

Elections to EACVI Board and Sections 2016-2018

Application for the position:

Nucleus member (Nuclear
Cardiology & Cardiac CT)



1. Your Identity

Title: Assistant Professor

Family Name(s): Maurovich-Horvat

First Name(s): Pál

Birth Date: 30 October 1978

Type of address: Business

Institute/Organisation: Semmelweis University

Department: MTA-SE Cardiovascular Imaging Research Group, Heart and Vascular Center

Address: 18 Hataror ut

Post Code/Zip: 1122

City: Budapest

Country: Hungary

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2. General Curriculum Vitae (300 words max)

Scientific degrees, titles: MD, PhD, MPH

Current employment and nature of responsibilities:

- Assistant professor, Cardiologist
- Director, Cardiovascular Imaging Research Group
- Director, Clinical Cardiac CT Service

Education:

- 2006 Doctor of Medicine (MD), Semmelweis University, Budapest
- 2008 Doctor of Philosophy (PhD), Semmelweis University, Budapest
- 2012 Master of Public Health (MPH), Harvard University, School of Public Health, Boston, Massachusetts, United States

Research fellowships:

- 2004-2005 Student researcher, Cardiac MR PET CT Program, Massachusetts General Hospital, Harvard University, Boston, MA
- 2008-2010 Postdoctoral Research Fellow, Harvard University, Massachusetts General Hospital, Cardiac MR PET CT Program, Boston, MA

International scientific awards:

- 2009. Siemens Outstanding Achievement Award in Research (SOAR) award finalist
- 2009. Society of Cardiovascular Computed Tomography's Travel Grant
- 2009. Harvard University's Partners Radiology Research Award
- 2011. 1st poster prize at the Annual Conference of Swiss Society of Radiology
- 2012. Best abstract prize, Annual meeting of the SCCT
- 2013. Travel Grant of the Nuclear Cardiology and Cardiac CT, ESC
- 2015. Best Scientific Paper Presentation Award, European Congress of Radiology
- 2015. Travel Grant, Best Abstract Prize, American Diabetes Association, Boston, MA

Research grants:

- 2009. Albert Renold Fellowship of the European Association for the Study of Diabetes
- 2010. Rosztoczy Foundation's Research Grant
- 2012. Magyary Postdoctoral Scholarship
- 2013. Momentum grant of the Hungarian Academy of Sciences

International scientific conference activity

- First authors oral and poster presentations: 57
- Invited lectures: 64
- Invited chairmanships: 11
- Faculty memberships: 8

International teaching activity

- Director and organizer of international Cardiac CT Academies: 17
- International PhD opponent: 2

Professional Society Memberships

- European Society of Cardiology (ESC)
- European Association of Cardiovascular Imaging (EACVI)
- Society of Cardiovascular Computed Tomography (SCCT)
- European Society of Radiology (ESR)
- Radiological Society of North America (RSNA)

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

2009-2014 Secretary, founding member; Cardiac Computed Tomography Working Group of the Hungarian Society of Cardiologists

2012-present Founding member; Cardiac Imaging Section of the Society of Hungarian Radiologists

2013-present Member of the Scientific Advisory Board of the Hungarian Society of Cardiologists

2014-present Board member of the Cardiovascular Imaging Association of the Hungarian Society of Cardiologists

2014-present Nuclear Cardiology and Cardiac CT nucleus member

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

I am a member of the Scientific Advisory Board and the board of the Cardiovascular Imaging Association of the Hungarian Society of Cardiologists.

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5. Publications (please list 10 max)

1. Fox CS, Massaro JM, Hoffmann U, Pou KM, Maurovich-Horvat P, Liu CY, Vasan RS, Murabito JM, Meigs JB, Cupples LA, D Agostino RB Sr, O Donnell CJ, Abdominal visceral and subcutaneous adipose tissue compartments
CIRCULATION 116:(1) pp. 39-48. (2007)
2. Maurovich-Horvat P, Hoffmann U, Vorpahl M, Nakano M, Virmani R, Alkadhi H, The napkin-ring sign: CT signature of high-risk coronary plaques?
JACC-CARDIOVASCULAR IMAGING 3:(4) pp. 440-444. (2010)
3. Maurovich-Horvat P, Kallianos K, Engel LC, Szymonifka J, Fox CS, Hoffmann U, Truong QA, Influence of pericoronary adipose tissue on local coronary atherosclerosis as assessed by a novel MDCT volumetric method
ATHEROSCLEROSIS 219:(1) pp. 151-157. (2011)
4. Maurovich-Horvat P, Schlett CL, Alkadhi H, Nakano M, Otsuka F, Stolzmann P, Scheffel H, Ferencik M, Kriegel MF, Seifarth H, Virmani R, Hoffmann U, The Napkin-Ring Sign Indicates Advanced Atherosclerotic Lesions in Coronary CT Angiography
JACC-CARDIOVASCULAR IMAGING 5:(12) pp. 1243-1252. (2012)
5. Maurovich-Horvat P, Schlett CL, Alkadhi H, Nakano M, Stolzmann P, Vorpahl M, Scheffel H, Tanaka A, Warger WC nd, Maehara A, Ma S, Kriegel MF, Kaple RK, Seifarth H, Bamberg F, Mintz GS, Tearney GJ, Virmani R, Hoffmann U Differentiation of early from advanced coronary atherosclerotic lesions: systematic comparison of CT, intravascular US, and optical frequency domain imaging with histopathologic examination in ex vivo human hearts.
RADIOLOGY 265:(2) pp. 393-401. (2012)
6. Maurovich-Horvat P, Ferencik M, Voros S, Merkely B, Hoffmann U, Comprehensive plaque assessment by coronary CT angiography.
NATURE REVIEWS CARDIOLOGY 11:(7) pp. 390-402. (2014)
7. Maurovich-Horvat P, Kallianos K, Engel LC, Szymonifka J, Schlett CL, Koenig W, Hoffmann U, Truong QA, Relationship of thoracic fat depots with coronary atherosclerosis and circulating inflammatory biomarkers.
OBESITY 23:(6) pp. 1178-1184. (2015)
8. Kolossvary M, Szilveszter B, Edes IF, Nardai S, Voros V, Hartyanszky I, Merkely B, Voros S, Maurovich-Horvat P Comparison of Quantity of Coronary Atherosclerotic Plaques Detected by Computed Tomography Versus Angiography
AMERICAN JOURNAL OF CARDIOLOGY 117:(12) pp. 1863-1867. (2016)
9. Celeng C, Maurovich-Horvat P, Ghoshhajra BB, Merkely B, Leiner T, Takx RA Prognostic Value of Coronary Computed Tomography Angiography in Patients With Diabetes: A Meta-analysis.
DIABETES CARE 39:(7) pp. 1274-1280. (2016)
10. Maurovich-Horvat P, Suhai FI, Czibalmos C, Toth A, Becker D, Kiss E, Ferencik M, Hoffmann U, Vago H, Merkely B Coronary Artery Manifestation of Ormond Disease: The "Mistletoe Sign".
RADIOLOGY 2016 Aug 22:160644. (2016)

6. Received Hirsch Index : Year / Index

Citations: 2293 total /1951 independent

Hirsch index: 15

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

Total Impact factors: 292.3

- 2013 / 10.4
- 2014 / 18.3
- 2015 / 60.7
- 2016 / 52.1

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

We are working in a medical field that poses great public health challenge. I have spent three years in Boston as a postdoctoral fellow at the Massachusetts General Hospital. I have gained a Master's degree in epidemiology at the Harvard School of Public Health to deepen my knowledge in cardiovascular prevention at a societal level.

I returned to Hungary in 2010 and have been appointed to establish the cardiac CT program at the Semmelweis University. Currently, this program represents the largest cardiac imaging program in Hungary. Besides research, my main interest is education. I am the founder and the director of the international Semmelweis Cardiac CT Academy.

As nucleus member of the Nuclear Cardiology and Cardiac CT section I would have the opportunity to participate in the European curriculum and certification development in cardiac CT. Continuous education and training is a prerequisite for a successful certification and I would be happy to join these efforts of EACVI.