## Computational Approaches for Mass Spectrometry-based Characterization of Antibody Repertoires

Sebastiaan Constantijn de Graaf

Don't judge each day by the harvest you reap but by the seeds that you plant - Robert Louis Stevenson

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### Computational Approaches for Mass Spectrometry-based Characterization of Antibody Repertoires

Computationele strategieën voor karakterisatie van antilichaam repertoires door middel van massaspectrometrie (met een samenvatting in het nederlands)

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Sebastiaan Constantijn de Graaf geboren op 11 september 1991

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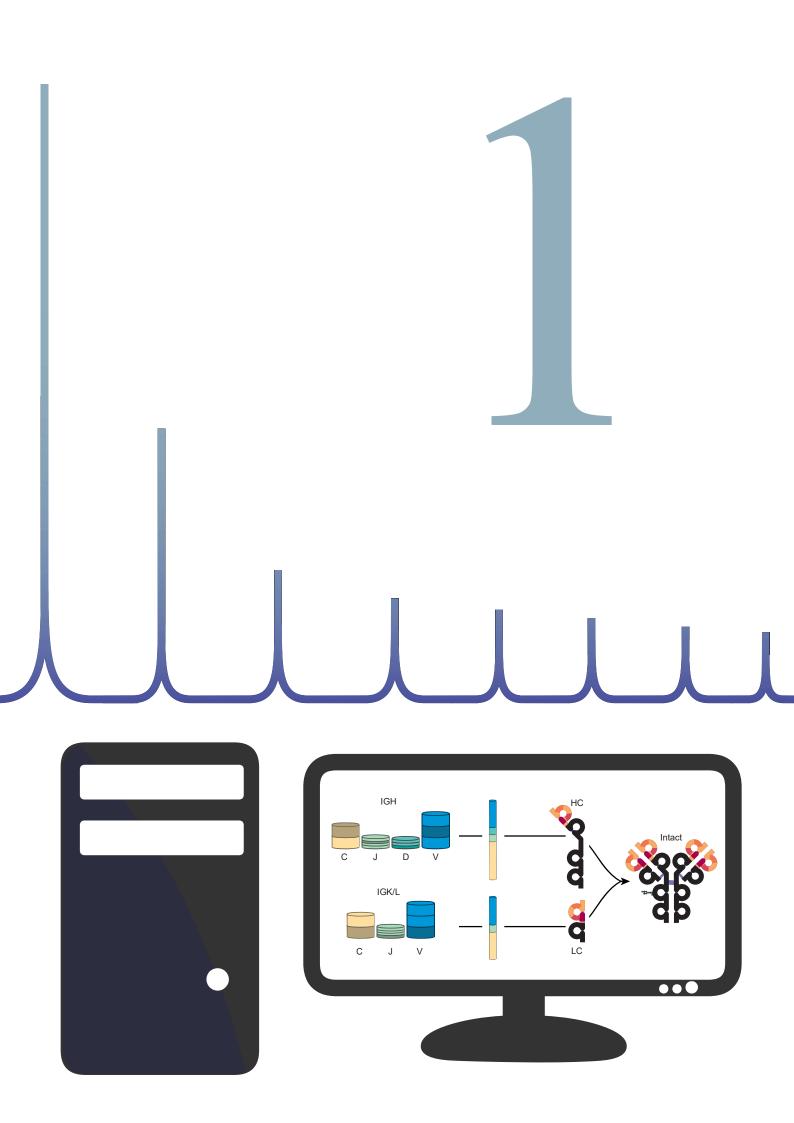
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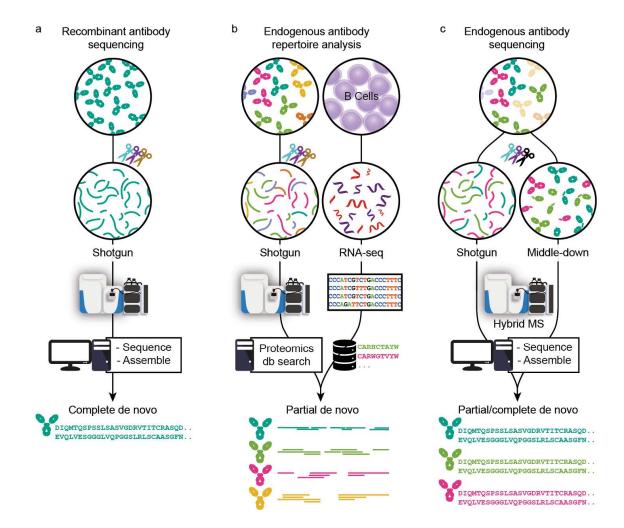
For my father who instilled in me a love of science, learning and discovery and nurtured these feelings no matter what

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#### Introduction



This chapter includes parts of the following publication:

# A perspective towards mass-spectrometry-based *de novo* sequencing of endogenous antibodies

Sebastiaan C. de Graaf\*, Max Hoek\*, Sem Tamara and Albert J.R. Heck *mAbs* (2021), 14:1, 2079449, DOI: 10.1080/19420862.2022.2079449 *Review* 

<sup>\*</sup> These authors contributed equally to this work