

Elections to EACVI Board and Sections 2016-2018

**Application for the
position:**

**Echocardiography
nucleus member**



1. Your Identity

Title: Assist. Prof.

Family Name(s): Cikes

First Name(s): Maja

Birth Date: 10-Mar-1980

Type of address: Business

Institute/Organisation:

University of Zagreb School of Medicine, University Hospital Center Zagreb

Department: Department of Cardiovascular Diseases

Address: Kispaticeva 12

Post Code/Zip: 10000

City: Zagreb

Country: Croatia

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2. General Curriculum Vitae (300 words max)

EDUCATION

<i>Certificate of Advanced Studies in Heart Failure, Faculty of Medicine, University of Zurich, CH</i>	
1st ESC Heart Failure Association Postgraduate Course in Heart Failure	2014 - 2015
<i>University of Zagreb School of Medicine & University Hospital Centre, Zagreb, Croatia</i>	
Internal medicine residency, Cardiology specialty training	2006 - 2013
PhD Study "Biomedicine and Health Sciences" (PhD thesis "A Study of Regional and Global Myocardial Morphology and Function in Various Substrates of Cardiac Remodelling")	2005 - 2009
Study of Medicine (graduated among 10% of the best students in generation)	1998 - 2004

INTERNATIONAL EXPERIENCE

<i>KU Leuven, Leuven, Belgium (Imaging and Cardiovascular Dynamics Laboratory):</i>	
Post-doctoral research period (9 months)	2012
<i>St George's Hospital, London, UK (Echocardiography laboratory):</i>	
Research fellow (6 months)	2008
<i>Mayo Clinic, Rochester, Minn, USA (Division for Cardiovascular Diseases):</i>	
Medical Clerkship (1 month)	2004
<i>Nottingham City Hospital, Nottingham, UK (Medicine department):</i>	
Student exchange programme (2 months)	2003

APPOINTMENTS

<i>University of Zagreb School of Medicine & University Hospital Centre, Zagreb, Croatia:</i>	
Cardiology subspecialist	2014 -
Internal Medicine Specialist, Cardiology Fellow	2011 - 2014
Internal Medicine resident	2006 - 2010
<i>University of Zagreb, School of Medicine, Zagreb, Croatia:</i>	
Assistant Professor (Chair of Internal Medicine)	2014 -
Higher Assistant (Chair of Internal Medicine)	2010 - 2014
Research Fellow - Assistant (Chair of Internal Medicine)	2004 - 2010

SCIENTIFIC AND PUBLISHING ACTIVITIES, MENTORSHIPS, TEACHING EXPERIENCE

Principal Investigator of three and Collaborator on multiple national Scientific Projects
 Author of 34 peer reviewed articles in international journals and 5 book chapters, including
 "Essential Echocardiography: A Companion to Braunwald's Heart Disease" (3 chapters) and "EACVI
 Textbook of Echocardiography" (1 chapter), both in press
 Active participation at 50+ and invited lectures at 20+ international meetings
 Mentor of three ongoing PhD theses
 Mentor of four defended MD theses

AWARDS

Young Investigator Award Winner – Basic Science, EuroEcho-Imaging 2013	2013
Award for exceptional scientific productivity (2007-2011), awarded by the Dean, University of Zagreb School of Medicine	2011
UNESCO L'Oreal award "For Women in Science"	2008
Rector's award, University of Zagreb	2004

REVIEWER APPOINTMENTS

European Society of Cardiology – Clinical practice guidelines national reviewer, abstract reviewer for EuroEcho-Imaging and Heart Failure Association congresses
L'Agence nationale de la recherche – Research projects reviewer
Circulation
European Heart Journal
European Journal of Heart Failure
European Heart Journal – Cardiovascular Imaging
European Heart Journal – Acute Cardiac Care
Journal of American College of Cardiology
JACC Imaging
American Heart Journal
Journal of Applied Physiology
Transplant International

MEMBERSHIPS

European Society of Cardiology
European Association of Cardiovascular Imaging
Heart Failure Association of the ESC
Croatian Society of Cardiology

LANGUAGES

Croatian – native language
English – speak fluently and read/write with high proficiency
French and German – speak, read, and write with basic competence

ORGANIZATIONAL SKILLS

Organizing committee member of 12 international cardiology meetings and 4 courses

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

- Member of the EACVI (formerly EAE): 2005 - current
- Member of the Heart Failure Association of the ESC: 2015 - current
- Member of the Croatian Society of Cardiology, 2004 - current
- European Society of Cardiology – Clinical practice guidelines national reviewer
- European Society of Cardiology – abstract reviewer (EuroEcho-Imaging congress, Heart Failure Association congress)

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

No, I am not a Board or Nucleus Member of another scientific organisation.

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5. Publications (please list 10 max)

1. **Cikes M**, Solomon SD. Beyond ejection fraction: an integrative approach for assessment of cardiac structure and function in heart failure. *Eur Heart J*. 2016 1;37(21):1642-50.
2. Haemers P, Sutherland G, **Cikes M**, Jakus N, Holemans P, Sipido K, Willems R, Claus P. Further Insights In Blood-Pressure Induced Premature Beats. Transient Depolarizations are Associated with Fast Myocardial Deformation upon Pressure Decline. *Heart Rhythm*. 2015;12(11):2305-15.
3. **Cikes M**, Tong L, Sutherland GR, D'hooge J. Ultrafast Cardiac Ultrasound Imaging: Technical Principles, Applications, and Clinical Benefits. *JACC Cardiovasc Imaging*. 2014;7(8):812-823.
4. Barbosa D, Heyde B, **Cikes M**, Dietenbeck T, Claus P, Friboulet D, Bernard O, D'hooge J. Real-time 3D interactive segmentation of echocardiographic data through user-based deformation of B-spline explicit active surfaces. *Comput Med Imaging Graph*. 2014;38(1):57-67
5. Chaudry RA, **Cikes M**, Karu T, Hutchinson C, Ball S, Sutherland G, Rosenthal M, Bush A, Crowley S. Paediatric sickle cell disease: pulmonary hypertension but normal vascular resistance. *Arch Dis Child*. 2011;96(2):131-6
6. **Cikes M**, Sutherland G, Anderson L, Bijnens B. The role of echocardiographic deformation imaging in hypertrophic myopathies. *Nat Rev Cardiol*. 2010;7(7):384-96
7. **Cikes M**, Kalinic H, Baltabaeva A, Loncaric S, Parsai C, Milicic D, Cikes I, Sutherland GR, Bijnens B. The shape of the aortic outflow velocity profile revisited. Is there a relation between its asymmetry and ventricular function in coronary artery disease? *Eur J Echocardiogr*. 2009;10(7):847-57
8. **Cikes M**, Bijnens B, Duric Z, Lovric Bencic M, Gosev I, Velagic V, Gasparovic H, Milicic D, Biocina B. Detecting Volume Responders prior to Implantation of a Cardiac Resynchronization Therapy Device via Minithoracotomy: The Septal Flash as a Predictor of Immediate Left Ventricular Reverse Remodeling. *Heart Surg Forum* 2009;12(6):348-353
9. Bijnens BH, **Cikes M**, Claus P, Sutherland GR. Velocity and deformation imaging for the assessment of myocardial dysfunction. *Eur J Echocardiogr*. 2009;10(2):216-26.
10. Mookadam F, **Cikes M**. Cullen's and Turner's Signs. *N Engl J Med*. 2005;353(13):1386.

6. Received Hirsch Index : Year / Index

- H-index Web of Science: 9 (2004 - 2016)
- H-index Google Scholar: 11 (2004 - 2016)

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

- Cumulative IF 132.556 (2005 - 2016)

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

I am interested in joining the EACVI Echocardiography Nucleus to further promote comprehensive integration of echocardiography into clinical practice, particularly in the growing field of heart failure and arrhythmias: the role of echocardiography in determining the etiology of the disease, monitoring patient symptoms, guiding treatment strategies and predicting outcomes can still be improved. I believe that the pivotal cornerstones in optimising the clinical impact of echocardiography are (integrated) education and promotion of further research in the field, both benefiting from a multimodality, but also multidisciplinary approach.

In accordance with the current educational activities of the EACVI, I would also aim to further tailor these according to specific focuses of cardiology subspecialties, which would benefit from the integration of echocardiography in their training programmes, both on the level of the ESC, but also National Working groups and Societies.

Finally, I would like to strengthen the role of the Nucleus in creating and maintaining a European research network which would be beneficial to all of the Network members, particularly scientists at early stages of their careers.

Pertaining to these goals, I would be honoured to contribute to the activities of the echocardiography Nucleus.