

## Curriculum Vitae Cisca Wijmenga

Name	Cisca (Tjitske Nienke) Wijmenga
Email	<a href="mailto:c.wijmenga@umcg.nl">c.wijmenga@umcg.nl</a>
Date of birth	February 16, 1964
Sex	Female
Nationality	Dutch

### Academic qualifications

March 24, 1993	Ph.D. ( <i>Cum Laude</i> ) for thesis on 'Facioscapulohumeral muscular dystrophy: from genetic mapping towards gene cloning' Leiden University, the Netherlands.
October 27, 1988	Master's degree in Biochemistry and Human Genetics, Groningen University, the Netherlands

### Other qualifications

Jan 2005-June 2005	Academic Leadership course, Eva Wiltingh consultancy B.V.
Feb 2003-June 2003	Management course R.A.A.K. consultancy B.V.
Nov 1999-June 2000	Management course - Leadership skills, IBO Zeist
April 1996-Nov 1998	Basic university teacher training course BKO, Utrecht University, diploma awarded Nov 1998

### Employment

Since August 2017	Appointed to Lodewijk Sandkuijl Endowed Chair, University of Groningen Adjunct Professorship in Medicine at the University of Oslo, Norway (0.1 fte); and Principal investigator at K.G. Jebsen Coeliac Disease Research Centre, University of Oslo
Since January 2016	
Since January 2007	Full professor of Human Genetics, Department of Genetics, University Medical Centre Groningen, the Netherlands
Jan 2007-Dec 2016	Head of Department of Genetics, University Medical Centre Groningen, the Netherlands
May 2003-Jan 2007	Full professor of Human Genetics, Head of the Complex Genetics Section, Department of Biomedical Genetics, University Medical Centre Utrecht, the Netherlands
Sept 2001-March 2002	Fulbright scholar, National Human Genome Research Institute, NIH, Bethesda, USA
March 1999-May 2003	Associate professor, Department of Biomedical Genetics, University Medical Centre Utrecht, the Netherlands
Oct 1995-March 1999	Assistant professor, Department of Biomedical Genetics, University, Medical Centre Utrecht, the Netherlands
Jan 1994-Oct 1995	Postdoctoral fellow working under Dr. FS Collins, National Human Genome Research Institute, NIH, Bethesda, USA
March 199-Jan 1994	Postdoctoral fellow working under Prof. RR Frants, Department of Human Genetics, Leiden University Medical Centre, the Netherlands
March 1989-March 1993	Postgraduate research towards PhD, supervisors Prof. RR Frants and Prof. GW Padberg, Leiden University Medical Centre, the Netherlands

### Administrative and management activities

Her research group currently includes 18 PhD students and 7 postdocs, representing 13 different nationalities. Some have their own funding, e.g. from China or Mexico, or have been awarded Dutch grants.

2017-present	Co-PI, Netherlands Organ-on-a-Chip Initiative (NOCI)
2015-present	Co-director BBMRI-NL2.0 (national biobank consortium)
2013-present	Board Member, University College Groningen, the Netherlands
2011-present	Project Leader for Nutrition and Health, in the Top Institute for Food and Nutrition (TIFN), the Netherlands

- 2007-2016 Head of the Genetics Department, University Medical Centre Groningen, the Netherlands (ten years)
- 2004-2007 Member of Management Team, Dept. of Medical Genetics, UMC Utrecht, the Netherlands
- 2003-2007 Head of the Complex Genetics Section, Department of Biomedical Genetics, University Medical Centre Utrecht, the Netherlands
- 1999-2000 Member of Management Team, Dept. of Medical Genetics, UMC Utrecht, the Netherlands

### Awards obtained

- 2018 United European Gastroenterology Research Prize (€100k)
- 2018 Knighted in the Order of the Dutch Lion
- 2017 Lodewijk Sandkuijl Endowed Chair, University of Groningen
- 2017 Appointed a member of the Fryske Akademy (Frisian Academy)
- 2017 Web of Science highly cited researcher (top 1%), also in 2014-2016
- 2016 Elected member of the Royal Holland Society of Sciences and Humanities (*KHMW*)
- 2015 2015 Best Manuscript Awards Circulation Research (for Fu et al. publication)
- 2015 Listed as one of the 100 most influential woman in the Netherlands (by national magazine *Opzij*)
- 2015 Spinoza award (Dutch equivalent of Nobel prize, €2.5M)
- 2014 *Joop Roels* Impact Award 2013 (awarded by the food industry to the research project with the highest impact on its innovation potential)
- 2013 Member of the Academia Europaea
- 2012 Visiting Scientist award from the Sigrid Jusélius Foundation (Finland)
- 2012 Member of the Dutch Royal Academy of Arts and Sciences (*KNAW*)
- 2009 Distinguished Visiting Scientist Stipend (Netherlands Genomics Initiative)
- 2005 VICI award (Netherlands Organization for Scientific Research)
- 2001 Fulbright Scholarship (Netherlands America Commission for Educational Exchange)
- 2001 Ter Meulen Fonds (Royal Academy of Arts and Sciences) Fellowship
- 2001 Netherlands Organization for Scientific Research Travel Award
- 1994 Visiting Fellowship Award (Fogarty) National Institute of Health, USA
- 1993 J.C. Kok Award - annual award by the Medical School, Leiden University, for the best young researcher in the medical sciences (< 40 years)
- 1993 “Neuromuscular disorders” Award - annual award by the Research Foundation for Neuromuscular Disorders for the best scientific manuscript in this field

### Grants obtained (total sum over €30 million) Completed projects are indicated with an \*

- 2017 NWO Gravitation grant: Netherlands Organ-on-a-Chip Initiative (co-PI; total grant €18 million)
- 2016 K.G. Jebsen Centre for Coeliac Research, Oslo (1 postdoc for 2 years awarded to Prof. C. Wijmenga as co-PI)
- 2015 University of Groningen Investment Agenda grant for “Personalized Health” (€2,973,300)
- 2015 NWO Spinoza grant SPI-92-266 (personal award of €2.5 million)
- 2014 BBMRI-NL2.0: The NL-Biobank Research Facility, NWO National Roadmap for Large-Scale Research Facilities (€9,843,000)
- 2013 ERC Advanced Investigator grant 322698: Celiac disease: from lincRNAs to disease mechanism (Awarded €2,319,914)
- 2013 EU KP7 grant: TANDEM 305279- Concurrent Tuberculosis and Diabetes Mellitus; unraveling the causal link, and improving care (Awarded to Prof. C. Wijmenga €395,000)
- 2011 \*The Dutch Digestive Diseases Foundation (*MLDS*) grant 11-30: Genetic risk profiling in individuals at-risk for coeliac disease (Awarded €117,000)
- 2011 Top Institute Food and Nutrition (GI001): validation of biomarkers for GI health (Awarded €4,500,000)
- 2010 \*BBMRI-NL grant RP1: the Genome of the Netherlands (Awarded €2 million)
- 2010 \**BSIK* grant: Coeliac Disease Consortium 2 (€675,000 awarded to Prof. C. Wijmenga as co-PI for a period of 3 years)
- 2009 \* National Institute of Health grant R21 DK84568-01: Characterizing the genetic architecture of childhood onset celiac disease using newly identified loci in a prospective cohort in the United States (Principal investigator Dr. E. Liu, Univ. Colorado, Aurora, USA; co-applicant Prof. C. Wijmenga. Awarded \$250,000)

- 2009 \*RuG/UMCG/FWN grant to set up the ‘Genomics Coordination Centre’ together with the faculty of mathematics and natural sciences (FWN) (Principal investigators Prof. C. Wijmenga and Prof. R.C. Jansen. Awarded €2.3 million)
- 2008 \* Netherlands Organisation for Health Research and Development (*ZonMW*) AGIKO grant 92003533: The role of CARD9 variations in ulcerative colitis (Awarded 1 MD/PhD position/2 years)
- 2008 \* Dutch Heart Foundation 2008B004: Searching for new candidate genes for intracranial aneurysms using a genome wide association study (Principal investigator Dr. Y. Ruigrok, UMC Utrecht; co-applicant Prof. C. Wijmenga. Awarded €230,000)
- 2008 \* Wellcome Trust grant WT084743MA: Extended genome-wide association study in coeliac disease (Principal investigator Dr. D. van Heel, Queen Mary University London, London, UK; co-applicant Prof. C. Wijmenga. Awarded £1.1 million)
- 2007 \* EU KP7 grant 201379: COPACETIC - COPD Pathology: Addressing Critical gaps, Early Treatment and Innovative Concepts (Awarded to CW 1 PhD position/4 years)
- 2007 \* UMCG innovation fund research grant: Implementatie van array CGH bij patiënten met mentale retardatie en/of multiple congenitale afwijkingen (awarded €105,000)
- 2007 \* EU STREP KP6 grant 036383: influence of the dietary history in the prevention of coeliac disease: possibilities of induction of tolerance for gluten in genetic predisposed children. PreventCD consortium (Awarded to Prof. C. Wijmenga, 1 PhD position/4 years)
- 2006 \* Dutch Diabetes Research Foundation (*DFN*) grant 2006.00.007: Combined genetic and genomic analysis in search for a diabetes susceptibility genes (Principal investigator Dr. T.W. van Haeften, UMC Utrecht; co-applicants Prof. M.H. Hofker, UMCG; Prof. C. Wijmenga, UMCG) (Awarded 1 PhD position/4 years)
- 2006 \* UMC Utrecht stimulation grant for international collaborations: Molecular pathogenesis of coeliac disease (together with a Polish partner, Dr. B. Cukrowska) (awarded €39,000)
- 2005 \* Netherlands Organization for Scientific Research (*NWO*) innovational research grant (VICI) 918.66.620: A genetic approach to common factors in inflammatory disorders, with a focus on the intestinal epithelial barrier (€1.25 million awarded)
- 2005 \* *IOP* genomics grant IGE05012: The role of inflammation in obesity-induced type 2 diabetes: towards new diagnostic markers and therapeutic targets (Principal investigator Prof. M.H. Hofker, Maastricht University; co-applicants Prof. C. Wijmenga, Dr. Y. van der Schouw, UMC Utrecht, Prof. W. Buurman, Maastricht University) (€1 million awarded to Prof. C. Wijmenga for period of 4 years)
- 2005 \* Grant from Coeliac UK: Genome-wide association studies in celiac disease (Principal investigator Dr. D. van Heel, Imperial College, London, UK; co-applicant Prof. C. Wijmenga. Awarded £300,000)
- 2005 \* Dutch Brain Foundation, grant 13F05.13 (Awarded €25,000)
- 2004 \* Grant from the Academic Biomedical Centre, Utrecht University, to establish SNP facility (Awarded €410,000, 1 research technician/5 years, plus purchase of Illumina Bead Station)
- 2004 \* Janivo foundation grant ((Awarded €11,000)
- 2003 \* *ZON-MW* program grant 40-00812-98-03106: Molecular regulation of copper excretion in the liver by Murr1 (Principal applicant Prof. C. Wijmenga. Co-applicant Dr. L. Klomp, UMC Utrecht. Awarded 1 PhD position/4 years, 1 postdoc/3 years)
- 2003 \* *BSIK* grant 03009: Coeliac Disease Consortium (€2.3 million awarded to Prof. C. Wijmenga as co-PI for a period of 6 years)
- 2003 \* The Dutch Digestive Diseases Foundation (*MLDS*) grant 03-06: Identification and characterization of the CELIAC4 gene: a major non-HLA locus for celiac disease located on chromosome 19 (Awarded 1 postdoc/2 years)
- 2002 \* *MLDS* grant 02-34: Dissection of copper excretion pathways in the liver: identification of new candidate genes for unknown copper-related liver disease (Principal applicant Prof. C. Wijmenga. Co-applicant Dr. L Klomp, UMC Utrecht. Awarded 1 PhD position/4 years)
- 2002 \* *ZON-MW* program grant 912-02-028: Celiac disease: a functional genomics approach to define molecular pathways (Principal applicant Prof. C. Wijmenga. Co-applicant Dr. F. Koning, LUMC. Awarded 2 PhD positions/4 years, 1 postdoc/2 years)
- 2001 \* International Copper Association (*ICA*) grant H-GL-01-08: Genetic mapping of the Indian Childhood Cirrhosis locus (Awarded 1 research technician/3 years)
- 2001 \* Netherlands Organization for Scientific Research (*NWO*) grant 902-22-204: Plotting the initiation and disease progression in celiac disease (Awarded 1 PhD position/4 years)
- 2000 \* The Dutch Digestive Diseases Foundation (*MLDS*) grant 00-13: Expression profiling in small

- intestinal biopsies of celiac disease patients (Awarded 1 postdoc/2 years)
- 2000 \* Netherlands Organization for Scientific Research (*NWO*) grant 901-04-219: Analysis of biological pathways from sequence and expression data using computational tools (Awarded 1 PhD position/4 years)
- 1999 \* Netherlands Organization for Scientific Research (*NWO*) grant 902-23-254: The role of the gene involved in non-Indian childhood cirrhosis (NICC) in mammalian copper metabolism (Awarded 1 PhD position/4 years)
- 1998 \* International Copper Association (*ICA*) grant TPT0551-98: Identification of the gene involved in endemic Tyrolean infantile cirrhosis (ETIC) and idiopathic copper toxicosis (ICT) (Awarded \$270,000)
- 1997 \* *DFN* grant 97.114: A total genome screen in Dutch Caucasian sibs with non-insulin dependent diabetes mellitus (Awarded 1 PhD position/4 years, 1 research technician/4 years)
- 1997 \* The Dutch Digestive Diseases Foundation (*MLDS*) grant 97-44: The genetic determinants of celiac disease (Awarded 1 PhD position/4 years)

### Teaching international courses

- 2012-2017 Annual Leena Peltonen School of Human Genomics, Cambridge, UK
- 2014 *Complex disease genetics*. European School of Medical Genetics, Bertinoro (Italy)
- 2013 *Two-week course in Complex genetics*. University of Sao Paulo (Brazil)
- 2009 *Risk map of intestinal inflammatory disorders*. Baltic Summer School: Genetic basis of medicine (University of Kiel, Germany)
- 2008 *The Role of DNA Polymorphisms in complex traits and diseases*. International conference of the Royal Dutch Academy of Arts and Sciences (Amsterdam, the Netherlands)
- 2008 *Multiple classes of genes leading to celiac disease*. Organised by the University Master of the Università Politecnica delle Marche (Ancona, Italy), the University of Maryland School of Medicine (Baltimore, USA) and the “Scuola Medica Salernitana” Foundation (Salerno, Italy)
- 2006 *The Role of DNA Polymorphisms in complex traits and diseases*. International colloquium of the Royal Dutch Academy of Arts and Sciences (KNAW, Amsterdam)
- 2005 *From genetic mapping to genomics*. Oporto, Portugal (1 week, with Prof. P. Heutink)
- 2003 *From genetic mapping to genomics*. Oporto, Portugal (1 week, with Prof. P. Heutink)
- 2002 *Human Genetic Disease Gene Mapping*. Oporto, Portugal (1 week, with P. Heutink and L.A. Sandkuijl†)
- 2001 *Human Genetic Disease Gene Mapping*. Oporto, Portugal (1 week, with P. Heutink)
- 1999 *Genetic Epidemiology*. Oporto, Portugal (1 week, with L.A. Sandkuijl†)

### Scientific committees

- Member of the Scientific Advisory Committee of the Estonian Genome Centre (as of 2018)
- Chair of the selection committee for the vice-president of the Royal Dutch Academy of Art and Sciences (KNAW) (2017)
- Member and vice-chair of ERC Advanced grant panel LS2D “Genetics, Genomics, Bioinformatics and Systems Biology” (since 2017)
- Member of the International Genome Sample Resource scientific advisory board (since 2015)
- Member of the Scientific Advisory Board Latvian Biomedical Research and Study Centre (since 2015)
- Member of the ‘new member’ selection committee of the Royal Dutch Academy of Arts and Sciences (KNAW) (since 2014)
- Member of ERC Consolidator grant panel LS2D “Genetics, Genomics, Bioinformatics and Systems Biology” (since 2014)
- Member of Physiology and Medicine Section, Academia Europaea (since January 2014)
- Member of the selection committee for the Young Dutch Academy of Sciences (KNAW) (2013, 2014)
- Program leader (together with Prof. Rinse Weersma) of the 3GI program, research institute GUIDE (since 2014)
- Member of the scientific advisory committee of the Dutch ALS foundation (since October 2012)
- Member of the selection committee for the Gottfried Wilhelm Leibniz Prize 2013 (Germany)
- Member of the scientific advisory committee ‘Career Development Grant’ of the Dutch Digestive Disease Foundation (*MLDS*) (2012-2015)
- Member Netherlands Bioinformatics Centre (NBIC) Young Scientist Award committee (2011, 2012)

- Member of the Netherlands Organization for Scientific Research (*NWO*) interdisciplinary VIDI committee (2012, 2013)
- Ad hoc member Prinses Beatrix Fonds Award jury (2009)
- Member and vice-chair of the Netherlands Organization for Scientific Research (*NWO*) committee on TOP grants (appointed November 2008)
- Member of the 2008 review panel of the Helmholtz-Programme "Systemic Analysis of Multifactorial Diseases", Germany
- Member of the *MLDS* scientific advisory council (2008-2012)
- Member of the Netherlands Organization for Scientific Research (*NWO*) committee on large equipment (2007-2011)
- Member 'Cell Biology and Genetics' committee, Flemish Foundation for Scientific Research (*FWO*), Belgium (Oct 2005 - Jan 2009)
- Member of the Research Institute for Diseases in the Elderly (RIDE) program committee (2004-2009)
- Member Fulbright selection committee 'Hard Sciences' (2003)
- Advisor to the Netherlands Organization for Scientific Research (*NWO*) committee on 'Nutrition and chronic diseases' (2002-2008)
- Board member ABC Master's course 'Genomics and Bioinformatics (2001-2006)
- Member, vice-chair and chair of the Netherlands Organization for Scientific Research (*NWO*) VIDI committee (2001-2006)
- Member of the Scientific Advisory Board of the Netherlands 'Groeistichting' (2001-2012)
- Member of Netherlands Organization for Scientific Research (*NWO*) committee on 'Biomolecular informatics' (2000-2003)

#### Organization of meetings

- Member of the Program committee of the FMWV's Medical Scientific Day 2013 on 'Next generation sequencing'
- Co-organizer of the 13<sup>th</sup> International meeting on Human Genome Variation and Complex Genome Analysis (HGV2012) (Shanghai, China, 2012)
- Co-organizer 2<sup>nd</sup> International ImmunoChip meeting (Montreal, Canada, 2011)
- Founder and organizer of the first 'Systems Genetics' meeting (Groningen, the Netherlands, 2009, 2011)
- Member of the Scientific Program Committee for the 'European Human Genetics Conference' (2007-11)
- Member of Scientific Organizing Committee for the 'XIII International Celiac Disease Symposium 2009' (Amsterdam, the Netherlands)
- Co-organizer of a monthly UMCG lecture series 'Molecular Medicine' (since March 2007)
- Co-organizer Royal Academy of Arts and Sciences (KNAW) Special Colloquium 'The Role of DNA Polymorphisms in Complex Traits and Diseases' (Amsterdam, the Netherlands, 2006, 2008, 2011)
- Co-organizer SNP-NL meetings
- Member of Scientific Organizing Committee for the '4th International Meeting on Copper Homeostasis and Its Disorders: Molecular and Cellular Aspects' (Ischia, Italy, 2004)
- Organiser and president Medical Scientific Day 2001 of the FMWV on 'Genomics and Bioinformatics' (Amsterdam, the Netherlands)
- Organizer of a monthly lecture series 'Utrecht Genetics Seminar' (1996-2006)

#### Other positions held

- Participant at the Evening of Science and Society (Ridderzaal, The Hague, 2013, 2015)
- Invited to participate in the Royal Palace symposium on "The Secrets of Life" (Amsterdam, 2013)
- Editorial board member *Human Genome Variation* (since 2014)
- Board Member, University College Groningen (since 2014)
- Reviewer for 'Honours Reviews', University of Groningen
- Member of the evaluation committee of a professor of Medicine at Harvard Medical School (USA)
- Member of the selection committee for a full professor in Human Genetics of the Medical Faculty of the Carl von Ossietzky University Oldenburg (European Medical School Oldenburg-Groningen) (Germany)
- Project leader for Nutrition and Health in the Top Institute for Food and Nutrition (TIFIN), appointed January 2011
- Leader of the Genome of the Netherlands project (GoNL)
- Finalist and 2<sup>nd</sup> prize winner, Academic Year Prize 2010, Gene Decoders team (*Academische Jaarprijs*,

*Genenkrakers*)

- Member of the committee of recommendation of the Femke Foundation (since 2009)
- Co-founder Genomics Coordination Center Groningen
- Member of the Genome of the Netherlands Consortium
- Member of the Lifelines Cohort Study
- Member of T1DGC (Type 1 Diabetes Genetics Consortium) antibody group
- Member of DIAGRAM (Diabetes Genetics Replication And Meta-analysis Consortium)
- Member of IBDGC (NIDDK Inflammatory Bowel Disease Genetics Consortium)
- Reviewer for ERC starting grant proposals
- Reviewer for Wellcome Trust Research Fellowships
- Reviewer for the Medical Research Council (MRC) Research grant applications, UK
- Reviewer FiDiPro application for the Academy of Finland
- Reviewer of applications to the Science and Technology Policy Council, Iceland
- Editorial board member *Gastroenterology and Hepatology From Bed to Bench* (since June 2010)
- Editorial board member *Clinical Genetics* (since September 2009)
- Editorial board member *Journal of Applied Genetics* (since March 2006)
- Editorial board member *HealthDirect Diabetes* (June 2006 - January 2008)
- Interim secretary *VVD* (a Dutch political party), district group Vleuten-de Meern (Mar 2000 - Jan 2001)
- Member of Dept. of Medical Genetics UMC Utrecht Management Team (January 1999 - April 2000, and May 2004 - January 2007)
- Member of 'Foundation for Integrated Welfare, Vleuten-de Meern' (Oct 1998 - Sept 2001)
- Member of many PhD thesis assessment committees, both national and international
- Member of working group on the 'Organization and Integration of the Clinical Genetic Center Utrecht with the University Hospital/Wilhelmina Children's Hospital' (March - Dec 1998)
- Abstract reviewer for the Digestive Disease Week (DDW), American Society of Human Genetics and United European Gastroenterology Week (UEGW)
- Reviewer for international journals (American Journal of Human Genetics, Biochimica et Biophysica Acta, BMC Bioinformatics, BMC Medical Genetics, Clinical Chemistry, Clinical Genetics, Diabetes, Diabetologia, European Journal of Human Genetics, Gastroenterology, Gene, Gut, Human Immunology, Human Molecular Genetics, Human Genetics, Journal of Medical Genetics, the Lancet, Liver International, Nature, Nature Genetics, Nature Reviews Genetics, Nederlands Tijdschrift voor Geneeskunde, Neurology, Neuromuscular Disorders, New England Journal of Medicine, Nucleic Acids Research, Placenta, PlosOne, PLoS Genetics, PLoS Medicine, Proc Natl Acad Sci USA, Science Translational Medicine, Tissue Antigens, Trends in Genetics, Trends in Immunology)
- Reviewer of national and international grant proposals (e.g. Dutch Diabetes Research Foundation (*DFN*), Dutch Heart Foundation (*NHS*), Dutch MS Research Foundation, European Research Council starting grants (*ERC*), IOP Genomics, Medical Research Council (*MRC*) UK, Muscular Dystrophy Group UK, *NWO*, Prinses Beatrix Fund (*PBF*), Research Grants Council Hong Kong, Reumafonds, The Wellcome Trust (UK), *ZON-MW*)

**Memberships**

- American Gastroenterology Association
- American Association for the Advancement of Science
- American Society of Human Genetics
- Dutch Society of Human Genetics
- European Society of Human Genetics
- Human Genome Organization
- Society for Mucosal Immunology

**Patents**

(WO/2008/110206) Method for determining a HLA-DQ haplotype in a subject (PCT/EP2007/052343)  
 (WO/2003/033734) Diagnostic tests for the diagnosis of copper storage disease (PCT/GB2002/004687)

**Current national collaborations with:**

Celiac disease                      Prof. C.J. Mulder, VU Medical Center, Amsterdam  
    Prof. F. Koning, Leiden              University Medical Center

IBD	Dr. L. Mearin, Leiden University Medical Center The Dutch Initiative on Crohn and Colitis (ICC)
Immunogenomics	Dr. R. Weersma, UMCG, Groningen Prof. M. Netea, Radboud University, Nijmegen

**Current international collaborations with:**

Celiac disease/IBD	Dr. R. Xavier, MGH/Harvard Medical School, Boston, USA Dr. D. Barisani, University of Milano Bicocca, Italy Dr. B. Jabri, Univ. of Chicago, USA Dr. L.M. Sollid, Univ. of Oslo, Norway
Genetic studies Consortia	Dr. M. Daly, MGH/Harvard Medical School, Boston, USA NIDDK-IBD (The National Institute of Diabetes and Digestive and Kidney Diseases NIDDK IBD) Genetics Consortium DIAGRAM (Diabetes Genetics Replication And Meta-analysis) Consortium IBC 50K consortium (vascular disease 50K SNP array consortium) TANDEM consortium

**Supervisor (promotor) of 43 PhD students who have completed their thesis**

8 have graduated *cum laude*; \* indicates medical doctors (MD); # indicates those who have become a professor (6), for a list of their current positions see [www.rug.nl/research/genetics/staff/ciscawijmenga/](http://www.rug.nl/research/genetics/staff/ciscawijmenga/). Their research funding is given in brackets, where applicable.

*Planned*

Isis Ricano Ponce, \* Marijn Visschendijk, Floris Imhann

*Completed*

- Alex Kanterakis, July 11, 2018: Integration techniques for modern bioinformatics workflows
- Juha Karjalainen, January 15, 2018: Gene expression studies. From basic research to the clinic.
- Marc Jan Bonder, March 22, 2017: The interplay between genetics, the microbiome, DNA-methylation & gene expression. Graduated *cum laude*
- Ettje Tigchelaar-Feenstra, December 14, 2016: From bugs to buttermilk: Epidemiological and molecular aspects of gut health (TiFN grant)
- Daria Zhernakova, September 12, 2016: Multi-omics approaches for better understanding of the downstream effects of genetic risk factors
- Serena Sanna, May 9, 2016: Enhancing genetic discoveries with population-specific reference panels
- \* Javier Gutierrez-Achury, MD, December 2, 2015: HLA and other tales: The different perspectives of Celiac Disease (graduate school GSMS/ERC)
- Barbara Hrdličková, May 11, 2015: Finding the missing 'LiNCs' in celiac disease (NWO VICI grant)
- Rodrigo Almeida, March 25, 2015: Beyond genome wide association studies in celiac disease by exploring the non-coding genome (fellowship CAPES Foundation, an agency in the Ministry of Education, Brazil)
- Michael Erdos, March 18, 2015: Genetic etiology of type 2 diabetes
- \* Guido Dolmans, MD, November 24, 2014: Genetic origin of Dupuytren's disease and associated fibromatosis
- Harm-Jan Westra, September 17, 2014: Interpreting disease genetics using functional genomics. Graduated *cum laude*
- \* Karin Fransen, MD, June 16, 2014: Inflammatory bowel disease: the genetic background and beyond
- \* Rian Nijmeijer, MD, April 10, 2014: Genetic aspects of acute pancreatitis
- \* Naishi Li, MD, December 11, 2013: Novel mechanisms for prevention and treatment of type 2 Diabetes
- Joanna Smolonska, October 9, 2013: The many faces of chronic obstructive pulmonary disease (EU grant)
- \*,# Ezra Burstein, MD, May 23, 2013: COMMD1: a modulator of immunity and NFkB activity
- Marcel Wolffs, October 31, 2012: Transcriptome analysis to investigate the link between obesity and its metabolic complications: type 2 diabetes and NASH (DFN grant)
- Agata Szperl, September 12, 2012: Mapping complex and monogenetic disorders: methods and applications (NWO VICI grant)
- \* Maciej Geremek, MD, June 13, 2012: The classical genetic and genomic approach to the pathogenesis of primary ciliary dyskinesia (grant between UMC Utrecht and Polish Academy of Sciences)

21. Gosia Trynka, December 14, 2011: Unlocking the genetics of coeliac disease (NWO VICI grant)  
Graduated *cum laude*
22. Jihane Romanos, December 12, 2011: Genetics of celiac disease and its diagnostic values (EU grant)
23. \* Albertien van Eerde, June 8, 2011: Genetics of congenital anomalies of the kidney and urinary tract.
24. \* Eleanora Festen, April 6, 2011: Shared genetic background of inflammatory diseases of the bowel (NWO-AGIKO grant). Graduated *cum laude*
25. Willianne Vonk, 17 March 2011: Understanding COMMD1 function: Novel perspectives from in vitro and in vivo studies (NWO-TOP grant).
26. Florianne Bauer, December 16, 2010: Genes and diet in obesity related type 2 diabetes (IOP genomics grant)
27. \*.# Ramnik Xavier (Harvard Medical School, Boston), October 11, 2010: Genes and pathways in Crohn's disease
28. Clara Elbers, October 6, 2010: On the origin of type 2 diabetes and obesity (IOP genomics grant)
29. Jana van Vliet-Ostapchouk, July 7, 2010: Revealing the genetic roots of obesity and type 2 diabetes (IOP genomics grant)
30. \*.# Alexandra Zhernakova MD, 3 December 2009. The autoimmune puzzle - shared and specific genetics of immune-related diseases (BSIK grant) Graduated *cum laude*
31. \* Victorien Wolters MD, 3 November 2009. Diagnostics and genetics of coeliac disease
32. \* Erik Knauff MD, 22 April 2009. Premature ovarian failure from phenotype to genotype
33. #Lude Franke, 27 May 2008. Genome-wide approaches towards identification of susceptibility genes in complex disorders (BSIK grant). Graduated *cum laude*
34. Patricia Muller, 25 March 2008. Transcriptomics as a tool to dissect copper homeostasis and COMMD protein function (NWO TOP grant)
35. \*.# Rinse Weersma MD, 17 October 2007. Genetic susceptibility for inflammatory bowel disease
36. Prim de Bie, 4 October 2007. Novel insights in the molecular pathogenesis of human copper homeostasis disorders through studies of protein-protein interactions (NWO TOP grant)
37. Alienke Monsuur, 3 July 2007. Unraveling the molecular genetic aspects of intestinal inflammatory disorders (NWO TOP grant)
38. Martin Wapenaar, 28 November 2006. Genomics of coeliac disease - Molecular signatures of the pathogenesis (MLDS and BSIK grant)
39. \* Ynte Ruigrok MD, 16 June 2006. From intracranial aneurysm to subarachnoid hemorrhage: unraveling the genetics (ZonMW AGIKO grant). Graduated *cum laude*
40. \* Begona Diosdado MD, 21 March 2006. The puzzle of coeliac disease: pieces of the molecular pathogenesis (NWO research support grant)
41. Harm van Bakel, 8 November 2005. Genome-wide analyses of copper metabolism and its regulation across species (NWO research support grant)
42. Martine van Belzen, 16 December 2003. Coeliac disease: Investigation of the genetic factors underlying coeliac disease (MLDS grant)

**Co-supervisor of:**

43. Jonathan van Tilburg, 10 December 2002. The Breda study: Search for genetic factors in type 2 diabetes mellitus in a defined Dutch population (DFN grant)
44. #Bart van de Sluis, 19 November 2002. Identification of a copper toxicosis gene in Bedlington terriers (NWO research support grant). Graduated *cum laude*

**Major grants and awards obtained by present\* and previous# PhD students, trainees and members of Wijmenga's research group**

\*Dr. Iris Jonkers: Rosalind Franklin Fellowship (2015); NWO VIDI (2017)

\*Prof. Alexandra (Sasha) Zhernakova: Girard de Miolet van Coehoorn prize for her PhD thesis (2010); NWO Rubicon fellowship (2010); Rosalind Franklin Fellowship (2012); ERC starting grant (2016); NWO VIDI (2017)

\*Dr. Yang Li: NWO VENI (2013); NWO Off-Road (2016)

\*,#Prof. Lude Franke: NWO VENI (2009); ERC starting grant (2014); NWO VIDI (2014), appointed member of Young Academy of the Royal Academy of Arts and Sciences

\*Dr. Eleanora (Noortje) Festen: Mandema stipendium (2012); MLDS career development award (2014); invited to the 64th Lindau Nobel Laureate Meeting (2014)

#Dr. Barbara Hrdličková: 3-year grant from the William Harvey International Translational Research



Academy, via the COFUND Marie Curie Actions (2016)

#Dr. Harm Jan Westra: NWO Rubicon fellowship (2014)

#Dr. Gosia Trynka: NWO Rubicon fellowship (2011), group leader at Sanger Institute, Wellcome Trust, UK

#Prof. Rinse Weersma: ZonMW Clinical Fellowship (2009); NWO VIDI grant (2013); the Rising Star Award (2011) from the United European Gastroenterology Foundation

#Dr. Ynte Ruigrok: NWO clinical fellowship from NWO (2014); Rudolf Magnus Young Talent Fellowship (2010); NWO VENI grant (2009); Netherlands Brain Foundation grant (2005); the ‘Amsterdamse Neurologenvereniging’ prize (2008) and Girard de Miolet van Coehoorn prize (2007) for her PhD thesis

#Dr. Patricia Muller: NWO Rubicon fellowship (2009); Sir Henry Dale Fellowship, Wellcome Trust and Royal Society (UK) (2013); UK Biochemical Society's Early Career Award (2014)

### Invited lectures given by Prof. Wijmenga since 1993

- 2018 Towards a mucosal barrier-on-a-chip model to study celiac disease. International Organ on Chip Symposium, Eindhoven, the Netherlands (*keynote speaker*)
- 2018 Mucosal-barrier-on-a-chip to model celiac disease. United European Gastroenterology Week 2018, Vienna, Austria (*research prize lecture*)
- 2018 You and your microbes and the use of population biobanks to understand their intricate relationship. Immunogenomics 2018, Huntsville, Alabama, USA (*keynote speaker*)
- 2018 From patients to populations, from humans to microbes. Silver Anniversary Symposium, National Human Genome Research Institute NIH, Bethesda, Maryland, USA
- 2018 You and your microbes and the use of population biobanks to understand their intricate relationship. 9<sup>th</sup> International Yakult Symposium, Gent, Belgium (*keynote speaker*)
- 2018 Population biobanks, the gut microbiome and organ-on-chip. Troppo Breve symposium Organs-on-Chip, Riederalp, Switzerland
- 2017 Population-based approach to human metagenomics. 4<sup>th</sup> National Microbiome Conference, Oslo, Norway (*keynote speaker*)
- 2017 Population-based approach to human metagenomics. New Frontiers in Microbiome symposium, Nijmegen, the Netherlands
- 2017 Ten years of celiac disease genetics. 17<sup>th</sup> International Coeliac Disease Symposium, New Delhi, India
- 2017 Gordon Research Conference, Our second genome: a vital organ integrating host genome and host environment, Stowe, Vermont, USA
- 2017 Of man and microbes: the role of gut bacteria in health and disease. 10<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2017 The gut microbiome: an important organ in health and disease. BIKE Summer school 2016, Groningen, the Netherlands
- 2017 The Human Functional Genomics Project: towards understanding human immune function. Illumina User Group Symposium ESHG, Copenhagen
- 2017 The Human Functional Genomics Project: from genetic variation to immune function. Nature Genetic conference on Genome Variation in Precision Medicine, Guangzhou, China
- 2017 The Human Functional Genomics Project as a resource for multi-omics integration. UQ Center of Complex Trait Genomics, Brisbane, Australia
- 2017 Our second genome in health and disease. European Congress of Clinical Microbiology and Infectious Diseases, Vienna, Austria
- 2017 The link between our genome and the human immune response. Charles Bronfman Institute for Personalized Medicine, Mount Sinai, New York City, USA
- 2017 Health-RI: our national research infrastructure for personalized health. Innovation for Health, Rotterdam, the Netherlands
- 2017 What did 10 years of GWAS teach us about celiac disease? University of Oslo, Norway
- 2017 Host immune function is orchestrated by genes and environment. University of Oslo, Norway
- 2017 Our second genome: a vital organ integrating host genome and host environment. University of Oslo, Norway
- 2017 The Human Functional Genomics Project: towards understanding human immune function. Immunogenomics of Disease: Accelerating to Patient Benefit, Sanger Institute, UK
- 2017 The health research initiative in the Netherlands. LS2- Life Sciences Switzerland Annual Meeting 2017
- 2016 Health-RI: opportunities for population health. World Healthcare Forum, The Hague

- 2016 Germ, genes, and host defense. NIH WALIS lecture, Bethesda, USA
- 2016 The microbiome as a complex trait: towards dissecting host and environmental factors. Nature Genetics Genomics of Diseases conference 2016, Baltimore, USA
- 2016 Of man and microbes: The role of gut bacteria in health and disease. 9<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2016 Biobanks: powerful tools to study health and disease. BIKE Summer school 2016, Groningen, the Netherlands
- 2016 Exploring the invisible universe inside our gut in health and disease, Free From Food 2016, Amsterdam, the Netherlands
- 2016 Using biobanks to better understand the impact of genetic variation in health and disease; ISCOMS Groningen, the Netherlands (*keynote speaker*)
- 2016 Population biobanks: a crucial hub in clinical research, European Human Genetics Conference 2016, Barcelona, Spain
- 2016 Combining population and clinical biobanks to translate genetic variation into immune function, 13<sup>th</sup> International Congress of Human Genetics (ICHG2016) Kyoto, Japan
- 2016 Of bits and pieces: putting the DNA puzzle together. King Saud University - Girls University Campus, Riyadh, Saudi Arabia
- 2015 Of bits and pieces: putting the DNA puzzle together, Annual NUTRIM Symposium 2015, Maastricht, the Netherlands
- 2015 Combining population and clinical biobanks to translate genetic variation into immune function, 25<sup>th</sup> Annual CSIBD Workshop, Boston, USA
- 2015 What can genetics teach us about the function of the immune system and autoimmune diseases, Workshop on Genetic control of immune cell activation, Lofoten, Norway
- 2015 The impact of genetic variation on the human immune system. 8<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2015 Shared genetics in celiac disease and other autoimmunity disorders, 16<sup>th</sup> International Coeliac Disease Symposium, Prague
- 2015 Gut microbiome analysis in a population-based cohort EMBL microbiome meeting, Heidelberg, Germany
- 2015 Using genomics to inform genetic studies in autoimmunity. Seminar Istituto Nazionale di Genetica Molecolare "Romeo ed Enrica Invernizzi", Milan, Italy
- 2014 Use of populations biobanks in food-related research, Food Valley EXPO 2014, Papendal, the Netherlands
- 2014 Unlocking the genetics of celiac disease as a model for autoimmune diseases. 7<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2014 The use of biobanking for studies of gut-related diseases. Turku Centre for Biotechnology, Turku, Finland
- 2014 The long non-coding RNA landscape of autoimmune diseases. European Human Genetics Conference 2014, Milan, Italy
- 2014 Functional genomics to unravel disease genetics. Belgian Medical Genomics Initiative (BeMGI) network's annual meeting. Liege, Belgium
- 2014 The long non-coding RNA landscape of autoimmune diseases, Cytokine Interest Group Meeting, National Institutes of Health, USA
- 2013 The value of biobanks in medical research Lecture at the Institut de Medicina Predictiva i Personalitzada del Càncer, Barcelona, Spain
- 2013 Human Genetic Variation and Impact on Large Intergenic Non-coding RNA Expression Center for the Study of Inflammatory Bowel Disease, 23<sup>rd</sup> Annual CSIBD Workshop, Boston, USA
- 2013 A genomics approach to celiac disease. 2013-14 Seminar Series, Department of Genome Sciences at the University of Washington, Seattle, USA
- 2013 The path to autoimmunity. 15<sup>th</sup> International Coeliac Disease Symposium, Chicago, USA
- 2013 Unlocking the genetics of celiac disease as a model for autoimmune diseases. 6<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2013 Unlocking the genetics of celiac disease: an integrative genomics approach. Sanger Institute seminar series, Hinxton, UK
- 2013 Mapping of immune-mediated/autoimmune disease genes. FEBS congress 2013, St. Petersburg, Russia

- 2013 Genome of the Netherlands (GoNL): Whole-genome sequence characterization in 250 trios from the Netherlands 12th International Symposium on Mutation in the Genome, Lake Louisa, Canada
- 2012 Genomics of autoimmunity. NCMLS symposium New Frontiers in Genomics in health and disease, Nijmegen, the Netherlands
- 2012 An ultra sharp portrait of the Dutch population with application to disease genetics. Swedish Society of Human Genetics, Uppsala, Sweden
- 2012 Ultra-sharp genetic group portrait of the Dutch. Symposium on Genomic Diversity of Chinese Populations, Shanghai, China)
- 2012 Genetics of celiac disease: from disease-based to population-based studies 13<sup>th</sup> International meeting on Human Genome Variation and Complex Genome Analysis (HGV2012), Shanghai, China
- 2012 Immunochipping the celiac disease genome: novel insights into the disease mechanism. Nature Genetics symposium: Genomics of Common Diseases, Potomac (Bethesda), USA
- 2012 Celiac disease: from genes to immunopathology. 5<sup>th</sup> Leena Peltonen School of Human Genomics, Cambridge, UK
- 2012 From genes to immunopathology: celiac disease a prototype for complex inflammatory disorders. MPG seminar series Broad Institute, Boston, USA
- 2012 Genome of the Netherlands: family-based whole genome sequencing of 250 Dutch trio families. 1000 Genomes Project meeting, Ann Arbor, USA
- 2012 Genome of the Netherlands: family-based whole genome sequencing of 250 Dutch trio families. International Conference on Genomics in Europe (ICG Europe), Copenhagen, Denmark
- 2012 The genetic architecture of celiac disease. Symposium on Individualised Medicine, Erlangen-Nürnberg, Germany
- 2012 Genome of the Netherlands. BGI Webinar: Empower the Population Genetic Studies by NGS
- 2011 High Throughput Genetics: Past, Present and Future. 2011 Illumina Genetics Advisory Panel Meeting, Palm Beach, USA
- 2011 Genome of the Netherlands. BGI workshop during the 12<sup>th</sup> International Congress of Human Genetics, Montreal, Canada
- 2011 Role of environment and genetics for gut inflammation. 8<sup>th</sup> annual meeting European Nutrigenomics network NUGO, Wageningen
- 2011 Unravelling the Dutch genome in health and disease. Turku Centre for Biotechnology, Turku, Finland
- 2011 Genetics of celiac disease. 14<sup>th</sup> International Coeliac Disease Symposium in Oslo, Norway
- 2011 Contrasting the genetic background of type 1 diabetes and celiac disease autoimmunity T1DGC Autoantibody Workshop, Bethesda, USA
- 2011 Unraveling the Dutch genome in health and disease. European Human Genetics Conference 2011 Amsterdam, the Netherlands
- 2011 Genome of the Netherlands. Dutch Society of Human Genetics Veldhoven
- 2011 Genetic sharing of immune-related phenotypes. Wilhelm Johannsen Symposium, Copenhagen, Denmark
- 2011 Shared genetics in autoimmune disease. JIM Celiac disease meeting, Karolinska Institutet, Stockholm, Sweden
- 2010 Genome of the Netherlands. Connecting Biobanks meeting, Amsterdam, the Netherlands
- 2010 Common molecular backgrounds of coeliac disease and diabetes. United European Gastroenterology Federation (UEGW) 2010 meeting Barcelona
- 2010 Genetic studies in multifactorial diseases: approaches and applications in celiac disease and IBD. Lecture at University of Milan, Monza, Italy
- 2010 The genetic risk in celiac disease: who is the target for prevention. The European Laboratory for the Investigation of Food-Induced Diseases (ELFID) meeting, Naples, Italy
- 2010 Genome-wide studies: from disease cohorts to population cohorts. Celiac disease as an example. GeneForum 2010, Tartu, Estonia
- 2010 Genome-wide studies: from disease cohorts to population cohorts. Celiac disease as an example. Illumina User Group Symposium ESHG Gothenburg 2010, Germany
- 2010 Evolution of celiac disease genes. Symposium on “Evolutionary Medicine”, Netherlands Royal Academy of Arts and Sciences (KNAW)
- 2010 Complex genetics of celiac disease. Indian Congress of Human Genetics 2010, Lucknow, India
- 2010 De X of het ei? Lecture for Studium Generale series 'Man-Vrouw', Groningen, the Netherlands
- 2009 SNPs and CNVs in celiac disease: New loci and a new gene-network assisted CNV analysis. 59<sup>th</sup> Annual

- Meeting of the American Society of Human Genetics, Honolulu, USA
- 2009 First results of COPACETIC. European Respiratory Society (ERS) annual congress, Vienna, Austria
- 2009 Risk map of intestinal inflammatory disorders. Baltic Summer School, Kiel, Germany
- 2009 Unravelling the genetic puzzle of coeliac disease and its overlap with other intestinal inflammatory disorders. 14<sup>th</sup> International Congress of Mucosal Immunology, Boston, USA.
- 2009 Shared genetics explains comorbidity in immune-related diseases. Dutch Society of Human Genetics, Eindhoven, the Netherlands
- 2009 The common molecular basis of immune-related diseases. Massachusetts General Hospital/Harvard Medical School, Boston, USA
- 2009 The common molecular basis of immune-related diseases. The Brigham and Women's Hospital, Boston, USA
- 2008 SNP association studies. 4<sup>th</sup> ESHRE Campus on Molecular Reproductive Medicine, Thessaloniki, Greece
- 2008 The common molecular basis of immune-related diseases. The International Coeliac Disease Meeting of the Italian Association of Coeliac Disease (AIC), Genova, Italy
- 2008 Genome-wide association scans: hope or hype? The Netherlands Epidemiological Society, Groningen
- 2008 Genome-wide association studies: relevance for the transplantation field? Dutch Transplantation Society, Utrecht, the Netherlands
- 2008 Genome-wide association studies provide new insight into celiac disease pathogenesis. Seminar Biomedicum Helsinki Institute for Medical research and Training, Helsinki, Finland
- 2007 Unraveling the genetics of celiac disease: a genomics approach. Seminar for UCLA Human Genetics Speakers Series
- 2007 SNP association studies. 3<sup>rd</sup> ESHRE Campus on Molecular Reproductive Medicine, Utrecht, the Netherlands
- 2007 The genetics of celiac disease. FASEB summer conference on the GI tract, Snowmass village, Colorado, USA
- 2007 Understanding the molecular basis of celiac disease: what genetic studies reveal. CBG symposium Amsterdam
- 2006 Genetic findings in celiac disease: new insights into disease pathology. XII International Coeliac Disease symposium, New York, USA
- 2006 The many faces of COMMD1. 5<sup>th</sup> International meeting on Copper Homeostasis and its Disorders. Sardinia, Italy
- 2006 Genes of the extracellular matrix contribute to intracranial aneurysm. 56<sup>th</sup> Annual Meeting of the American Society of Human Genetics, New Orleans, USA
- 2006 Coeliac disease genetics. European Human Genetics Conference 2006, Amsterdam, the Netherlands
- 2006 Multiple classes of genes leading to celiac disease. Digestive disease week 2006, American Gastroenterology Society, Los Angeles, USA
- 2006 A genetic approach to celiac disease: a focus on the intestinal barrier. Experimental Biology annual meeting. San Francisco, USA
- 2005 "Coelionomics" Towards understanding the molecular pathology of celiac disease. The 53rd Congress of The Egyptian Society of Clinical Chemistry, Cairo, Egypt
- 2005 Genetic association of celiac disease to myosin IXB points to an intestinal barrier defect as an early pathogenic event. 55<sup>th</sup> Annual Meeting of the American Society of Human Genetics, Salt Lake City, USA
- 2005 The molecular basis of autoimmunity: using celiac disease as a model to unravel common pathogenic pathways using a functional genomics approach. European Human Genetics Conference 2005, Prague, Czech Republic.
- 2005 The molecular basis of autoimmunity: using celiac disease as a model to unravel common pathogenic pathways. The Children's Memorial Health Institute, Warsaw, Poland
- 2005 Molecular mechanisms regulating intracellular copper. Copper mini-symposium, Free University Berlin, Germany
- 2004 COMMD1/Murr1: more than a copper regulatory protein? TIWICH meeting, Vina Del Mar, Chile
- 2004 From homeostasis to disease: dissecting the molecular mechanisms regulating intracellular copper. 4th International meeting on Copper Homeostasis and its Disorders. Ischia, Italy
- 2004 A functional-genetics approach to unravel molecular pathways in celiac disease. Biology Prospective Conference 2004. Santorini, Greece

- 2004 The many faces of COMMD1, the canine copper toxicosis gene. 2<sup>nd</sup> International conference Advances in canine and feline genomics, Utrecht, the Netherlands
- 2004 COMMD1/Murr1: simply a new copper transporter protein? Biometals 2004 Garmisch-Partenkirchen, Germany
- 2004 Coelionomics: Tracking host-nutrition interactions in celiac disease. Visiting Professor program University of Michigan, USA
- 2004 The hunt for CD genes. UMC Utrecht, Coeliac Disease Consortium: CDC start symposium, Utrecht, the Netherlands
- 2004 Op zoek naar coeliakie genen: een speurtocht door het genoom. Symposium 'Artsen voor Kinderen'. Coeliakie bij kinderen: wat is nieuw? LUMC, Leiden, the Netherlands
- 2004 A functional genetics approach to unravel molecular pathways in coeliac disease. 11th International Symposium on Coeliac Disease, Belfast, Northern Ireland
- 2004 Major genes involved in coeliac disease: where are we and when are we going to get there? 11th International Symposium on Coeliac Disease, Belfast, Northern Ireland
- 2004 A functional genetics approach to unravel molecular pathways in coeliac disease. Open Meeting on the Genetics of Autoimmunity, Royal Society of Medicine & the Physiological Society, London, UK (*by invitation only*)
- 2004 A functional genetics approach to unravel molecular pathways in coeliac disease. Novartis Foundation Symposium on the Genetics of Autoimmunity, London, UK (*by invitation only*)
- 2004 The hunt for celiac disease genes: a genomics approach. Seminar International Institute of Molecular and Cell Biology, Warsaw, Poland
- 2003 Integrating genetics with genomics as a tool to unravel molecular pathways in celiac disease. Dageraad Symposium on Mucosal Inflammation, the Netherlands
- 2003 Molecular regulation of copper excretion in the liver. Nutrition Society's Summer Meeting on Individual Variability in the Nutritional Response, King's College, London, UK
- 2002 Mutant Murr 1 and its role in copper toxicosis. 3<sup>rd</sup> International Meeting on Copper Homeostasis and Its Disorders, Ischia, Italy
- 2002 Identification of a new copper metabolism gene by positional cloning in a purebred dog population. 7<sup>th</sup> European Copper Research group Meeting, London, UK
- 2002 The pathway of copper transport: a dog's view. Dept. Medical Genetics, University of Innsbruck, Austria
- 2002 Finding genes for complex disease: A study of type II diabetes in Dutch patients. Dept. Medical Genetics, University of Edmonton, Alberta, Canada
- 2002 The pathway of copper transport: a dog's view. Dept. Medical Genetics, University of Edmonton, Alberta, Canada
- 2002 Celiac disease research in the Netherlands. National Institute of Diabetes, Digestive and Kidney Diseases, NIH, USA
- 2001 Towards identifying the ICT gene. Meeting of the International Copper Association, Santa Fe, USA
- 2000 Localization of susceptibility genes for celiac disease. Conference on Nijmegen Breakage Syndrome and other genetic disease, Warsaw, Poland
- 2000 Genetics of idiopathic copper toxicosis. Meeting of the International Copper Association, Montreal, Canada
- 2000 Hypomethylation as a possible cause of chromosome instability in ICF syndrome. European Society of Human Genetics, Amsterdam
- 1999 NICC in man and CT in terriers: Is there a common gene? 2<sup>nd</sup> International Meeting on Copper Homeostasis and Its Disorders, Ravello, Italy
- 1996 Genetic analysis gets more complex. Symposium 'Accelerating gene discovery and mutation detection', Antwerp, Belgium
- 1994 The FSHD linked locus on 4q35 has a homologue on 10qter. FSHD symposium, 8<sup>th</sup> International Congress on Neuromuscular Disorders, Kyoto, Japan
- Other lectures given*
- 1993 Towards mapping disease genes using microsatellite markers. International PKD2 workshop, Leiden
- 1993 Construction of a PFGE map and YAC contig of the FSHD region on 4q35. 3<sup>rd</sup> chromosome 4 meeting, San Francisco, USA
- 1993 FSHD associated rearrangements are due to deletions of integral copies of a 3.2 kb tandemly repeated unit. 6<sup>th</sup> international workshop on FSHD, San Francisco, USA

- 1992 Chromosome 4q DNA rearrangements associated with facioscapulohumeral muscular dystrophy. 42<sup>nd</sup> American Society of Human Genetics, San Francisco, USA
- 1992 Facioscapulohumeral muscular dystrophy. Belgian/Dutch Neurology society, Leuven, Belgium
- 1992 Chromosome 4q DNA rearrangements associated with facioscapulohumeral muscular dystrophy. 5<sup>th</sup> international workshop on FSHD, Leiden, the Netherlands
- 1992 High-resolution genetic linkage map of the FSHD region on 4q35. 2<sup>nd</sup> chromosome 4 meeting, Leiden
- 1991 Narrowing down the FSHD gene on 4q35. 4<sup>th</sup> international workshop on FSHD, Washington DC, USA
- 1991 Genetic linkage map of 4q35. 1<sup>st</sup> chromosome 4 meeting, Philadelphia, USA
- 1991 Refined mapping of the FSHD locus to the telomere of the long arm of chromosome 4. 3<sup>rd</sup> international workshop on FSHD, Leiden, the Netherlands
- 1990 Location of facioscapulohumeral muscular dystrophy gene on chromosome 4. 2<sup>nd</sup> international workshop on FSHD, 7<sup>th</sup> International Congress on Neuromuscular Disorders, Munich, Germany

### International work visits

- 2016 - present Prof. Ludvig Sollid and Dr. Knut Lundin, Oslo, Norway, 3 x 2-week visits each year
- 2009 - present Dr. Ramnik Xavier, MGH/Harvard Medical School, Boston, USA 2 x 3-week visits each year (awarded an NGI Distinguished Visiting Scientist Stipend for 2009-2012)
- Sept 2001 - Mar 2002 Dr. Jeffrey Trent, NHGRI, National Institute of Health, Bethesda, USA (awarded a Fulbright scholarship, a KNAW Ter Meulen Fonds grant, an NWO travel grant and an MLDS travel grant)
- Jan 1994 - Oct 1995 Postdoctoral fellow (Fogarty Visiting Fellowship Award) working under Dr. FS Collins, National Human Genome Research Institute, NIH, Bethesda, USA
- April 1990 - June 1990 Dr. James Weber, Marshfield Medical Research Foundation, Wisconsin, USA

### International lab visits

- 2017 Prof. Naomi Wray and Prof. Peter Visscher, University of Queensland, Brisbane, Australia
- 2013 Dr. Debbie Nickerson, University of Washington, Seattle, USA  
Dr. Nancy Cox, Dr. Barbara Stranger, University of Chicago, USA
- 2010 Dr. H. Hakonarson, University of Pennsylvania, Philadelphia, USA  
Dr. M. Hayden, University of British Columbia, Vancouver, Canada  
Dr. M. Rewers, University of Colorado, Denver, USA
- 2009 Dr. P. de Bakker, The Brigham and Woman's Hospital, Boston, USA
- 2008 Dr. M. Daly, Dr. R. Xavier, MGH/Harvard Medical School, Boston, USA
- 2007 Dr. J. Lusk, UCLA, Los Angeles, USA
- 2006 Dr. L. Greco/Dr. MV Barrone, Univ. Of Naples, Italy  
Dr. D. van Heel, The Barts and London, London, UK
- 2005 Dr. B. Cukrowska, Memorial Children Hospital Warsaw, Poland  
Dr. D. van Heel/Dr. R. Playford, Imperial College, London, UK
- 2004 Dr. J. Rioux, Broad Institute/MIT, Boston, USA  
Dr. P. Liu, NHGRI, NIH, Bethesda, USA  
Dr. C. Duckett, Univ. Michigan, Ann Arbor, USA  
Dr. M. Araya, INTA, Univ. Chile, Santiago, Chile  
Dr. M. Witt, International institute of Molecular and Cell Biology, Warsaw, Poland
- 2002 Dr. A. Janecke/Dr. Th. Müller, University of Innsbruck, Austria  
Prof. D.W. Cox, Dept. Medical Genetics, Univ. Alberta, Edmonton, Canada
- 2000 Dr. K. Barnes, Johns Hopkins University, Baltimore, MD, USA  
Dr. J. Trent, National Human Genome Research Institute, NIH, Bethesda, MD, USA  
Dr. T. Woodage, Celera Genomics, Rockville, MD, USA
- 1998 Dr. P. Asherson, Social, Genetic and Developmental Psychiatry Research Centre, King's College, London, UK
- 1997 Dr. R. Nussbaum, Center for Inherited Disease Research, NIH, Baltimore, MD, USA  
Dr. P. Gejman, National Institute of Mental Health, NIH, Bethesda, MD, USA
- 1996 Dr. N. Freimer, University of California, San Francisco, CA, USA

- Perkin Elmer Corporation, Palo Alto, USA  
 1993 Dr. J. Hewitt, University of Manchester, UK  
 1992 Dr. D. Housman, Massachusetts Institute of Technology, Boston, USA  
 Dr. K. Fishbeck, University of Pennsylvania, Philadelphia, USA  
 Dr. R. Nussbaum, University of Pennsylvania, Philadelphia, USA  
 Dr. F.S. Collins, University of Michigan, Ann Arbor, USA  
 Dr. K. Campbell, University of Iowa, Iowa City, USA  
 Dr. J. Murray, University of Iowa, Iowa City, USA  
 Dr. C.T. Caskey, Baylor College of Medicine, Houston, USA  
 1990 Dr. D.W. Cox, Hospital for Sick Children, Toronto, Canada  
 1989 Dr. Peter Harper, University of Wales College of Medicine, Cardiff, UK  
 1989 Dr. Andrew Read, St Mary's Hospital, Manchester, UK

### Outreach/public communication of science (a selection)

- 2018
- Video interview about UEG research prize ([Link](#))
  - Radio interview with Dutch National Radio (NPO1) about the problem of ‘gluten free’ food that contain gluten ([Link](#))
  - Radio interview about the existence of the ‘Feyenoord’ gene ([Link](#))
  - Studium Generale lectures, Maastricht University: The ins and outs of the gut microbiome ([Link](#))
  - Short documentary on her microbiome work for German television
- 2017
- Interview in scientific journal “Cell” entitled Human Genetics: Questions, Challenges and the Future, Cisca Wijmenga: The Future lies in Biobanks ([Link](#))
  - Television interview on Dutch National News (NPO3) about the impact of her research and winning the Spinoza Award ([Link](#))
  - Debate on Big data versus privacy ([Link](#))
  - Article in “Chemisch2 Weekblad Life Sciences: “Looking for the holy grail. Obesity, diabetes, IBS, autism or depression” ([Link](#))
- 2016
- Television interview on Dutch national news following publications in Science ([Link](#))
- 2015
- Participant at the Evening of Science and Society in the Ridderzaal, The Hague
  - Listed as one of the 100 most influential women in the Netherlands by national magazine “Opzij”
  - BNR radio interview on DNA tests and health ([Link](#))
  - Interview in journal for health professionals “Medisch Contact” ([Link](#))
  - Spinoza prize interview, published on YouTube, in Dutch with English subtitles ([Link](#))
  - CBS news online ([Link](#))
  - Studium Generale, University of Groningen, lecture on “DNA and the role of genetics” ([Link](#))
  - Spinoza@night report ([Link](#))
- 2014
- Public lecture “Genetics: facts and fairy tales” (in Dutch) University of Groningen, 400<sup>th</sup> anniversary ([Link](#))
  - Participation in Night of Arts and Science, Groningen, KNAW Ontdekkerscafé ([Link](#))
- 2013
- UMCG Medical Academy lecture for the general public on Food allergies ([Link](#))
- 2012 and 2011
- Science Cafe at Noorderzon Festival promoting DNA research, Groningen ([Link](#))

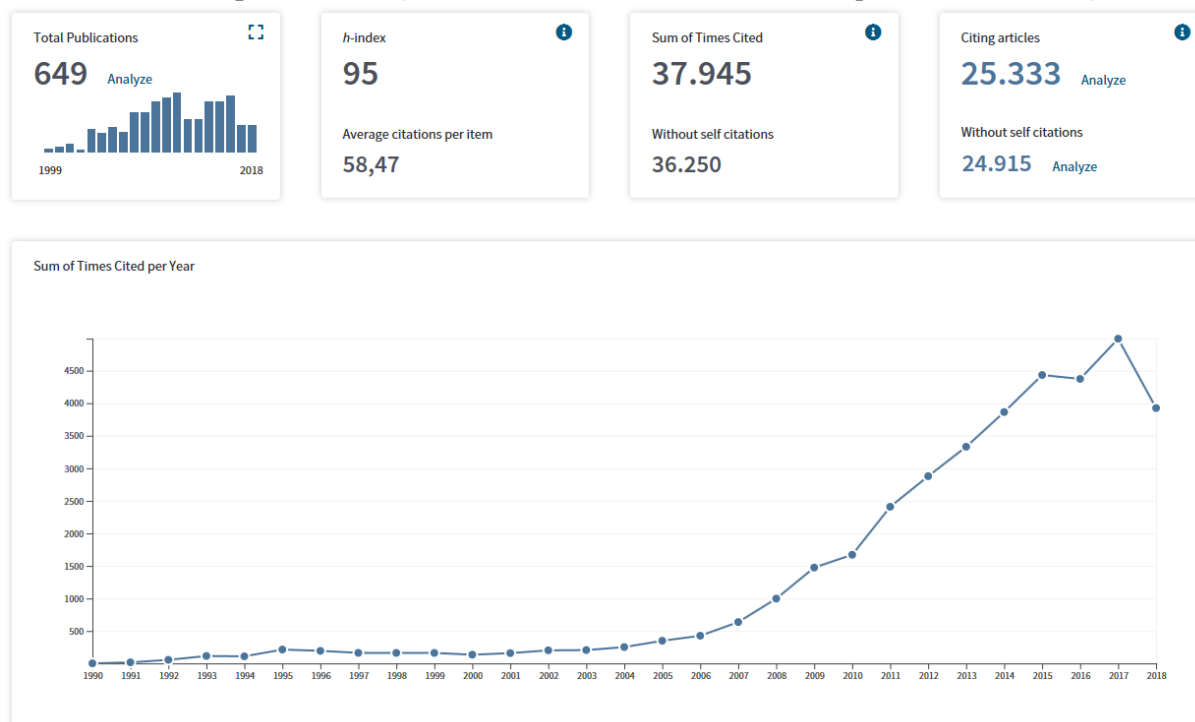
Wijmenga is regularly asked to comment on news in the media by national radio, TV and newspapers. She gives frequent talks to the general public about DNA and has been asked by one of the largest publishers in the Netherlands (Prometeus/Bert Bakker) to write a book about DNA and genetics for the general public. She is asked to discuss the use of biobanks and the potential for personalised health and medicine with politicians and policy makers at the Dutch Ministry of Health. She is also a member of an advisory group for the local

government (Province of Groningen) on matters concerning personalised and customised health issues.



## All Publications

### a. Peer-reviewed publications (649 articles, letters and reviews in ISI per November 2018)



Google Scholar statistics per November 2018 (lists >740 publications)

Citation index	All	Since 2013
Citations	63831	43432
H index	123	95
i10 index	460	379

- Zhernakova DV, Le TH, Kurilshikov A, Atanasovska B, Bonder MJ, Sanna S, Claringbould A, Vösa U, Deelen P, Franke L, de Boer RA, Kuipers F, Netea MG, Hofker MH, Wijmenga C, Zhernakova A, Fu J; LifeLines cohort study; BIOS consortium. (2018) Individual variations in cardiovascular-disease-related protein levels are driven by genetics and gut microbiome. **Nat Genet** 50(11):1524-1532.
- Domínguez-Andrés J, Novakovic B, Li Y, Scicluna BP, Gresnigt MS, Arts RJW, Oosting M, Moorlag SJCFM, Groh LA, Zwaag J, Koch RM, Ter Horst R, Joosten LAB, Wijmenga C, Michelucci A, van der Poll T, Kox M, Pickkers P, Kumar V, Stunnenberg H, Netea MG. (2018) The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. **Cell Metab** pii: S1550-4131(18)30568-0.
- Luijk R, Wu H, Ward-Caviness CK, Hannon E, Carnero-Montoro E, Min JL, Mandaviya P, Müller-Nurasyid M, Mei H, van der Maarel SM; BIOS Consortium, Relton C, Mill J, Waldenberger M, Bell JT, Jansen R, Zhernakova A, Franke L, 't Hoen PAC, Boomsma DI, van Duijn CM, van Greevenbroek MMJ, Veldink JH, Wijmenga C, van Meurs J, Daxinger L, Slagboom PE, van Zwet EW, Heijmans BT. (2018) Autosomal genetic variation is associated with DNA methylation in regions variably escaping X-chromosome inactivation. **Nat Commun** 9(1):3738.
- Luijk R, Dekkers KF, van Iterson M, Arindrarto W, Claringbould A, Hop P, Boomsma DI, van Duijn CM, van Greevenbroek MMJ, Veldink JH, Wijmenga C, Franke L, 't Hoen PAC, Jansen R, van Meurs J, Mei H, Slagboom PE, Heijmans BT, van Zwet EW; BIOS (Biobank-based Integrative Omics Study) Consortium.(2018) Genome-wide identification of directed gene networks using large-scale population genomics data. **Nat Commun** 9(1):3097.
- van der Meulen TA, Harmsen HJM, Bootsma H, Liefers SC, Vich Vila A, Zhernakova A, Fu J, Wijmenga C, Spijkervet FKL, Kroese FGM, Vissink A. (2018) Dysbiosis of the buccal mucosa microbiome in primary Sjögren's syndrome patients. **Rheumatology** (Oxford). 2018 Jul 27.
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**b. Non-refereed articles (10)**

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**c. Book chapters (12)**

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