

Elections to EACVI Board 2018-2020

Application for the position:

**EACVI Vice-President-Elect (Nuclear
Cardiology & Cardiac CT)**



1. Your Identity	
Title	PD Dr. med.
Family Name(s)	Büchel
First Name(s)	Ronny Ralf
Birth Date	March 7 th 1980
Institute/Organisation	University Hospital Zurich
Department	Department of Nuclear Medicine, Cardiac Imaging
City	Zürich
Country	Switzerland



2. General Curriculum Vitae (300 words max)

Education and Professional Record

2000 - 2006	Medical School, University of Basel, Switzerland
2006	State Examination (M.D.), University of Basel, Switzerland
2008	Thesis (Dr. med.) Faculty of Medicine, University of Basel, Switzerland
2007 - 2012	Residency in Internal Medicine, Kantonsspital Aarau, Switzerland
2009	Residency in Nuclear Medicine, University Hospital Zurich, Switzerland
2010 - 2012	Residency in Cardiology, University Hospital Basel, Switzerland
2015	Venia legendi from the University of Zurich (PD, Privatdozent)
2013 - 2015	Residency in Nuclear Medicine, University Hospital Zurich, Switzerland
2015 - 2017	Consultant Nuclear Medicine/Cardiac Imaging, University Hospital Zurich, Switzerland
since 2018	Senior Consultant Nuclear Medicine/Cardiac Imaging, University Hospital Zurich, Switzerland

Board Certifications

2012	Swiss Board of Cardiology
2016	Swiss Board of Nuclear Medicine

Professional Society Memberships

since 2013	Swiss Society of Cardiology
since 2014	Swiss Society of Nuclear Medicine
since 2014	European Association of Cardiovascular Imaging
since 2017	German Cardiac Society
since 2017	Zurich Society of Cardiology

Research Activities

Currently 90 publications in PubMed, including 9 first and 17 last authorship works.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=buechel+rr>

Research Grants

2017	Swiss National Science Foundation (SNSF) Research Project Funding for "Myocardial Blood Flow and Coronary Microcirculatory Dysfunction Assessed by PET/MR Late After Myocarditis."
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3. Previous experience(s) in the EACVI or ESC or your National Bodies?

since 2015	EACVI HIT committee member and representative of the EACVI Nuclear Cardiology and Cardiac CT section
since 2016	EANM/ESMIT Working Group for Level 2 Education member
since 2016	Nucleus member of the EACVI Nuclear Cardiology and Cardiac CT section
since 2017	Vice-spokesman of the Working Group for Nuclear Cardiology of the German Cardiac Society (spokesman-elect for 2019-2020)

4. Are you a Board or Nucleus Member of another scientific organisation?

Yes X No ☐

If Yes, please specify:

I am the current vice-spokesman of the Working Group for Nuclear Cardiology of the German Cardiac Society and spokesman-elect for the period of 2019-2020.

**5. Publications (please list 10 max)**

1. Gräni C, Vontobel J, Benz DC, Bacanovic S, Giannopoulos AA, Messerli M, Grossmann M, Gebhard C, Pazhenkottil AP, Gaemperli O, Kaufmann PA, Buechel RR. Ultra-low-dose coronary artery calcium scoring using novel scoring thresholds for low tube voltage protocols-a pilot study.
Eur Heart J Cardiovasc Imaging. 2018 Feb 8. [Epub ahead of print]
2. Tarr PE, Ledergerber B, Calmy A, Doco-Lecompte T, Marzel A, Weber R, Kaufmann PA, Nkoulou R, Buechel RR, Kovari H.
Subclinical coronary artery disease in Swiss HIV-positive and HIV-negative persons.
Eur Heart J. 2018 Jun 14;39(23):2147-2154. (*shared last authorship*)
3. Gräni C, Benz DC, Steffen DA, Clerc OF, Schmied C, Possner M, Vontobel J, Mikulicic F, Gebhard C, Pazhenkottil AP, Gaemperli O, Hurwitz S, Kaufmann PA, Buechel RR. Outcome in middle-aged individuals with anomalous origin of the coronary artery from the opposite sinus: a matched cohort study.
Eur Heart J. 2017 Jul 1;38(25):2009-2016.
4. Gebhard C, Buechel RR, Stähli BE, Gransar H, Achenbach S, Berman DS, Budoff MJ, Callister TQ, Chow B, Dunning A, Al-Mallah MH, Cademartiri F, Chinnaiyan K, Rubinshtein R, Marques H, DeLago A, Villines TC, Hadamitzky M, Hausleiter J, Shaw LJ, Cury RC, Feuchtner G, Kim YJ, Maffei E, Raff G, Pontone G, Andreini D, Chang HJ, Leipsic J, Min JK, Kaufmann PA.
Impact of age and sex on left ventricular function determined by coronary computed tomographic angiography: results from the prospective multicentre CONFIRM study.
Eur Heart J Cardiovasc Imaging. 2017 Sep 1;18(9):990-1000.
5. Verberne HJ, Acampa W, Anagnostopoulos C, Ballinger J, Bengel F, De Bondt P, Buechel RR, Cuocolo A, van Eck-Smit BL, Flotats A, Hacker M, Hindorf C, Kaufmann PA, Lindner O, Ljungberg M, Lonsdale M, Manrique A, Minarik D, Scholte AJ, Slart RH, Trägårdh E, de Wit TC, Hesse B.
EANM procedural guidelines for radionuclide myocardial perfusion imaging with SPECT and SPECT/CT: 2015 revision.
Eur J Nucl Med Mol Imaging. 2015 Nov;42(12):1929-40.
6. Stehli J, Fuchs TA, Bull S, Clerc O, Possner M, Buechel RR, Gaemperli O, Kaufmann PA. Accuracy of Coronary CT Angiography Using a Submillisievert Fraction of Radiation Exposure: Comparison With Invasive Coronary Angiography.
J Am Coll Cardiol. 2014 Aug 26;64(8):772-80
7. Fuchs TA, Stehli J, Bull S, Dougoud S, Clerc OF, Herzog BA, Buechel RR, Gaemperli O, Kaufmann PA.
Coronary computed tomography angiography with model-based iterative reconstruction using a radiation exposure similar to chest X-ray examination.
Eur Heart J. 2014 May;35(17):1131-6
8. Buechel RR, Husmann L, Herzog BA, Pazhenkottil PA, Nkoulou R, Ghadri JR, Treyer V, von Schulthess P, Kaufmann PA.
Low-dose CT coronary angiography with prospective ECG triggering: Feasibility in a large population.





J Am Coll Cardiol. 2011 Jan; 57: 332-336.

9. Buechel RR, Herzog BA, Husmann L, Burger IA, Pazhenkottil PA, Gaemperli O, Treyer V, Valenta I, von Schulthess P, Wyss CA, Kaufmann PA.

Ultrafast nuclear myocardial perfusion imaging on a new gamma camera with semiconductor detector technique: first clinical validation.

Eur J Nucl Med Mol Imaging. 2010 Apr;37(4):773-8.

10. Herzog BA, Buechel RR, Katz R, Brueckner M, Husmann L, Burger IA, Pazhenkottil PA, Valenta I, Gaemperli O, Treyer V, Kaufmann PA.

Nuclear myocardial perfusion imaging with a novel cadmium-zinc-telluride detector technique: optimized protocol for scan time reduction.

J Nucl Med. 2010 Jan;51(1):46-51. (shared first authorship)





6. Received Hirsch Index (Year / Index)

h-index: **22**

(as of 09/2018, source: Clarivate Analytics' Web of Science)

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

Current cumulative personal impact factor:	493.782
Received personal impact factor 2018:	89.657
Received personal impact factor 2017:	59.506
Received personal impact factor 2016:	54.193
Received personal impact factor 2015:	23.949
Received personal impact factor 2014:	46.179

(as of 09/2018, using current journal impact factors)

8. Why are you interested in joining the EACVI Board (300 words max)?

The aims of the Nuclear Cardiology and Cardiac CT section of the EACVI are to promote education, research, and clinical excellence in the field of cardiac imaging. Without any doubt, the pursuit of these goals in a such rapidly changing field of expertise may be challenging, but it is also one that may be particularly rewarding because I am convinced that cardiac imaging, particularly if a multimodality approach is adopted, holds tremendous potential benefits for our patients and our healthcare systems. It was what has initially encouraged me to get involved in this section as a nucleus member, and it is now the main incentive which has prompted me to go one step further and apply for vice chair of the Nuclear Cardiology and Cardiac CT section of the EACVI.

I believe that my personal and professional background of being a board-certified cardiologist and nuclear medicine physician with clinical and research experience in cardiac CT, nuclear cardiology, cardiac MRI, echocardiography, and hybrid imaging including SPECT/CT, PET/CT, and PET/MR fulfils the requirements of the vice chair position of our section. It is a resource that I would like to put at disposal while serving the cardiovascular imaging community.

Thank you very much for considering my application.