

VU Research Portal

Orchestrating the immune system to initiate adaptive anti-tumor immunity

Schetters, S.T.T.

2020

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Schetters, S. T. T. (2020). *Orchestrating the immune system to initiate adaptive anti-tumor immunity*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

Chapters

| | | |
|-----|---|-----|
| 1. | Introduction Part I - Vaccination | 7 |
| 2. | Outer membrane vesicles engineered to express membrane-bound antigen program dendritic cells for cross-presentation to CD8 ⁺ T cells | 27 |
| 3. | Bacterial inclusion bodies function as vehicles for dendritic cell-mediated T cell responses | 43 |
| 4. | Mouse DC-SIGN/CD209a as target for antigen delivery and adaptive immunity | 49 |
| 5. | Multipurpose usage of palmitoylated antigens for induction of anti-tumor CD8 ⁺ T cells and tumor recognition | 67 |
| 6. | Monocyte-derived dendritic cells selectively recruited and instructed for the induction of adaptive immune responses | 83 |
| 7. | Versatile antigen matrix platforms for peptide vaccination strategies and T cell-mediated immunity | 97 |
| 8. | General discussion Part I - Vaccination | 115 |
| 9. | Introduction Part II - Tumor immune suppression | 141 |
| 10. | Monocyte-derived APCs are central to the response of PD1 checkpoint blockade and provide a therapeutic target for combination therapy | 153 |
| 11. | Immune involvement of the contralateral hemisphere in a glioblastoma mouse model | 175 |
| 12. | The tumour glyco-code as a novel immune checkpoint for immunotherapy | 193 |
| 13. | Sialic acids enriched on stromal-cell derived extracellular matrix in pancreatic cancer | 207 |
| 14. | Discussion Part II - Tumor immune suppression | 219 |
| 15. | Appendix | 231 |
| | Thesis summary | |
| | Nederlandse samenvatting | |
| | Curriculum Vitae | |
| | List of publications | |
| 16. | Acknowledgements | 241 |