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## Langerhans cells and dendritic cells in innate defense against pathogens

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# **Langerhans cells and dendritic cells in innate defense against pathogens**

Marein A.W.P. de Jong

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*About the cover:* (upper panel): (Left) Electron microscopy picture of the interaction of a yeast *Candida* (left) and an LC. Small dots represent Langerin (10.000x magnification). (Middle) Confocal microscopy picture of LCs stained with CD1a (green) (630x). (Right) Marein rowing on the Amstel river during the Skiff Head. (lower panel): (Left) Skin staining of LCs with Langerin (green), all nuclei are blue. (Middle) Swimming pool at University of Cincinnati (picture by E. de Jong). (Right) Marein biking in Germany during vacation.

*Over de voorkant:* (bovenste rij): (Links) Elektronen microscopie foto van de interactie van een schimmel (links) met een LC. Zwarte punten kleuren Langerin aan (10.000x vergroting). (Midden) Microscopie foto van drie LCs aangekleurd met CD1a (groen) (630x). (Rechts) Marein in de skiff op de Amstel tijdens de Skiff Head. (onderste rij): (Links) Microscopie foto van LCs (groen) in de huid. De kernen van cellen zijn blauw. (Midden) Zwembad van Universiteit van Cincinnati (foto gemaakt door E. de Jong). (Rechts) Marein op de racefiets tijdens een vakantie in Duitsland.

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VRIJE UNIVERSITEIT

# Langerhans cells and dendritic cells in innate defense against pathogens

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door

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**“Far away there in the sunshine are my highest aspirations. I may not reach them, but I can look up and see their beauty, believe in them, and try to follow where they lead.”**

*Louisa May Alcott*

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