.40 - 15.05 C. Troelstra - Genetic defect(s) in Cockayne syndrome
Section: Cellular and Viral Oncogenes
15.05 - 15.30 M. Fornerod - Molecular analysis of t(6;9) in ANLL
Section: Heritable Tumors and Tumor Suppressor Genes
15.30 - 15.55 P. Devilee - Gene predisposing for breast and ovary cancer on the long arm of chromosome 17
15.55 - 16.30 coffee/tea
16.30 - 17.15 MGC Symposium Lecture (Chair: H. Galjaard)
H. Dupuis: Gen-etica
17.15 - 19.00 drinks/get-together
19.00 - 22.00 buffet and music (coordinators H. Ruven and R.J. Galjaard)

MGC SYMPOSIUM
Thursday, 19th September, 1991
LEEUWENHORST CONGRES CENTRE
Langelaan 3, Noordwijkerhout

9.30-10.15 coffee & registration

10.15-10.30 opening (Prof. D. Bootsma, chairman MGC)

10.30-12.30 RESEARCH CLUSTER GENETIC BASIS OF CANCER (Chair: Prof.

A.J. van der Eb)

10.30-11.00 *Section: DNA Repair Mechanisms:*

J.H.J. Hoeijmakers - Molecular genetic analysis of DNA repair genes

A.A. v. Zeeland - Analysis of gene-specific repair and mutations

11.00-11.30 *Section: Hereditary Tumor and Tumor Suppression*

A.G. Jochemsen - Introduction Genetically determined tumors and tumor suppression

R. Fodde - Molecular aspects of presymptomatic diagnosis of familial adenomatous polyposis (FAP)

R.H. Lecanne Deprez - Isolation and characterization of genes involved in meningioma (NF2)

11.30-12.00 *Section: Cellular and Viral Oncogenes*

Working Group: Transcription Factors in Differentiation and Carcinogenesis

H. van Dam - Differential effects of adenovirus E1A on members of the AP-1 transcription factor family

12.00-12.30 *Section: Cancer Cytogenetics*

Working Group: In Situ Hybridization

A.K. Raap - Methods and applications in molecular cytogenetics

12.30-13.45 lunch

13.45-16.15 RESEARCH CLUSTER: GENETIC AND CONGENITAL DISORDERS

(Chair: Prof. G.B. van Ommen)

13.45-14.45 *Sections: Identification and Characterization of Disease-linked genes*

Gene Mapping and Analysis of Genome Structure

G.J.B. van Ommen - Introduction to genetic diseases and genome structure

A. Verkerk - Progress in Fra(X) research

J.T. den Dunnen - Reconstruction of the 2-5 Mb DMD gene on one YAC by homologous recombination

14.45-15.15 *Section: Cell Biological, Molecular and Genetic Aspects of Cardiovascular Disease*

L. Havekes - Molecular aspects of cholesterol metabolism in relation to the development of premature atherosclerosis

15.15-15.45 coffee/tea

15.45-16.15 *Section: Congenital Malformation and abnormal embryonic Development*

J.H.C. Meijers - Molecular analysis of neural crest development

16.15-16.45 RESEARCH CLUSTER: GENETIC TOXICOLOGY OF RADIATION AND CHEMICAL AGENTS (Chair: Prof. P.H.M. Lohman)

16.15-16.45 *Section: Molecular Dosimetry and Biological Endpoints*

R.A. Baan - Introduction Genetic Toxicology

M. Nivard - Structure effect relationship of genotoxic agents in *Drosophila*

16.45-17.45 drinks/get together

18.00-22.30 Indonesian Buffet with music by "Gheselschap Goet ende Fyn"