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## Immune regulation in IgA nephropathy

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# **Immune Regulation in IgA Nephropathy**

**Jan-Willem Eijgenraam**

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# **Immune Regulation in IgA Nephropathy**

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“Je overschat zo gemakkelijk je eigen aandeel en  
vergeet wat je geworden bent uitsluitend door anderen”  
*Dietrich Bonhoeffer*

Ter nagedachtenis aan mijn vader



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## Abbreviations

APRIL	a proliferation-inducing agent
ASGP-R	asialoglycoprotein receptor
BAFF	B-cell activating factor
BDCA	blood dendritic cell antigen
BlyS	B lymphocyte stimulating protein
CTB	cholera toxin subunit B
DC	dendritic cell
DNA	deoxyribonucleic acid
ELISA	enzyme-linked immunosorbent assay
ELISPOT	enzyme-linked immunospot assay
FACS	fluorescence-activated cell sorter
FCS	fetal calf serum
GFR	glomerular filtration rate
GM-CSF	granulocyte/macrophage colony stimulating factor
HIV	human immunodeficiency virus
HLA	human leucocyte antigen
HMW	high molecular weight
IgA	immunoglobulin A
IgAN	IgA nephropathy
IL	interleukin
KLH	keyhole limpet hemocyanin
MALT	mucosa associated lymphoid tissue
MBL	mannose-binding lectin
MCP	monocyte chemoattractant protein
MIF	macrophage inhibitory factor
mIgA	monomeric IgA
MHC	major histocompatibility complex
NHS	normal human serum
PBMC	peripheral blood mononuclear cell
pIgA	polymeric IgA
pIgR	polymeric Ig receptor
SIgA	secretory IgA
TGF	transforming growth factor
TNF	tumor necrosis factor

