

Elections to EACVI Board and Sections 2016-2018

**Application for the
position:**

**Nucleus member
EuroCMR**



1. Your Identity

Title: MD, PhD

Family Name(s): Nijveldt

First Name(s): Robin

Birth Date: November, 4, 1977

Type of address: Business

Institute/Organisation: VU university medical center

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2. General Curriculum Vitae (300 words max)

From 1996-2002 I studied Medicine at the Free University of Amsterdam. During my MD I was a student teacher, finished a scientific internship at the department of Internal Medicine on the local effects of insulin on microvascular perfusion in normal subjects, and focused my internship on Cardiology and Radiology. In my last year I attended the Cardiovascular Surgery Program at St. Luke's Episcopal Hospital, Texas Heart Institute (Houston, TX), under supervision of Dr. Denton A. Cooley and Dr. J. Michael Duncan. In 2003 I started a research program under supervision of Prof. Dr. Albert C. van Rossum at the VU University Medical Center (Amsterdam, the Netherlands). The research extended two projects, both funded by Netherlands Heart Foundation grants. The first was focused on cardiac MRI and Heart Failure, and the second on the evaluation of intracoronary infusion of bone marrow-derived progenitor stem cells after primary PCI. After five years of intensive scientific and clinical training I defended my PhD thesis: Myocardial function and microvascular injury after percutaneous coronary intervention for acute myocardial infarction; evaluation by Cardiovascular Magnetic Resonance. In 2008 I started my residency and visited the department of Internal Medicine at Tergooiziekenhuizen (Hilversum), and the department of Cardiology at Sint Lucas Andreas Hospital (Amsterdam), to finalize my training in the VU University Medical Center (Amsterdam). During that training I also visited the lab of Prof. Dr. Stephan Achenbach for a short fellowship in Coronary CT angiography at the University of Erlangen (Erlangen, Germany). From 2013-2014 I worked as a post-doc research associate at the Duke Cardiovascular Magnetic Resonance Center (Durham, NC), under supervision of Prof. Dr. Raymond J. Kim and Prof. Dr. Robert M. Judd. I am currently working at the VU University Medical Center (Amsterdam, the Netherlands) as faculty, specialized in cardiovascular imaging (CMR, CT, echocardiography, nuclear imaging).

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3. Previous experience(s) in the EACVI or ESC or your National Bodies?

I am an EACVI CMR Exam Board member. Furthermore, I have coauthored the fellowship program consensus document for the Dutch Cardiology Society.

4. Are you a Board or Nucleus Member of another scientific organisation? If Yes, please specify

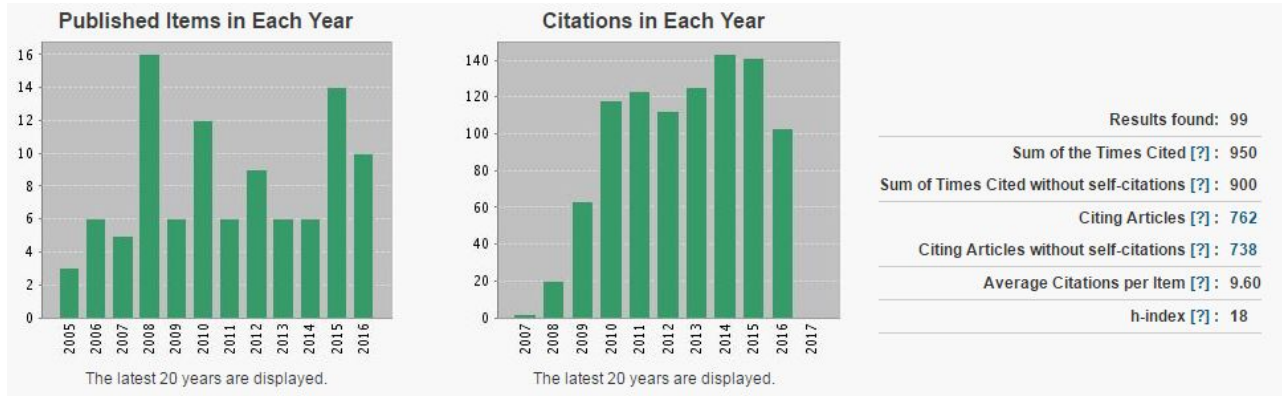
I am currently no nucleus member of another scientific organisation.

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5. Publications (please list 10 max)

1. Nijveldt R, Beek AM, Hofman MB, Umans VA, Algra PR, Spreeuwenberg MD, Visser CA, van Rossum AC. Late gadolinium-enhanced cardiovascular magnetic resonance evaluation of infarct size and microvascular obstruction in optimally treated patients after acute myocardial infarction. *J Cardiovasc Magn Reson.* 2007;9:765-70.
2. Hirsch A, Nijveldt R, Haeck JDE, Beek AM, Koch KT, Henriques JPS, van der Schaaf RJ, Vis MM, Baan J, de Winter RJ, Tijssen JGP, van Rossum AC, Piek JJ. Relation between the assessment of microvascular injury by cardiovascular magnetic resonance and coronary Doppler flow velocity measurements in patients with acute anterior wall myocardial infarction. *J Am Coll Cardiol.* 2008;51:2230-8.
3. Nijveldt R, Beek AM, Hirsch A, Stoel MG, Hofman MB, Umans VA, Algra PR, Twisk JW, van Rossum AC. Functional recovery after acute myocardial infarction: A comparison between angiography, electrocardiography and cardiovascular magnetic resonance measures of microvascular injury. *J Am Coll Cardiol.* 2008;52:181-189.
4. Nijveldt R, Hofman MB, Hirsch A, Beek AM, Umans VAWM, Algra PR, Piek JJ, van Rossum AC. Assessment of microvascular obstruction and prediction of short term remodeling after acute myocardial infarction: A cardiac MR imaging study. *Radiology.* 2009;250:363-370.
5. Nijveldt R, van der Vleuten PA, Hirsch A, Beek AM, Tio RA, Tijssen JG, Piek JJ, van Rossum AC, Zijlstra F. Early electrocardiographic findings and MR imaging-verified microvascular injury and myocardial infarct size. *JACC Cardiovasc Imaging.* 2009;2:1187-1194.
6. Hirsch A, Nijveldt R, van der Vleuten PA, Tijssen JG, van der Giessen WJ, Tio RA, Waltenberger J, Ten Berg JM, Doevendans PA, Aengevaeren WR, Zwaginga JJ, Biemond BJ, van Rossum AC, Piek JJ, Zijlstra F; on behalf of the HEBE investigators. Intracoronary infusion of mononuclear cells from bone marrow or peripheral blood compared with standard therapy in patients after acute myocardial infarction treated by primary percutaneous coronary intervention: results of the randomized controlled HEBE trial. *Eur Heart J.* 2011;32:1736-1747.
7. Hassell ME, Nijveldt R, Roos YB, Majoie CB, Hamon M, Piek JJ, Delewi R. Silent cerebral infarcts associated with cardiac disease and procedures. *Nat Rev Cardiol.* 2013;10:696-706.
8. Robbers LF, Nijveldt R, Beek AM, Hirsch A, van der Laan AM, Delewi R, van der Vleuten PA, Tio RA, Tijssen JG, Hofman MB, Piek JJ, Zijlstra F, van Rossum AC. Cell therapy in reperfused acute myocardial infarction does not improve the recovery of perfusion in the infarcted myocardium: a cardiac MR imaging study. *Radiology.* 2014;272:113-122.
9. Wieslander B, Nijveldt R, Klem I, Likhnygina Y, Pura J, Wagner GS, Ugander M, Atwater BD. Evaluation of Selvester QRS score for use in presence of conduction abnormalities in a broad population. *Am Heart J.* 2015;170:346-52.
10. Hassell ME, Delewi R, Lexis CP, Smulders MW, Hirsch A, Wagner G, Bekkers SC, van der Horst IC, Zijlstra F, van Rossum AC, Piek JJ, van der Harst P, Nijveldt R. The relationship between terminal QRS distortion on initial ECG and final infarct size at 4 months in conventional ST-segment elevation myocardial infarct patients. *J Electrocardiol.* 2016;49:292-9.

11. Received Hirsch Index : Year / Index



12. Received Impact Factor(s) : Year / IF

Published in JACC, JCMR, Radiology, European Heart Journal, Heart, JACC imaging, etc. See also item 11 and 12.

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13. Why are you interested in joining the EACVI Board (150 words max)?

By working in the lab of Prof. van Rossum, I have the opportunity to share our experience in CMR, and teach fellow cardiologists and radiologists in the Netherlands to become qualified CMR specialists. Every day we have the commitment and enthusiasm to teach CMR, and give young cardiologists and cardiologists in training the pleasure of understanding the CMR images and techniques, and its role in clinical practise. Also, by mentoring our PhD fellows, we pass on our knowledge, which they I turn use to increase our knowledge, to understand the additional value of CMR. Although I enjoy to improve the national level of CMR expertise, my wish is to do that on a larger scale as well in Europe. I would like to enlarge the European CMR community, being an attractive, dynamic and invaluable group of people using the most difficult, important, and beautiful imaging technique in Cardiology.