

# DISPUTATIONER I GENETIK VID LUNDS UNIVERSITET

## Doktorsgrad

- 1921 Hans Rasmuson: Beiträge zu einer genetischen Analyse zweier *Godethia*-Arten und ihrer Bastarde.
- 1921 Carl Hallqvist: The inheritance of the flower colour and the seed colour in *Lupinus angustifolius*.
- 1922 Göte Turesson\*: The genotypical response of the plant species to the habitat.
- 1924 Carl Hammarlund\*: Zur Genetik, Biologie und Physiologie einiger Erysiphaceen.
- 1925 Olof Tedin: Vererbung, Variation und Systematik in der Gattung *Camelina*.
- 1925 Gunnar Nilsson-Leissner: Beiträge zur Genetik von *Triticum spelta* und *Triticum vulgare*.
- 1926 Karl Kristofferson: Species crossings in *Malva*.
- 1927 Johan Rasmuson: Genetically changed linkage values in *Pisum*.
- 1930 Arne Müntzing: Outlines to a genetic monograph of the genus *Galeopsis*. With special reference to the nature and inheritance of partial sterility.
- 1932 Joel Axelsson: Variation and heredity of some characters in White Leghorns, Rhode Island Reds and Barnevelders.
- 1933 Fredrik Nilsson: Studies in fertility and inbreeding in some herbage grasses.
- 1935 Åke Gustafsson\*: Studies on the mechanism of parthenogenesis.
- 1935 Albert Levan: Zytologische Studien an *Allium schoenoprasum*.
- 1940 Herbert Lamprecht: Die Artgrenze zwischen *Phaseolus vulgaris* L. und *Phaseolus multiflorus* Lam.
- 1941 Erik Åkerberg: Cytogenetic studies in *Poa pratensis* and its hybrid with *Poa alpina*.
- 1943 Ingvar Granhall: Genetical and physiological studies in interspecific wheat crosses.
- 1943 Åskell Löve: Cytogenetic studies on *Rumex*, subgenus *Acetosella*
- 1944 Gösta von Rosen: Artkreuzungen in der Gattung *Pisum*. Insbesondere zwischen *P. sativum* L. und *P. abyssinicum* Braun.
- 1944 Helge Johnsson: Meiotic aberrations and sterility in *Alopecurus myosuroides* Huds.

- 1944 Doris Löve: Cytogenetic studies on dioecious *Melandrium*.
- 1944 Robert Lamm: Cytogenetic studies in *Solanum*, sect. *Tuberarium*.
- 1946 Kåre Frøier: Genetical studies on the chlorophyll apparatus in oats and wheat.
- 1951 Gunnar Östergren: The mechanism of co-orientation in bivalents and multivalents. The theory of orientation by pulling.
- 1953 Arne Hagberg: Studies on heterosis.
- 1955 Peter Bernström: Cytogenetic studies in *Lamium*.
- 1956 Antonio Lima-de-Faria: Fine structure of the kinetochore and of the arms and its bearing on chromosome organization.
- 1956 Olov E.V. Gelin: Problems relating to plant breeding by means of mutation.
- 1956 Nils Nybom: Studies on radiation-induced mutations in barley.
- 1957 Olof Bosemark: Studies on accessory chromosomes in grasses.
- 1958 Arne Lundqvist: Studies on selfincompatibility in rye, *Secale cereale* L.
- 1958 Sunando Bose: Aberrations in the nucleolar chromosome of inbred rye.
- 1959 Sune Fröst: Studies on accessory chromosomes in some plant species.
- 1960 Kjell Lindqvist: Studies in wild and cultivated lettuce.
- 1960 Gösta Olsson: Studies on some plant breeding problems in *Brassica* and *Sinapis*.
- 1963 Waheeb K. Heneen: Karyotype studies, chromosomal behaviour and aberrations in some species and hybrids in the tribe *Hordeae*.
- 1963 Yngve Melander: Cell differentiation and delayed separation of anaphase chromosomes.
- 1963 Thore Denward: The function of the incompatibility alleles in red clover (*Trifolium pratense* L.).
- 1964 Bertil Hall\*: Mongolism in newborns : a clinical and cytogenetic study.
- 1966 Warren W. Nichols: Studies on the role of viruses in somatic mutation.
- 1966 Gerhard Holm: Studies on chlorophyll mutations in barley: the genetic basis of chlorophyll mutations.
- 1967 Charles A. Panton: Breeding of lucerne, *Medicago sativa* L., for resistance to *Verticillium albo-atrum* Rke. et Berth.
- 1967 Joachim Mark\*: Chromosomal patterns in Rous sarcomas in mice.

- 1968 Juhon Reitalu: Chromosome studies in connection with sex chromosome deviations in man.
- 1968 Rei Kato: Chromosomal studies on carcinogenesis in the Chinese hamster.
- 1969 Göran Persson: Genetic analysis of a quantitative character, ear internode length, in barley
- 1969 Einar Vigfússon: On polyspermy in the sunflower.
- 1970 Gunhild Beckman: Genetics of human placental phosphatases.
- 1970 Gunnar Ising: Evolution of karyotypes in *Cyrtanthus*.
- 1971 Sven Asker: Studies in apomictic and sexual *Potentilla* L.
- 1971 Jan Sjödin: Studies on induced mutations in *Vicia faba* L.
- 1971 Ingrid Granberg\*: Chromosomes in preinvasive, microinvasive and invasive cervical carcinoma.
- 1972 Felix Mitelman\*: The chromosomes of Rous rat sarcomas.
- 1972 Karl Fredga: Chromosome studies in mongooses (Carnivora, Viverridae).
- 1972 Lars Munck: Improvement of nutritional value in cereals.
- 1974 Úlfur Árnason: Phylogeny and speciation in Pinnipedia and Cetacea: a cytogenetic study.

\* Disputerade formellt i annat ämne än ärftlighetslära/genetik

## Doktorsexamen

- 1970 Carl Ludvig Kiellander: Studies on populations in *Picea abies* (L.) Karst. with special regard to growth and frost resistance.
- 1970 Knut Mikaelson: Studies on physical and chemical mutagenesis in plants.
- 1971 Ogugua Nwankiti: Cytogenetic and breeding studies with Brassica hybrids.
- 1972 Ove Hall: Fysiologiska och biokemiska undersökningar av naturliga och inducerade polyploida växtarter.
- 1972 Stig Blixt: Mutation genetics in *Pisum*.
- 1972 Rubén Sosa Chávez: Use of dihaploids in the breeding of *Solanum tuberosum* L.
- 1973 Arnulf Merker: Cytogenetiska undersökningar av hexaploida rågveten.
- 1974 Inger Ekberg: Studies om meiosis and induced sterility in barley.
- 1974 Irena Klášterská: Studies in the cytology of the genus *Rosa*.
- 1974 Alena Jonsson: Studier över meiosen hos gran (*Picea abies* (L.) Karst.)
- 1974 Felix Mitelman: Chromosome changes and tumor etiology.
- 1975 Anna Weimarck: Cytogenetic problems in octoploid Triticale.
- 1975 Göran Levan: Cytogenetic studies in experimental rat sarcomas.
- 1975 Talukdar O. Haider: Usefulness of certain diallel analyses under normal and deviating conditions: A model experiment using diallel crosses between erectoid mutants of the barley variety Bonus.
- 1976 Karin Nielsén: Cytogenetical and experimental investigations in the Ehrlich-Lette ascites tumor of the mouse.
- 1976 Karin Block: Chromosomal variation in Agromyzidae (Diptera).
- 1977 Beryl Hartley-Asp: Coffeine potentiation of the clastogenic effects induced by alkylating agents in plant, animal and human cells.
- 1977 Roland Jönsson: Breeding for improved oil and meal quality in Rape (*Brassica napus* L.) and Turnip Rape (*Brassica campestris* L.)
- 1978 Lars Dävring: Cytology of female meiosis in *Drosophila melanogaster* - Theory and applications.
- 1978 Otto Hansen: The genes of universal grammar.
- 1979 Alf Hansson: Associations between human acrocentric chromosomes.
- 1979 Nils Mandahl: Heterochromatin in mammals, with special reference to Erinaceus

- and Mustella.
- 1981 Dan Röhme: Cell ageing and longevity: Towards a model based on experimental studies in mammalian cell cultures.
- 1981 Anneli Tallberg: Characterization of high-lysine barley genotypes.
- 1982 Geirid Fiskesjö: Evaluations of short-term tests for toxicity and mutagenicity with special reference to mercury and selenium.
- 1984 Evert Johansson: Estimation of genetic components of variation in Sugar beets (*Beta vulgaris* L.) with special emphasis on epistatic interactions.
- 1984 Endashaw Bekele: Evolutionary gene variation and conservation in land race cereals.
- 1984 Ingrid Frykman: An electroforetic study of genetic differentiation in *Sorex*.
- 1985 Ulf H. Wiberg: The role of sex chromosomes and sex chromosomal genes in vertebrate sex determination.
- 1985 Christina Rudduck: Genetic markers and schizophrenia.
- 1985 A. Moneim Babu Fatih: Analysis of the breeding potential of wheat-Agropyron and wheat-Elymus derivatives.
- 1986 Bengt Widegren: Highly repetitive DNA in marine mammals.
- 1987 Karin Klinga: Aneuploidy in induced autotetraploid forage grasses.
- 1989 Brook Abebe: Lateral floret development in barley as affected by mutant genes.
- 1990 Donald Folkson: A revised genetic map of *Pisum sativum*.
- 1992 Mattias Höglund: The construction and use of interspecific somatic cell hybrids in reverse genetics: An approach to the analysis of the mouse genome with special reference to the mouse chromosome 17.
- 1992 Solveig Gretarsdottir: Molecular phylogeny of the order Cetacea (whales): Studies based on the common cetacean highly repetitive DNA component.
- 1992 Thomas Sidén: Interspecific somatic cell hybrids based on partial genome transfers: Applications for mapping and isolation of markers from defined chromosome regions in human and mouse.
- 1992 Marita Cohn: Studies on telomere-associated DNA sequences in *Chironomus pallidivittatus*.
- 1993 Susanne Pelger: The evolution and organization of multigene families

- exemplified by the hordein genes in barley.
- 1994 Nils-Otto Nilsson: Recombination frequencies, chiasma counts and the process of crossing over.
- 1995 Carlos Rovira: Centromere associated DNA in the dipteran insect *Chironomus pallidivittatus*.
- 1995 Christina Ledje: Phylogeny of Caniform Carnivores, with specific emphasis on Pinnipeds.
- 1996 Lena Nielsen: Telomeres in *Chironomus* - studies on structure and evolution.
- 1996 Svante Holm: Sexuality, apomixis and polyploidy: *Potentilla argentea* as a critical example.
- 1996 Xiufeng Xu: Studies of mammalian mitochondrial genomes with special emphasis on the Perissodactyla.
- 1997 He Hong: Organization of centromere associated DNA in *Chironomus pallidivittatus*.
- 1997 Anders Isaksson: Regulation of *Drosophila* Jun by phosphorylation and the ubiquitin system during eye development.
- 1997 Irene Kammert: Classes of DNA associated with telomeres in the Chironomids *C. pallidivittatus* and *C. tentans*.
- 1998 Ching Liao: DNA in centromeres of *Chironomus pallidivittatus*.
- 1998 Casimiro Castillejo-López: Repetitive DNA in search of a function - a study of telomeric and centromeric sequences in *Chironomus*.
- 1998 Christer Halldén: Characterization and Use of a Multiplex PCR-based System: Random Amplified Polymorphic DNA.
- 1999 Björn Ursing: Phylogeny of Artiodactyla and Cetacea - based on mitochondrial genomes.
- 1999 Ann-Sofie Rasmussen: Basal Vertebrate Divergences from a Molecular Perspective.
- 1999 Thomas Kraft: Linkage Maps in Studies of Genetic Variation - examples from *Beta vulgaris*.
- 1999 Anna Härlid: A New Perspective on Avian Phylogeny - a study based on mitochondrial genomes.

- 1999 Helene Andersson: Mitochondrial plasmids, genetic conflicts and sex-determination in *Silene vulgaris*.
- 1999 Suzette Kay Mouchaty: Mammalian Molecular Systematics with Emphasis on the Insectivore Order Lipotyphla.
- 2000 Alf Ceplitis: The Balance between Sex and Asex: Evolutionary Genetic Studies of Reproductive Variation in *Allium vineale*.
- 2001 Monika Rosén: Telomeric DNA in *Chironomus*, a naturally telomerase-free system.
- 2002 Johan Wahlin: RAP1 at the Yeast Telomere.
- 2002 Jenny Hagenblad: Sequence evolution in a chromosomal region of *Arabidopsis thaliana*.
- 2003 Anna Darabi: Immunohistochemical study of rats receiving immunotherapy with IFN $\gamma$  transfected glioma cells.
- 2003 Cecilia Brunhoff: Evolutionary History of the Root Vole (*Microtus oeconomus*) as revealed by Y Chromosome and Mitochondrial DNA Sequences.
- 2003 Lena Ghatnekar: Genetic Analysis of Cytosolic PGI in *Festuca ovina*.
- 2005 Mattias Jakobsson: Genome Divergence in Progress – a population genetic analysis of the allopolyploid *Arabidopsis suecica* and its maternal parent *A. thaliana*.
- 2006 Maria Nilsson: Marsupial mitogenomics.
- 2007 Anna Johansson: Detecting Deletions by Analysis of Genetic Markers in Pedigrees.

[Stommen till denna sammanställning upprättades i juni 2002 av B.O. Bengtsson med hjälp av tidigare listor från Genetiska institutionen. Informationen om nya doktorer har därefter löpande förts in av BOB. Titlarna på avhandlingarna för doktorsgrad är inlagda av Anna Tunlid i maj 2003. Smärre tryckfel i titlarna har i denna sammanställning rättats av BOB.]