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### Cellular and molecular players in vascular and left ventricular remodeling

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A fluorescence microscopy image showing a complex network of red, branching structures, likely representing a vascular or cellular network. The background is dark, and the structures are illuminated with red, green, and blue light, indicating different components or markers. The red structures are the most prominent, forming a dense, interconnected web. Green and blue spots are scattered throughout, particularly in the lower right quadrant.

# Cellular and Molecular Players in Vascular and Left Ventricular Remodeling

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# **Cellular and Molecular Players in Vascular and Left Ventricular Remodeling**

**Nazanin Hakimzadeh**

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# **CELLULAR AND MOLECULAR PLAYERS IN VASCULAR AND LEFT VENTRICULAR REMODELING**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde commissie,

in het openbaar te verdedigen in de Agnietenkapel

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door

**Nazanin Hakimzadeh**

geboren te Teheran, Iran

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*“Do not go where the path may lead; go instead where there is no path and leave a trail.”*

Ralph Waldo Emerson

*To my family.*



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