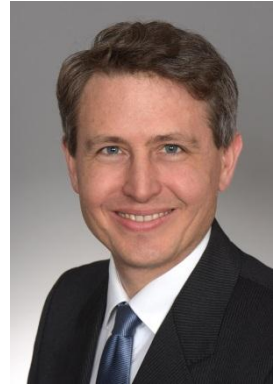


Elections to EACVI Board and Sections 2016-2018

**Application for the position:
Nucleus Member
Cardiology & Cardiac CT Section**



1. Your Identity

Title: MD, Ph.D

Family Name(s): HYAFIL

First Name(s): Fabien

Birth Date: October 2nd, 1975

Type of address: Business

Institute/Organisation: Bichat University Hospital

Department: Nuclear Medicine

Address: 46 rue Henri Huchard

Post Code/Zip: 75018

City: Paris

Country: France

Elections to EACVI Board and Sections 2016-2018

2. General Curriculum Vitae

40-year old, MD, PhD. Consultant in the department of Nuclear Medicine, University Hospital Bichat, Paris, France.

Education and work experience

1999-2004: Medical Resident, University Hospitals of Paris (Assistance Publique-Hôpitaux de Paris).

2005-2006: Research Fellow, Imaging Science Laboratories of Prof. Fayad, Mount Sinai Hospital, New York, US. During this fellowship, I developed new CT and MR contrast agents for the imaging of atherosclerotic plaques.

2007-2008: Clinical Fellow in Cardiology, Department of Prof. Vahanian, Bichat Hospital, Paris. During this fellowship, I developed my skills in echocardiography, in particular in the evaluation of valvular diseases.

2009-2010: Fellow in Nuclear Medicine, Department of Prof. Le Guludec. During this fellowship, I learned most of the techniques used in Nuclear Cardiology.

2013-2014: Assistant Professor, Department of Nuclear Medicine of Prof. Schwaiger, Klinikum rechts der Isar, Munich, Germany. During these two years, I developed new clinical applications of PET-MRI for cardiovascular imaging.

2011-2012/2015 – now: Consultant, Department of Nuclear Medicine. I am responsible for Nuclear Cardiology (> 5000 cardiac scintigraphies / year) and supervise several clinical studies on myocardial perfusion imaging and atherosclerotic plaque imaging using SPECT, PET, coronary CTA and cardiac MRI. I work also in the research unit INSERM U1148 that focuses on the development of new radiotracers for cardiovascular imaging.

Memberships in Scientific Organizations

Member of the ESC since 2006, Nucleus Member of the Cardiovascular Committee of the European Association of Nuclear Medicine since 2014 and Board member of the European Society for Molecular Imaging since 2016.

Member of the Scientific Committee for the ICNC Congress, co-organized by ESC and EANM.

Research interests

- Non-invasive imaging of atherosclerosis
- Myocardial perfusion imaging
- Multi-modality imaging of valvular disease

Elections to EACVI Board and Sections 2016-2018

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

Former member of the EACVI Nuclear & CTT Section of the ESC

Member of the Scientific Committee of ICNC Congress 2017

Oral scientific presentations and moderator at several ESC Congresses.

Participation to several EACVI / EANM state of the art reviews and to the redaction of the ESC textbook.

Regular Reviewer for the European Heart Journal of Cardiovascular Imaging

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

- Nucleus Member of the Cardiovascular Committee of the European Association of Nuclear Medicine.
- Board Member of the European Society of Molecular Imaging.

Elections to EACVI Board and Sections 2016-2018

5. Publications

1. Laissy JP, **Hyafil F**, Feldman LJ, Juliard JM, Schouman-Claeys E, Steg PG, Faraggi M. Differentiating acute myocardial infarction from myocarditis: diagnostic value of early- and delayed-perfusion cardiac MR imaging. *Radiology*. 2005;237: 75-82.
2. **Hyafil F**, Cornily JC, Feig J, Gordon R, Vucic E, Amirbekian V, Fisher E, Fuster V, Feldman LJ, Fayad ZA. Non-invasive detection of macrophages using a novel contrast agent for computed tomography. *Nature Medicine*. 2007; 13: 636-41
3. Messika-Zeitoun D, Serfaty JM, Brochet E, Ducrocq G, Lepage L, Detaint D, **Hyafil F**, Himbert D, Pasi N, Laissy JP, Iung B, Vahanian A. Multimodal assessment of the aortic annulus diameter: implications for transcatheter aortic valve implantation. *J Am Coll Cardiol*. 2010; 55:186-94.
4. **Hyafil F**, Cornily J, Amirbekian V, Rahul S, Vucic E, Lancelot E, Corot C, Fuster V, Feldman LJ, Fayad ZA. Monitoring of matrix metalloproteinase activity in atherosclerotic plaques of rabbits with a specific contrast agent and MRI. *European Heart Journal*. 2011; 32: 1561-71
5. **Hyafil F**; Messika-Zeitoun D; Burg S; Rouzet F; Benali K Iung B; Vahanian A; Le Guludec D. Detection of ¹⁸fluoride sodium accumulation in calcified aortic valves with positron emission tomography. *Am J Cardiol*. 2012;109(8):1194-6.
6. **Hyafil F**; Rouzet F; Lepage L; Benali K; Raffoul R; Duval X; Hvass U; Iung B; Nataf P; Lebtahi R; Vahanian A; Le Guludec D. Role of radiolabeled leukocyte scintigraphy in patients with a suspicion of prosthetic valve endocarditis and inconclusive echocardiography. *Eur Heart J Cardiovasc Imaging*. 2013: 586-94.
7. von Olshausen G, **Hyafil F**, Langwieser N, Laugwitz KL, Schwaiger M, Ibrahim T. Detection of acute inflammatory myocarditis in Epstein Barr virus infection using hybrid 18F-fluoro-deoxyglucose-positron emission tomography/magnetic resonance imaging. *Circulation*. 2014; 130:925-6.
8. Rouzet F, Chequer R; Benali K; Lepage L; Ghodbane W; Duval X; Iung B; Vahanian A; Le Guludec D; **Hyafil F**. Respective performances of FDG-PET and radiolabeled leukocyte scintigraphy for the diagnostic of prosthetic valve endocarditis. *Journal of Nuclear Medicine*. 2015. 55(12):1980-5.
9. Tournoux F, Chequer R, Sroussi M, **Hyafil F**, Algalarrondo V, Cohen-Solal A, Bodson-Clermont P, Le Guludec D, Rouzet F. Value of mechanical dyssynchrony as assessed by radionuclide ventriculography to predict the cardiac resynchronization therapy response. *Eur Heart J Cardiovasc Imaging*. 2015. Online.
10. **Hyafil F**, Schindler A, Sepp D, Obenhüber, T, Bayer-Karpinska A, Boeckh-Behrens T, Höhn S, Hacker M, Nekolla SG, Rominger A, Dichgans M, Schwaiger M, Saam T, Poppert H. High-risk plaque features can be detected in non-stenotic carotid plaques of patients with ischemic stroke classified as cryptogenic using combined ¹⁸F-FDG-PET/MR imaging. *European Journal of Nuclear Medicine and Molecular Imaging*. 2016; 43:270-9.

5. Received Hirsch Index : Year / Index

Hirsch index: 19

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

2014: 236

2015: 261

2016: 295

Elections to EACVI Board and Sections 2016-2018

7. Why are you interested in joining the EACVI Board ?

I would be very honoured to be part of the Nuclear Cardiology and Cardiac CT Section of EACVI. I will participate in promoting nuclear cardiology as an imaging modality complementary to echocardiography, CT and MRI. I will bring my personal experience in each of these different imaging techniques to identify the best use of each modality (or combined) for the evaluation of cardiovascular diseases. I will support the development of high-level education and learning programs in Nuclear Cardiology for cardiologists as part of the EACVI curriculum.

As member of EACVI and EANM, I will pursue the fruitful collaboration between these two Societies on guidelines, reviews and scientific programs of congresses and support the development of multi-modality cardiovascular imaging.

As Board member of the European Society of Molecular Imaging, I will stimulate interactions between researchers and clinicians to facilitate the translation of new imaging techniques in the cardiovascular field.