



Universiteit
Leiden
The Netherlands

Exploring the sarcoma immune landscape

Oost, S. van

Citation

Oost, S. van. (2026, July 7). *Exploring the sarcoma immune landscape*.
Retrieved from <https://hdl.handle.net/1887/4307808>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/4307808>

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

Exploring the sarcoma immune landscape

Siddh van Oost

Exploring the sarcoma immune landscape

ISBN: 978-94-6537-590-8

Cover design: Arina van Londen and Siddh van Oost

Layout: Arina van Londen | www.ridderprint.nl

Print: www.ridderprint.nl

Financial support for the printing of this thesis was kindly provided by the Department of Pathology, Leiden University Medical Center.

© 2026, Siddh van Oost, the Netherlands

All rights reserved. No part of this thesis may be reproduced, stored, or transmitted without prior permission of the author.

Exploring the sarcoma immune landscape

Proefschrift

ter verkrijging van
de graad van doctor aan de Universiteit Leiden,
op gezag van rector magnificus prof.dr. S. de Rijcke,
volgens besluit van het college voor promoties
te verdedigen op dinsdag 7 juli 2026
klokke 13:00 uur

door

Siddh van Oost

geboren te Rotterdam
in 1995

Promotores

Prof.dr. J.V.M.G. Bovée

Prof.dr. N.F.C.C. de Miranda

Leden promotiecommissie

Prof.dr. S.H. van der Burg

Prof.dr. S. Fröhling (Duits Kankeronderzoekscentrum (DKFZ), Heidelberg)

Prof.dr. W.T.A. van der Graaf (Nederlands Kanker Instituut)

Dr. N. Ogrinc

TABLE OF CONTENTS

Chapter 1	General introduction	7
Chapter 2	Linking immunity with genomics in sarcomas: is genomic complexity an immunogenic trigger?	25
Chapter 3	Divergent therapeutic and prognostic impacts of immunogenic features in undifferentiated pleomorphic sarcoma and myxofibrosarcoma	57
Chapter 4	Multimodal profiling of chordoma immunity reveals distinct immune contextures	95
Chapter 5	Immune infiltration is associated with distinct transcriptional states and metabolic profiles in chordomas	147
Chapter 6	General discussion & future perspectives	187
Appendices	PhD Portfolio	202
	Nederlandse samenvatting	208
	Curriculum Vitae	212
	List of publications	213
	Dankwoord	214