

Elections to EACVI Board and Sections 2016-2018

**Application for the
position: EACVI CMR
Section Vice Chair**



1. Your Identity

Title: Professor Dr

Family Name(s): Petersen

First Name(s): Steffen E.

Birth Date: 24/08/1970

Type of address: Business

Institute/Organisation: Queen Mary University of London and Barts Health NHS Trust

Department: William Harvey Research Institute and Barts Heart Centre

Address: William Harvey Research Institute, Charterhouse Square

Post Code/Zip: EC1M 6BQ

City: London

Country: United Kingdom

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2. General Curriculum Vitae (300 words max)

Steffen E. Petersen, MD (Dr med) DPHIL (OXON) MPH (Harvard School of Public Health)

Steffen Petersen is Professor of Cardiovascular Medicine at Queen Mary University of London and Barts Health NHS Trust. He has been leading the National Institute for Health Research Cardiovascular Biomedical Research Unit's Centre for Advanced Cardiovascular Imaging at Barts since November 2009. He is the Clinical Director for Research at Barts Heart Centre.

March 2006 – October 2009: Clinical Lecturer and Honorary Specialist Registrar, Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford, UK

August 2002 – March 2006: Clinical Research Fellow and Honorary NHS contract (cardiac MRI and Cardiomyopathy Clinic), Dept. Cardiovascular Medicine, John Radcliffe Hospital, Oxford, UK

**December 1998 – August 2002: House Officer (18 months) and Specialist Registrar, 2nd Medical Clinic (Cardiology), University Hospital Mainz, Germany
1992-1998: Medical student at Mainz Medical School, Germany with 2 years studying abroad in Liverpool (UK), Wisconsin (US) and Fribourg (Switzerland).**

Qualifications:

MPH (Harvard School of Public Health) 2013

CCT Cardiology 2009

CCT General Internal Medicine 2005

DPhil 2005 (Oxford University, "Insights into cardiac remodelling by multi-modal magnetic resonance imaging and spectroscopy")

MD 1998 (University of Mainz, "Gastrointestinal intraluminal long-term pH-measurement in patients with chronic inflammatory bowel disease – in vitro and in vivo evaluation of methodology")

German MB ChB equivalent 1998 (University of Mainz)

Special Awards, Honours and Distinctions

2013: Fellow of the Royal College of Physicians (FRCP)

2011: Fellow of the American College of Cardiology (FACC)

2010: Fellow of the European Society of Cardiology (FESC)

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

- **Chair of European CMR Exam Board 2010-2014**
- **Nucleus member of EACVI Section CMR since 2012**
- **Ex-officio member of nucleus of Working Group CMR 2010-2012**
- **Programme Co-Chair EuroCMR 2013 conference**
- **Abstract Chair EuroCMR 2014 conference**
- **Programme Chair SCMR-EuroCMR 2015 Joint Scientific Sessions**
- **Member of EACVI Certification committee since 2014**
- **Member of EACVI Education committee since 2014**
- **Lead author of the EACVI CMR core syllabus**
- **Co-author of two EACVI consensus manuscripts (HCM, athlete's heart) and the EACVI appropriateness criteria for use of cardiovascular imaging in heart failure**
- **Euroecho 2013-2014 Highlights: Author for CMR sections of these publications**
- **Co-Editor of EACVI CMR textbook (work in progress)**
- **Director of the EACVI CMR e-learning course**
- **Member of the British Society for Cardiovascular Magnetic Resonance Research Board since 2016**

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

- **Member of Board of Trustees of the Society for Cardiovascular Magnetic Resonance (SCMR) 2014-2017**
- **Past Chair of the SCMR Clinical Trials Committee**

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5. Publications (please list 10 max)

- 1. Petersen SE, Matthews PM, Francis JM, Robson MD, Zemrak F, Boubertakh R, et al. UK Biobank's cardiovascular magnetic resonance protocol. J Cardiovasc Magn Reson. Journal of Cardiovascular Magnetic Resonance; 2016 Jan 25;1-7.**
- 2. Stone IS, Barnes NC, James WY, Midwinter D, Boubertakh R, Follows R, et al. Lung Deflation and Cardiovascular Structure and Function in COPD: A Randomized Controlled Trial. Am J Respir Crit Care Med. 2015 Nov 9.**
- 3. Bruder O, Schneider S, Pilz G, van Rossum AC, Schwitter J, Nothnagel D, et al. 2015 Update on Acute Adverse Reactions to Gadolinium based Contrast Agents in Cardiovascular MR. Large Multi-National and Multi-Ethnic Population Experience With 37788 Patients From the EuroCMR Registry. J Cardiovasc Magn Reson. England; 2015 Jul 14;17(1):1171.**
- 4. Genders TSS, Petersen SE, Pugliese F, Dastidar AG, Fleischmann KE, Nieman K, et al. The Optimal Imaging Strategy for Patients With Stable Chest Pain. Ann Intern Med. United States; 2015 Apr 7;162(7):474-84.**
- 5. Galderisi M, Cardim N, D'Andrea A, Bruder O, Cosyns B, Davin L, et al. The multi-modality cardiac imaging approach to the Athlete's heart: an expert consensus of the European Association of Cardiovascular Imaging. European Heart Journal - Cardiovascular Imaging. England; 2015 Mar 20;16(4):353-353r.**
- 6. Cardim N, Galderisi M, Edvardsen T, Plein S, Popescu BA, D'Andrea A, et al. Role of multimodality cardiac imaging in the management of patients with hypertrophic cardiomyopathy: an expert consensus of the European Association of Cardiovascular Imaging Endorsed by the Saudi Heart Association. European Heart Journal - Cardiovascular Imaging. England; 2015 Feb 23;16(3):280-0.**
- 7. Zemrak F, Ahlman MA, Captur G, Mohiddin SA, Kawel-Boehm N, Prince MR, et al. The Relationship of Left Ventricular Trabeculation to Ventricular Function and Structure Over a 9.5-Year Follow-Up. J Am Coll Cardiol. United States; 2014 Nov;64(19):1971-80.**
- 8. van Waardhuizen CN, Langhout M, Ly F, Braun L, Genders TSS, Petersen SE, et al. Diagnostic Performance and Comparative Cost-Effectiveness of Non-invasive Imaging Tests in Patients Presenting with Chronic Stable Chest Pain with Suspected Coronary Artery Disease: A Systematic Overview. Curr Cardiol Rep. United States; 2014 Oct 10;16(10):537.**
- 9. Petersen SE, Almeida AG, Alpendurada F, Boubertakh R, Bucciarelli-Ducci C, Cosyns B, et al. Update of the European Association of Cardiovascular Imaging (EACVI) Core Syllabus for the European Cardiovascular Magnetic Resonance Certification Exam. European Heart Journal - Cardiovascular Imaging. 2014 Jul;15(7):728-9.**
- 10. Petersen SE, Selvanayagam JB, Wiesmann F, Robson MD, Francis JM,**

Anderson RH, et al. Left ventricular non-compaction: insights from cardiovascular magnetic resonance imaging. J Am Coll Cardiol. 2005 Jul 5;46(1):101–5.

6. Received Hirsch Index : Year / Index

Google Scholar h-index of 36 (19/09/2016)

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

Career to date (19/09/2016):

- **126 journal articles with 5095 citations**
- **34 publications with impact factor >10, of which:**
 - **7 publications in Circulation**
 - **8 publications in J Am Coll Cardiol**
 - **2 publications in Ann Intern Med**
 - **1 publication in British Medical Journal**

Since 2011 to date (19/09/2016):

- **99 journal articles with 3369 citations**
- **Average Cites/year since 2011: 562**
- **Average cites/paper since 2011: 27**

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8. Why are you interested in joining the EACVI Board (150 words max)?
Within the EACVI I have shown commitment to high quality education in the field of CMR, but also more generally in cardiovascular imaging, as faculty on

many EACVI endorsed courses and conferences. I have developed the annual European CMR exam into one that is now recognised as an exam of the highest standard. This exam is a key element of the newly established European CMR certification process.

If elected, I would be working closely with national CMR societies to establish processes that would allow colleagues in regions with less CMR experience to become certified in CMR. I would bring my commitment, enthusiasm and expertise to the EACVI Board and the membership to support the EACVI and the Section CMR to remain the leading society for promoting excellence in clinical diagnosis, research, technical development and education in cardiovascular imaging. The EACVI will thus ultimately contribute to better patient care and outcomes.