

Elections to EACVI Board and Sections 2016-2018

**Application for the
position:**

Treasurer



1. Your Identity

Title: Professor

Family Name(s): Plein

First Name(s): Sven

Birth Date: 17 March 1968

Type of address: Business

Institute/Organisation: University of Leeds

Department: Division of Biomedical Imaging

Address: LIGHT Laboratories, Clarendon Way

Post Code/Zip: LS2 9JT

City: Leeds

Country: United Kingdom

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2. General Curriculum Vitae (300 words max)

I am a Professor of Cardiology based at the University of Leeds and British Heart Foundation Senior Professor of Cardiovascular Imaging. I lead the University's Division of Biomedical Imaging, a large multidisciplinary research group which is dedicated to the development and clinical translation of advanced cardiovascular imaging methods all the way through to large multicentre clinical trials.

I am also a practicing Consultant Cardiologist at Leeds Teaching Hospitals, which is one of the largest hospitals in Europe. The hospital has access to all cardiovascular imaging methods, including a very large BSE-accredited echocardiography service including stress echocardiography, transoesophageal echocardiography and all advanced echocardiography methods, a BSCMR-accredited CMR facility with three dedicated cardiac MRI scanners, one of the UK's largest nuclear cardiology services and an growing CT service.

I studied Medicine in Marburg/Germany and received an MD from the Phillips University in Marburg/Germany in 1995 and my PhD in biomedical imaging from the University of Leeds in 2004. I hold British Society of Echocardiography and European Society of Cardiology CMR certification. In my daily clinical routine I perform weekly echocardiography and CMR sessions.

My main research interest is cardiovascular imaging, with nearly 200 publications in peer-reviewed journals in this field. I have held numerous positions in imaging societies, including Vice-president of the European Association of Cardiovascular Imaging and Chairman of the Association's CMR Section, Senior Associate Editor of European Heart Journal – Cardiovascular Imaging and I am a former member of the board of Trustees of the Society for Cardiovascular Magnetic Resonance.

One of my passions is teaching and I train several clinical imaging fellows, including ESC/EACVI fellows in my hospital, have organised numerous CMR and other imaging courses, contribute to teaching and education worldwide and have initiated the EACVI's CMR certification programme.

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

I have been a member of the nucleus of the former ESC Working Group on CMR since 2008 and became its Vice chairman in 2012. Together with Patrizio Lancelotti and Anastasia Kitsiou, I led the task force that drafted the constitution of the new multi-modality EACVI. In 2014 I became Vice-president of the European Association of Cardiovascular Imaging and Chairman of the Association's CMR Section. In this role I have been part of the EACVI's board and management group and as such have been involved in the strategic decisions of the association.

In addition, I have been programme chair and programme committee member of several EACVI organised congresses, including EuroCMR and EuroEcho/Imaging over the past years.

Reflecting my interest in teaching, I have initiated the hugely successful EACVI CMR exam and certification programme and lecture on the EACVI CMR exam preparation course at the Heart House and numerous other educational events. I have developed the EACVI's CMR App and am currently editing the EACVI's Textbook of CMR.

Since 2013 I have been one of three Senior Associate Editors of the European Heart Journal – Cardiovascular Imaging and in this role have contributed to the success of the journal in recent years. I have contributed to several ESC/EACVI position papers and other official documents.

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

I am a past board member of the Society of Cardiovascular Magnetic Resonance.

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5. Publications (please list 10 max)

1. Greenwood JP, Maredia N, Younger JF, Brown JM, Nixon J, Everett CC, Bijsterveldt P, Ridgway JP, Radjenovic A, Dickinson C, Ball SG, **Plein S**. Cardiovascular magnetic resonance and single-photon emission computed tomography for diagnosis of coronary heart disease (CE-MARC): a prospective trial. *The Lancet*. 2012;379:453-60.
2. Greenwood JP, Ripley DP, Berry C, McCann GP, **Plein S**, Bucciarelli-Ducci C, Dall'Armellina E, Prasad A, Bijsterveld P, Foley JR, Mangion K, Sculpher M, Walker S, Everett CC, Cairns DA, Sharples LD, Brown JM; CE-MARC 2 Investigators. Effect of Care Guided by Cardiovascular Magnetic Resonance, Myocardial Perfusion Scintigraphy, or NICE Guidelines on Subsequent Unnecessary Angiography Rates: The CE-MARC 2 Randomized Clinical Trial. *JAMA*. 2016 Sep 13;316(10):1051-60.
3. Kim WY, Danias PG, Stuber M, Flamm SD, **Plein S**, Nagel E, Langerak SE, Weber OM, Pedersen EM, Schmidt M, Botnar RM, Manning WJ. Coronary Magnetic Resonance Angiography for the Detection of Coronary Stenoses. *N Engl J Med* 2001; 345:1863-1869.
4. Greenwood JP, Herzog BA, Brown JM, Everett CC, Nixon J, Bijsterveld P, Maredia N, Motwani M, Dickinson CJ, Ball SG, **Plein S**. Prognostic Value of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Suspected Coronary Heart Disease: Long-Term Follow-up of a Prospective, Diagnostic Accuracy Cohort Study. *Ann Intern Med*. 2016 May 10.
5. Greenwood JP, Motwani M, Maredia N, Brown JM, Everett CC, Nixon J, Bijsterveld P, Dickinson CJ, Ball SG, **Plein S**. Comparison of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Women With Suspected Coronary Artery Disease From the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) Trial. *Circulation*. 2014;129:1129-3.
6. Cardim N, Galderisi M, Edvardsen T, **Plein S**, Popescu BA, D'Andrea A, Bruder O, Cosyns B, Davin L, Donal E, Freitas A, Habib G, Kitsiou A, Petersen SE, Schroeder S, Lancellotti P, Camici P, Dulgheru R, Hagendorff A, Lombardi M, Muraru D, Sicari R. 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. *Eur Heart J Cardiovasc Imaging*. 2015 Mar;16(3):280.
- 7.. Lancellotti P, Płońska-Gościński E, Garbi M, Bucciarelli-ducci C, Cosyns B, Cardim N, Galderisi M, Edvardsen T, Neglia D, **Plein S**, Kitsiou A, Nieman K, Stefanidis A, Maurer G, Popescu BA, Habib G. Cardiovascular imaging practice in Europe: a report from the European Association of Cardiovascular Imaging. *Eur Heart J Cardiovasc Imaging*. 2015 Jul;16(7):697-702.
8. Petersen SE, Almeida AG, Alpendurada F, Boubertakh R, Bucciarelli-Ducci C, Cosyns B, Greil GF, Karamitsos TD, Lancellotti P, Stefanidis AS, Tann O, Westwood M, **Plein S**; Update of the European Association of Cardiovascular Imaging (EACVI) Core Syllabus for the European Cardiovascular Magnetic Resonance Certification Exam. On behalf of the Education Committee of the European Association of Cardiovascular Imaging Association (EACVI). *Eur Heart J Cardiovasc Imaging*. 2014 Jul;15(7):728-729.
9. Garbi M, Habib G, **Plein S**, Neglia D, Kitsiou A, Donal E, Pinto F, Bax J, Achenbach S, Popescu BA, Edvardsen T, Badano LP, Stefanidis A, Bucciarelli-Ducci C, Derumeaux G, Luis Zamorano J, Lüscher TF, Maurer G, Lancellotti P. Appropriateness criteria for cardiovascular imaging use in clinical practice: a position statement of the ESC/EACVI taskforce. *Eur Heart J Cardiovasc Imaging*. 2014 May;15(5):477-82.
10. Picano E, Vaňó E, Rehani MM, Cuocolo A, Mont L, Bodi V, Bar O, Maccia C, Pierard L, Sicari R, **Plein S**, Mahrholdt H, Lancellotti P, Knuuti J, Heidebuchel H, Di Mario C, Badano LP. The appropriate and justified use of medical radiation in cardiovascular imaging: a position document of the ESC Associations of Cardiovascular Imaging, Percutaneous Cardiovascular Interventions and Electrophysiology. *Eur Heart J*. 2014 Mar;35(10):665-72.

6. Received Hirsch Index : Year / Index

I have authored **194** peer-reviewed publications attracting 7126 citations with a h index of **40** (Google Scholar as per 19 09 2016).

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

The impact factors of my top 5 publications are (2015 IF) :

1. The Lancet 45.2
2. JAMA 37.7
3. NEJM 59.6
4. Annals of Internal Medicine 16.4
5. Circulation 14.3

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

As one of the founders of the multimodality EACVI, the future of our association is very close to my heart. Our association has moved a long way towards becoming the home of all cardiovascular imagers, regardless of their modality interest. Many great opportunities still lie ahead but there are also many challenges still to be met. My experience in the WG on CMR and the management group of EACVI put me in a strong position to contribute further to the success of the association. As a clinician involved in all non-invasive imaging modalities, I have a very good understanding of the strengths and development needs of each modality and as an academic, I understand the importance of teaching, research and further development. My aim is to ensure that our association remains inclusive of all clinicians and modalities and remains focussed on 'promoting excellence in clinical diagnosis, research, technical development, and education in Cardiovascular Imaging in Europe' as stated in our mission.



European Association of Cardiovascular Imaging

A Registered Branch of the ESC

*To promote excellence in clinical diagnosis, research, technical development,
and education in cardiovascular imaging in Europe.*

