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## Genetics in juvenile idiopathic arthritis

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## LIST OF ABBREVIATIONS

AID	autoimmune disease
ANA	anti-nuclear antibodies
DM1	diabetes mellitus type 1
DMARD	disease modifying anti-rheumatic drugs
GWAS	genome wide association study
HLA	human leukocyte antigen
IAS	intra-articular steroids
IL	interleukin
ILAR	International League of Associations for Rheumatology
JIA	International League of Associations for Rheumatology
LD	linkage disequilibrium
MAF	minor allele frequency
MS	multiple sclerosis
MTX	methotrexate
NSAID	non-steroidal anti-inflammatory drugs
OR	Odds ratio
RA	rheumatoid arthritis
RF	rheumatoid factor
SNP	single nucleotide polymorphism
STAT	signal transducer and activator of transcription
TDT	transmission disequilibrium test



## LIST OF PUBLICATIONS

Vier jongeren met een alcoholintoxicatie.

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The TRAF1/C5 region is a risk factor for polyarthritis in juvenile idiopathic arthritis.

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Time to treatment as an important factor for the response to methotrexate in juvenile idiopathic arthritis.

Albers HM, Wessels JA, van der Straaten RJ, Brinkman DM, Suijlekom-Smit LW, Kamphuis SS, Girschick HJ, Wouters C, Schilham MW, le Cessie S, Huizinga TW, Ten Cate R, Guchelaar HJ.

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Albers HM, Reinards TH, Brinkman DM, Kamphuis SS, van Rossum MA, Hoppenreijns EP, Girschick HJ, Wouters C, Saurenmann RK, Bakker E, Verduijn W, Slagboom P, Huizinga TW, Toes RE, Houwing-Duistermaat JJ, ten Cate R, Schilham MW. *Ann Rheum Dis.* 2014 Jun;73(6):1198-201.

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Reinards TH, Albers HM, Brinkman DM, Kamphuis SS, van Rossum MA, Girschick HJ, Wouters C, Hoppenreijns EP, Saurenmann RK, Hinks A, Ellis JA, Bakker E, Verduijn W, Slagboom P, Huizinga TW, Toes RE, Houwing-Duistermaat JJ, Ten Cate R, Schilham MW. *Ann Rheum Dis*. 2014 Jul 23. [Epub ahead of print]

## CURRICULUM VITAE

Heleen Marion Albers was born on the 1st of November 1975 in Leidschendam, the Netherlands. She attended secondary school at College 't Loo in Voorburg and passed her gymnasium exam in 1994. From 1994-1995 she studied Medical Biology at the University of Amsterdam. She studied Medicine at the Leiden University from 1995-2000 and obtained her medical degree in 2002. Thereafter she worked as a resident (ANIOS) at the Reinier de Graaf Gasthuis in Delft. In September 2003 she started a PhD project at the Department of Pediatrics (Prof Dr. R.M. Egeler) and the Department of Rheumatology (Prof. Dr. .W. Huizinga) at the Leiden University Medical Center on identifying genetic associations in juvenile idiopathic arthritis. The research project was combined with a clinical training in pediatric rheumatology supervised by Dr. R. ten Cate. In July 2005 she started her clinical training in pediatrics at the Leiden University Medical Center and the Reinier de Graaf Gasthuis. From 2005-2012 she followed an alternating course of clinical training and PhD research, leading to this thesis. In November 2012 she was registered as a pediatrician. As from April 2013 she is working as a general pediatrician at the Van Weel- Bethesda Ziekenhuis in Dirksland. She is married and has two sons.