

Elections to EACVI Board and Sections 2016-2018

**Application for the
position:**

**Vice Chair CMR
Section**



1. Your Identity

Title: Professor MD FESC

Family Name(s): Valsangiacomo Buechel

First Name(s): Emanuela

Birth Date: 19.7.1966

Type of address: Business

**Institute/Organisation:
University Children's Hospital
Eleonore Foundation**

**Department:
Pediatric Heart Center**

**Address:
Steinwiesstrasse 75**

Post Code/Zip: 8032

City: Zurich

Country: Switzerland

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2. General Curriculum Vitae (300 words max)

Professor Emanuela Valsangiacomo Buechel received her medical degree from the University of Zurich in Switzerland. She trained in Pediatric Cardiology in Zurich (University Children's Hospital) and Toronto (Hospital for Sick Children), where she further specialized in Cardiac Imaging, especially Cardiovascular Magnetic Resonance (CMR).

Since 2002 Professor Valsangiacomo is senior consultant in Pediatric Cardiology at the University Children's Hospital and lecturer at the University of Zurich. She is head of Cardiac Imaging and leading the CMR and the fetal cardiology programs. Professor Valsangiacomo has a strong clinical background; correspondingly, her research is mainly focused on different clinical applications of CMR. In 2006 she obtained her "venia legendi" at the University of Zurich with a thesis on the use of CMR in congenital heart disease, and since 2013 she is adjunct Professor for Pediatrics and Pediatric Cardiology. Her scientific publications include following topics: the function of the right ventricle; validation of advanced CMR technologies in patients with congenital heart disease; the atrial function; the pulmonary circulation. Her research has been rewarded with nine internationally recognized scientific awards.

In addition to clinical research, Professor Valsangiacomo has a strong interest in education. During the last years, she has been promoting and organizing several teaching courses in CMR and echocardiography. Since many years she has been involved in the scientific committee of EuroCMR as well as of the Pediatric Cardiology annual scientific meetings and she is constantly acting as a reviewer for various scientific journals and for abstracts in scientific meetings. Moreover, she has been a leading author in several joint consensus statement CMR papers (see publications) and his actively promoting the accreditation process for practicing congenital CMR.

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

- Since 2011 **Pediatric Executive Committee**, Society for Cardiovascular Magnetic Resonance
- Since 2010 Board member of the **CMR section of EACVI**
- Since 2010 Executive Committee Member of the **Children's Research Centre, University Children's Hospital Zurich**
- 2008 – 2010 Scientific secretary for the **Swiss Society for Pediatric Cardiology**
- Since 2007 Board of the **Imaging Working Group Association for European Pediatric Cardiology, AEPC**
Chair (2007-2010)

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

AEPC (Association for European Pediatric Cardiology)

Board Member of the Imaging Working Group of the– Liaison Officer with CMR Section EACVI

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5. Publications (please list 10 max)

Valsangiacomo Buechel ER, Dave HH, Kellenberger CJ, Dodge-Khatami A, Pretre R, Berger F, Bauersfeld U. Remodelling of the right ventricle after early pulmonary valve replacement in children with repaired tetralogy of Fallot: assessment by cardiovascular magnetic resonance. *Eur Heart J* 2005; 26:2721-27

Kaiser T, Kellenberger CJ, Albisetti M, Bergstraesser E, **Valsangiacomo Buechel ER**. Normal values for aortic diameters in children and adolescents - assessment in vivo by contrast-enhanced CMR-angiography. *J Cardiovasc Magn Reson* 2008; 10:56

Valsangiacomo Buechel ER, Kaiser T, Jackson C, Schmitz A, Kellenberger CJ. Normal right- and left ventricular volumes and myocardial mass in children measured by Steady State Free Precession cardiovascular magnetic resonance. *J Cardiovasc Magn Reson* 2009

Valsangiacomo Buechel ER, Balmer C, Bauersfeld U, Kellenberger CJ, Schwitter J. Feasibility of perfusion cardiovascular magnetic resonance in pediatric patients. *J Cardiovasc Magn Reson* 2009;11 (1):51

Knobel Z, Kellenberger CJ, Kaiser T, Albisetti M, Bergsträsser E, **Valsangiacomo Buechel ER**. Geometry and dimensions of the pulmonary artery bifurcation in children and adolescents: assessment in vivo by contrast-enhanced MR-angiography. *Int J Cardiovasc Imaging* 2011;27:385

Oezcan S, Attenhofer Jost CH, Pfyffer M, Kellenberger C, Jenni R, Binggeli C, Faeh-Gunz A, Seifert B, Scharf C, Kretschmar O, **Valsangiacomo Buechel ER**. Pectus excavatum: echocardiography and cardiac MRI reveal frequent pericardial effusion and right sided heart anomalies. *Eur Heart J Cardiovasc Imaging*. 2012 Aug;13(8):673-9

Wohlmuth C, Kellenberger CJ, Voser EM, Burkhardt BE, **Valsangiacomo Buechel ER**. Cardiac Function After Repair of Tetralogy of Fallot: How are the Atria Performing? Pilot Study by Cardiac Magnetic Resonance Imaging. *Pediatr Cardiol* 2014 Aug 3

Valsangiacomo Buechel ER, Grosse-Wortmann L, Fratz S, Eichhorn J, Sarikouch S, Greil G, Beerbaum P, Bucciarelli-Ducci C, Bonello B, Sieverding L, Schwitter J, Helbing WA. Indications for cardiovascular magnetic resonance in children with congenital and acquired heart disease – An expert consensus paper of the Imaging Working Group of the AEPC and the Cardiovascular Magnetic Resonance Section of the EACVI . *Eur Heart J-Cardiovasc Imaging* 2015 Mar;16(3):281-97

Kawel-Boehm N, Maceira A, **Valsangiacomo Buechel ER**, Vogel-Claussen J, Turkbey EB, Williams R, Plein S, Tee M, Eng J, Bluemke DA. Normal values for cardiovascular magnetic resonance in adults and children. *J Cardiovasc Magn Reson*.2015 Apr 18;17:29.

Franzoso FD, Wohlmuth C, Greutmann M, Kellenberger CJ, Oxenius A, Voser EM, **Valsangiacomo Buechel ER**. Atrial Function after the Atrial Switch Operation for Transposition of the Great Arteries: Comparison with Arterial Switch and Normals by Cardiovascular Magnetic Resonance. *Congenit Heart Dis*. 2015 Dec 18

6. Received Hirsch Index : Year / Index

Hirsch Index 2016 : 18

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

Cumulative Impact Factor 2015 : 290

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

After many years of work in different working groups and professional associations, I would like to make my experience further available for the CMR section of the EACVI.

I like **networking** in an interprofessional and international surrounding and my multilingualism and multiculturalism help me in positive and open interactions.

As vice chair of the CMR section of EACVI, my main goals will include to strength the position of **CMR in clinics and research**; to promote **education** affordable for all European and neighbouring countries; to consolidate the **accreditation process** for the use of CMR in Europe, including congenital CMR.

Important future objectives are the recruitment of new colleagues interested in working for the association and the promotion of large-scale research projects (**big data**).

I strongly believe that **multi-modality imaging** will improve the quality of practicing cardiology in Europe; I am looking forward of being actively involved in the process of shaping EACVI in a true multi-modality Association.