

Elections to EACVI Board 2018-2020

Application for the position:

EACVI Councillor (Echocardiography)



| 1. Your Identity | |
|------------------------|---|
| Title | MD, PhD |
| Family Name(s) | Ajmone Marsan |
| First Name(s) | Nina |
| Birth Date | 12.11.1976 |
| Institute/Organisation | Leiden University Medical Center |
| Department | Heart Lung Center, Department of Cardiology |
| City | Leiden |
| Country | The Netherlands |



2. General Curriculum Vitae (300 words max)

Present Position

Senior Cardiologist, Academic Researcher at the department of Cardiology of the Leiden University Medical Center, The Netherlands. Since 2010

Training and Education

- Graduation cum-laude in Medicine-University of Pavia, Italy.2000
- Specialty cum-laude in Cardiology–University of Pavia, Italy.2005
- PhD fellow at the department of Cardiology, Leiden University Medical Center, The Netherlands (supervisor Prof. J.J. Bax).2006-2009
- Postdoc Fellowship in 3D-echocardiography at Centro Cardiologico Monzino, Milan, Italy.2010

PhD cum-laude, Leiden University Medical Center– thesis:” Incremental value of advanced cardiac imaging modalities for diagnosis and patient management. Focus on 3D-echocardiography and magnetic resonance imaging,ISBN:978-94-6169-133-0

Major Research Interest

Study of cardiac mechanics with multi-modality imaging with focus on novel echocardiographic techniques in cardiovascular diseases, including valvular heart disease, cardiomyopathies and systemic disease. Application of 3D-echocardiography in patients referred for trans-catheter interventions for structural heart disease.

Scientific Output and Honors

- A total of 232 publications in peer-reviewed journals
- 4 book-chapters in international publications including ESC textbook
- Co-promotor of the PhD thesis of: Dr.G. Nucifora, Dr.P. Debonnaire, Dr.E. Joyce, Dr.K.H. Yiu, Dr.U. Hoke, Dr.Y. Hiemstra, Dr. A. van Wijngaarden, Dr.S. van Wijngaarden
- Awarded with the research grant of ESC 2007
- FESC since 2016

Editorial activity

- Member of the Editorial Board of the Journal of the American Society of Echocardiography and of Heart
- Reviewer for Circulation, Circulation Cardiovascular Imaging, JACC, JACC Cardiovascular Imaging, American Journal of Cardiology, European Heart Journal, European Journal of Cardiovascular imaging, American Heart Journal

Congresses and courses

- More than 100 invited talks (including EuroEcho since 2009 and ESC Congress since 2019)
- Abstracts grader for ESC and EACVI congress 2009-2018
- Director of the international courses: “3DEchocardiography: meet with the experts” (endorsed by EACVI) and “Advanced Training Course: Speckle tracking imaging and analysis”

Membership: Dutch Society of Cardiology, ESC, EACVI



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

- EACVI member and FESC since 2016
- Speaker at EACVI teaching courses on TOE and HIT teaching course
- Reviewer for the EACVI documents: "STANDARDIZATION OF LEFT ATRIAL, RIGHT VENTRICULAR AND RIGHT ATRIAL DEFORMATION IMAGING USING 2D SPECKLE TRACKING ECHOCARDIOGRAPHY" and "FOCUS CARDIAC ULTRASOUND CORE CURRICULUM AND CORE SYLLABUS OF THE EUROPEAN ASSOCIATION OF CARDIOVASCULAR IMAGING"
- ESC faculty in: "ESC in Brazil", "ESC in Argentina", "ESC at ASMIHA" Indonesia, and "ESC at GW-ICC", Beijing
- ESC and EACVI congress abstract grader

4. Are you a Board or Nucleus Member of another scientific organisation?Yes ☐ No ☒

If Yes, please specify:



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

1. Hiemstra YL, Debonnaire P,... **Ajmone Marsan N** (2017). Global Longitudinal Strain and Left Atrial Volume Index Provide Incremental Prognostic Value in Patients With Hypertrophic Cardiomyopathy. CIRCULATION.CARDIOVASCULAR IMAGING, doi:10.1161/CIRCIMAGING.116.005706 2017
2. Debonnaire P, Joyce E,...**Ajmone Marsan N** (2017). Left Atrial Size and Function in Hypertrophic Cardiomyopathy Patients and Risk of New-Onset Atrial Fibrillation. CIRCULATION. ARRHYTHMIA AND ELECTROPHYSIOLOGY, doi: 10.1161/CIRCEP.116.004052
3. Joyce E, Kamperidis V,...**Ajmone Marsan N** (2016). Prevalence and Correlates of Early Right Ventricular Dysfunction in Sarcoidosis and Its Association with Outcome. JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY doi:10.1016/j.echo.2016.06.001
4. Hoke U, Auger D,.. **Ajmone Marsan N** (2014). Significant lead-induced tricuspid regurgitation is associated with poor prognosis at long-term follow-up. HEART doi:10.1136/heartjnl-2013-304673 5 2013
5. Witkowski TG, Thomas JD,... **Ajmone Marsan N** (2013). Global longitudinal strain predicts left ventricular dysfunction after mitral valve repair. EUROPEAN HEART JOURNAL.CARDIOVASCULAR IMAGING, doi:10.1093/ehjci/jes155
6. Debonnaire P, Leong DP,... **Ajmone Marsan N** (2013). Left Atrial Function by Two-Dimensional Speckle-Tracking Echocardiography in Patients with Severe Organic Mitral Regurgitation: Association with Guidelines-Based Surgical Indication and Postoperative (Long-Term) Survival. JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY doi: 10.1016/j.echo.2013.05.019
7. Ewe SH, Muratori M...**Ajmone Marsan N** (2011). Hemodynamic and Clinical Impact of Prosthesis-Patient Mismatch After Transcatheter Aortic Valve Implantation. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY doi: 10.1016/j.jacc.2011.08.027
8. **Ajmone Marsan N**,....Magnetic resonance imaging and response to cardiac resynchronization therapy: relative merits of left ventricular dyssynchrony and scar tissue. EUROPEAN HEART JOURNAL, doi: 10.1093/eurheartj/ehp280
9. **Ajmone Marsan N**,... Quantification of Functional Mitral Regurgitation by Real-Time 3D Echocardiography Comparison With 3D Velocity-Encoded Cardiac Magnetic Resonance. JACC. CARDIOVASCULAR IMAGING, doi: 10.1016/j.jcmg.2009.07.006
10. **Ajmone Marsan N**,... Real-time three-dimensional echocardiography permits quantification of left ventricular mechanical dyssynchrony and predicts acute response to cardiac resynchronization therapy. JOURNAL OF CARDIOVASCULARELECTROPHYSIOLOGY, doi:10.1111/j.1540-8167.2007.01056.x





6. Received Hirsch Index (Year / Index)

2007-current: 39

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

Total citations 4364
i10-index: 150

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

I would like to humbly apply as a candidate to the EACVI Board to further contribute to its development, to its respected reputation as a professional organization and to its commitment to promote excellence in clinical diagnosis, research, technical development, and education in cardiovascular imaging.

In particular, considering my main clinical and research expertise in advanced echocardiographic techniques and my deep involvement in basic and advanced teaching courses in echocardiography, I would like to apply as councillor in the section of Echocardiography. Having had also experience in magnetic resonance imaging and cardiac CT, I feel in line with the new EACVI structure and truly believe in the objective of developing a strong multi-modality imaging association.

Research and education have been the core of my activity during the last years. My main goal was to contribute to the development and application in the clinical practice of novel or improved cardiovascular imaging approaches in order to optimize and customized patient management. I also strongly believe in the need to spread and promote this knowledge and the EACVI standards of clinical and research quality in Cardiovascular Imaging, within and outside the European countries.

I would be honored to have the opportunity to contribute to these different areas within EACVI and it would be my privilege to serve EACVI in the future

