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The branching of life: human iPSC-based angiogenesis-on-chip

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The Branching of Life:
Human iPSC-Based Angiogenesis-on-Chip

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The Branching of Life: Human iPSC-Based Angiogenesis-on-Chip

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 17 februari 2026
klokke 16.00 uur

door

Kendy Eduardo Urdaneta González

geboren te Maracaibo, Venezuela
in 1993

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prof. dr. A.D. van der Meer, Faculteit Technische Natuurwetenschappen, Universiteit Twente.

To the pluripotent source of my days, who lent me her mitochondria, donated half of my genetic load, and whom I symbiotically occupied for thirty-nine weeks, carrying me with extraordinary patience.

To mom

To the one whose chromosomes set in motion the cascade that inhibited my Müllerian ducts, who provided the other half of my genetic load, and perhaps much of my character.

To dad

A mi gente con sangre tricolor, cuyo corazón es desierto, selva, nieve, volcán y Caribe.
To my people with tricoloured blood, whose heart is made of desert, jungle, snow, volcano and Caribbean.

To my fellow Venezuelans

Hartstikke bedankt Nederland!
Anayaawatsüja'a, Waküpe kru'man.
'Thank you!' in Wayuunaiki and Pemón, indigenous languages spoken from the east to the west of Venezuela.
¡Hasta aquí me ha traído Dios!
'Till now the Lord has helped us.' 1 Samuel 7:12. A reminder of God's faithfulness in the past and His continued help in the future.

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