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## **Towards therapeutic disease control in inflammatory bowel diseases**

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### **Citation**

Vos, A. C. W. (2011, September 8). *Towards therapeutic disease control in inflammatory bowel diseases*. Retrieved from <https://hdl.handle.net/1887/17819>

Version: Corrected Publisher's Version

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**Note:** To cite this publication please use the final published version (if applicable).

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Thesis, University of Leiden

ISBN: 978-90-817740-0-0

Cover designed by Joop Bierling, Houten

Printed by Drukkerij Bariet B.V.

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The printing of this thesis was financially supported by the Dutch Society of Gastroenterology (Nederlandse Vereniging van Gastroenterologie, NvGE), Section Experimental Gastroenterology (SEG) of the Dutch Society of Gastroenterology (NvGE), ABBOTT Immunology, MSD, Tramedico B.V., Ferring.

Towards therapeutic disease control in inflammatory bowel diseases

PROEFSCHRIFT

ter verkrijging van de graad van Doctor aan de Universiteit Leiden,  
op gezag van Rector Magnificus Prof. mr. P.F. van der Heijden,  
volgens besluit van het College voor Promoties  
te verdedigen op donderdag 8 september 2011  
klokke 15.00 uur

door

Anne Christine W. Vos

geboren te Utrecht

in 1985

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# List of abbreviations

|              |   |
|--------------|---|
| 3-MA         | 3-methyladenine   |
| 5-ASA        | 5-aminosalicylic acid                                     |
| 6-MP         | 6-mercaptopurine  |
| 6-TG         | 6-thioguanine   |
| ADA          | adalimumab  |
| ADCC         | antibody-dependent cellular toxicity                      |
| AIEC         | adherent-invasive E. coli                                 |
| APC          | antigen presenting cell                                   |
| ASCA         | anti-Saccharomyces cerevisiae                             |
| ATG16L1      | autophagy-related 16-like 1                               |
| AZA          | azathioprine  |
| BMDC         | bone marrow derived dendritic cells                       |
| CARD15       | caspase recruitment domain family, member 15              |
| CCMO         | Central Committee on Research involving Human Subject     |
| CD           | Crohn's disease   |
| CDAI         | Crohn's disease activity index                            |
| CDEIS        | Crohn's disease index of severity                         |
| CEACAM6      | Carcinoembryonic antigen-related cell adhesion molecule 6 |
| CI           | confidence interval                                       |
| CMV          | cytomegalovirus   |
| CRP          | C reactive protein  |
| DC           | dendritic cell  |
| E. Coli      | Escheria Coli   |
| EBV          | Epstein-barr virus  |
| ESR          | erythrocyte sedimentation rate                            |
| FDA          | food and drug administration                              |
| FSC          | forward scatter   |
| GFP          | green fluorescent protein                                 |
| GvHD         | Graft versus host disease                                 |
| GWAS         | Genome Wide Association Study                             |
| HBV          | hepatitis B virus   |
| HL           | Hodgkin lymphoma  |
| HSV          | herpes simplex virus                                      |
| HVI          | Harvey Bradshaw Index                                     |
| I2           | CD associated bacterial sequence                          |
| IBDU         | unspecified inflammatory bowel disease                    |
| ICAM-1       | Inter-Cellular Adhesion Molecule 1                        |
| IDO          | indoleamine 2,3-dioxygenase                               |
| IFN $\gamma$ | interferon- $\gamma$                                      |
| IFX          | infliximab  |

|         |   |
|---------|---|
| Ig      | immunoglobulin                                      |
| IL      | interleukin   |
| INH     | isonicotinylhydrazine                               |
| IRGM    | immunity-related GTPase family M                    |
| IS      | immunological synapse                               |
| LAMP-2  | lysosomal-associated membrane protein 2             |
| LFA-1   | lymphocyte function-associated antigen 1            |
| LPMNC   | lamina propria mononuclear cell                     |
| LPS     | lipopolysaccharide                                  |
| LTA     | lymphotoxin-alpha                                   |
| MDP     | muramyl dipeptide                                   |
| MHC     | major histocompatibility complex                    |
| MMP     | matrix metalloproteinase                            |
| MSC     | mesenchymal stromal cell                            |
| mTNF    | membrane bound tumor necrosis factor alpha          |
| Mφ      | macrophage  |
| Mφ1     | type 1 macrophage                                   |
| Mφ2     | type 2 macrophage                                   |
| NHL     | non-Hodgkin lymphoma                                |
| NOD     | nucleotide-binding oligomerization domain           |
| OmpC    | Escheria coli outer membrane porin C                |
| PBMC    | peripheral blood mononuclear cell                   |
| PCR     | polymerase chain reaction                           |
| PD-L1   | programmed cell death 1 ligand 1                    |
| Pi      | propidium iodide                                    |
| PML     | multifocal leukoencephalopathy                      |
| RA      | rheumatoid arthritis                                |
| RR      | relative risk                                       |
| SES-CD  | simple endoscopic score for Crohn's disease         |
| SNP     | single nucleotide polymorphism                      |
| SSC     | side scatter  |
| STAT3   | signals transducer and activator of transcription 3 |
| TACE    | tumor necrosis factor alpha converting enzyme       |
| TB      | tuberculosis  |
| TCR     | T cell receptor                                     |
| TGFβ    | tumor growth factor                                 |
| TIMP    | tissue inhibitor of metalloproteinases              |
| TLR     | toll-like receptor                                  |
| TNFSF15 | tumor necrosis factor superfamily 15                |
| TNFα    | tumor necrosis factor alpha                         |
| Tregs   | regulatory T cells                                  |
| UC      | ulcerative colitis                                  |
| VCAM-1  | vascular cell adhesion molecule 1                   |

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