

CONTENTS

PART I GENERAL INTRODUCTION

- Chapter 1** Introduction, scope and outline of the thesis 9
Parts of this chapter have been published in Immunotherapy 2010; 2(1):85-97

PART II DENDRITIC CELLS AS APCs IN AML

- Chapter 2** Recent advances in antigen-loaded dendritic cell-based strategies for treatment of minimal residual disease in acute myeloid leukemia 35
Immunotherapy 2010; 2(1):69-83
- Chapter 3** Targeting Toll-like receptor 7/8 enhances uptake of apoptotic leukemic cells by monocyte-derived dendritic cells but interferes with subsequent cytokine-induced maturation 57
Cancer Immunol Immunother 2011; 60(1):37-47

PART III LEUKEMIC CELLS AS APCs IN AML

- Chapter 4** Class II-associated invariant chain peptide down-modulation enhances the immunogenicity of myeloid leukemic blasts resulting in increased CD4⁺ T cell responses 77
Haematologica 2010; 95(3):485-96
- Chapter 5** Absence of class II-associated invariant chain peptide on leukemic blasts of patients promotes activation of autologous leukemia-reactive CD4⁺ T cells 97
Cancer Res 2011; 71(7):2507-17
- Chapter 6** High class II-associated invariant chain peptide (CLIP) expression on residual leukemic cells is associated with increased relapse risk in acute myeloid leukemia 115
Submitted for publication
- Chapter 7** Alternative li-independent antigen processing pathway in leukemic blasts involves TAP-dependent peptide loading of HLA class II complexes 125
Cancer Immunol Immunother 2010; 59(12):1825-38
- Chapter 8** Class II-associated invariant chain peptide expression represents a novel parameter for flow cytometric detection of acute promyelocytic leukemia 147
Am J Pathol 2011; 179(5):2157-61
- Chapter 9** Promiscuous binding of invariant chain-derived CLIP peptide to distinct HLA-I molecules revealed in leukemic cells 157
Submitted for publication

PART IV SUMMARIZING DISCUSSION

Chapter 10	Summary, discussion and future directions	179
	<i>Parts of this chapter have been published in Immunotherapy 2010; 2(1):85-97 and OncoImmunol 2011; in press</i>	
Addendum	Abbreviations	194
	Nederlandse samenvatting	196
	Dankwoord	200
	Curriculum Vitae	203
	List of publications	204