**Table of contents**

 **List of abbreviations** 4

**1.**  **English summary**  5

1.1 Introduction 5

1.2 Materials and methods 7

1.3 Results 9

1.4 Discussion 13

1.5 Summary 16

1.6 References for the English summary 17

**2.**  **Publication**  25

 Abstract 25

 Introduction 25

 Materials and methods 26

 Results 28

 Discussion 29

References 31

**3. Acknowledgments** 33

**4. Curriculum vitae** 34

**List of abbreviations**

ANOVA ANalysis Of VAriance

DNA Deoxyribonucleic acid

…

**1. English summary**

1.1 Introduction

…

1.2 Materials and methods

…

1.3 Results

…

### 1.4 Discussion

### …

### 1.5 Summary

### …

1.6 References for the English summary

Berger R, Rotem-Yehudar R, Slama G, Landes S, Kneller A, Leiba M, Koren-Michowitz M, Shimoni A, Nagler A. Phase I safety and pharmacokinetic study of CT-011, a humanized antibody interacting with PD-1, in patients with advanced hematologic malignancies. Clinical cancer research: an official journal of the American Association for Cancer Research. 2008. 14: 3044–3051

…

**2. Publication**

Please insert the paper here. Please ensure that the quality is adequate. We recommend inserting the paper as a PDF file.

**3. Acknowledgments**

…

**4. Curriculum vitae**

**Personal details**

Name:

…

**Professional career**

2016 – present Assistant physician at the Institute of General Practice and Family Medicine at University Hospital Bonn (Director: Prof. Dr. med. Birgitta Weltermann)

…

**Studies and training**

10/2009 - 06/2016 Degree course in Human Medicine at the University of Bonn

…

**School**

09/2001 - 06/2009 Erzbischöfliches Clara-Fey-Gymnasium Bonn

…

**Miscellaneous**

04/2014 – 10/2014 Student assistant at the Institute of Hygiene and Public Health at University Hospital Bonn

…