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E-cadherin and β-catenin across the branches of hematopoiesis in evolution

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Rosa Anna Krimpenfort

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E-cadherin and β-catenin across the branches of hematopoiesis in evolution

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. P.P.C.C. Verbeek
ten overstaan van een door het College voor Promoties ingestelde commissie,
in het openbaar te verdedigen in de Aula der Universiteit
op vrijdag 14 juni 2024, te 11.00 uur

door

Rosa Anna Krimpenfort
geboren te Heemstede

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“Every adventure requires a first step.”

Lewis Caroll, Alice’s Adventures in Wonderland, Cheshire Cat

About the cover

The inspiration for the cover arose from the thesis itself. Trees represent both a hematopoietic tree and a phylogenetic tree. The red branches represent humans and rats (and who knows what other species), expressing E-cadherin in the red cell lineage. The blue branch represents the mouse, taking a different path in evolution, expressing E-cadherin in the basophil lineage. The calm tree represents homeostasis, where the tree in the wind represents stress erythropoiesis, for which process E-cadherin and β-catenin are hypothesized to play a crucial role. All these ideas come together in the picture painted by my mom, Lot Postmes. Thank you.

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