

Elections to the Board 2014-2016

**Application for
the position:
COUNCILLOR**



1. Your Identity

Title: Associate Professor, MD, PhD

Family Name(s): ERNANDE

First Name(s): Laura

Birth Date: 21 March 1978

Type of address: Business

**Institute/Organisation: Henri Mondor University Hospital, Assistance
Publique-Hôpitaux de Paris and Faculté de Médecine de Créteil**

**Department: Department of cardiovascular investigations (Service des
explorations fonctionnelles cardiovasculaires) and INSERM research unit
955 (team 8)**

Address: 51 Avenue du Maréchal de Lattre de Tassigny

Post Code/Zip: 94010

City: Créteil

State / Province:

Country: France

Elections to the Board 2014-2016

2. General Curriculum Vitae (300 words max)

EDUCATION AND DEGREES:

- Medical school, University of Lyon, France (1996-2002)
- Master 2 degree of Engineering in Health, research on myocardial deformation imaging using MRI and echocardiography, University of Lyon (2006)
- Echocardiography degree (2006)
- Doctor of medicine and Cardiology Specialist, University of Clermont-Ferrand, France (2007)
- PhD Thesis on diabetic cardiomyopathy, University of Lyon (2011)
- Associate Professor of Physiology (2013)
- Degree in Statistics for clinical research (2014)

INTERNATIONAL EXPERIENCE

- Post-doctoral research fellowship (2012-2013), Harvard Medical School, Massachusetts General Hospital, Boston, USA

EMPLOYMENT

- Assistant professor of Cardiology, University Hospital of Clermont-Ferrand, France (2007-2009)
- Assistant professor of Physiology, Cardiologist, University Hospital of Lyon, France (2009-2011)
- Associate Professor of Physiology, Cardiologist, Henri Mondor University Hospital, Assistance Publique-Hôpitaux de Paris (2013-present)

MAJOR RESEARCH INTERESTS

Effects of diabetes and obesity on myocardial function
Translational research in metabolic cardiomyopathies
Myocardial function and aging
Quantification of myocardial function
Clinical research, research in small animal models

SCIENTIFIC ASSOCIATION MEMBERSHIP

Member of the European Association of Cardiovascular Imaging
Member of the French Society of Cardiology
Member of the European Society of Cardiology

SCIENTIFIC ACTIVITY

15 peer reviewed papers in major international journals
More than 10 review articles and book chapters
More than 25 invited presentations/chairing at national/international cardiology meetings
42 Abstracts presented to national and international meetings
Reviewer for Eur Heart J Cardiovasc Imaging; Am J Cardiol; Diabetologia; Diabetes; Circ Heart Fail; Cardiovasc Ultrasound; Nutr, Metab Cardiovasc Dis.
Drafting international recommendations

FOREIGN LANGUAGE: Written and spoken English

Elections to the Board 2014-2016

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

1. EAE board member, First Chair of the EAE/EACVI-Club 35 (2010-2012)
2. Past-Chair of the EACVI-Club 35 (2012-present)
3. Member of the EAE/EACVI education committee (2010-present)
4. EuroEcho Imaging Scientific Advisor (2011-present)
5. EAE scientific committee member (2010-2012)
6. Member of the task force for the EACVI/ASE chamber quantification recommendations update
7. Member of the board of the Working Group of the Cardiologists in Training of the French Society of Cardiology (2007-2011)
8. Member of the working group for the 2d cycle of School Medicine of the French National College of Teachers in Cardiology (2007-2009)

4. Publications (please list 10 max)

1. **Ernande L**, Bergerot C, Girerd N, Thibault H, Davidsen ES, Gautier Pignon-Blanc P, Amaz C, Croisille P, De Buyzere ML, Rietzschel ER, Gillebert TC, Moulin P, Altman M, Derumeaux G. Longitudinal strain alteration is associated with subtle left ventricular remodeling in asymptomatic patients with type 2 diabetes. *J Am Soc Echocardiogr* 2014 27(5):479-88.
2. Clerte M, Baron DM, Brouckaert P, **Ernande L**, Raheer MJ, Flynn AW, Picard MH, Bloch KD, Buys ES, Scherrer-Crosbie M. Brown adipose tissue blood flow and mass in obesity: a contrast ultrasound study in mice. *J Am Soc Echocardiogr* 2013 2013 Dec;26:1465-73.
3. **Ernande L**, Cottin V, Leroux PY, Girerd N, Huez S, Mulliez A, Bergerot C, Ovize M, Mornex JF, Cordier JF, Naeije R, Derumeaux G. Right isovolumic contraction velocity predicts survival in pulmonary hypertension. *J Am Soc Echocardiogr* 2012 26:297-306.
4. Derumeaux G, **Ernande L**, Serusclat A, Servan E, Bruckert E, Rousset H, Senn S, Picandet B, Gavini F, Moulin P. Echocardiographic evidence for valvular toxicity of benfluorex: a double-blind randomized trial in patients with type 2 diabetes mellitus. *PLoS One*. 2012;7:e38273.
5. **Ernande L**, Thibault H, Bergerot C, et al. Cine-Displacement ENcoding With Stimulated Echoes (cine-DENSE) MRI identifies systolic myocardial dysfunction in asymptomatic patients with type 2 Diabetes mellitus. *Radiology* 2012;265:402-9.
6. Moubarak G, **Ernande L**, Godin M, Cazeau S, Vicaut E, Hanon O, Zuily S, Tournoux F, Danchin N, Derumeaux G, Mechulan A. Impact of comorbidity on medication use in elderly patients with cardiovascular diseases. The OCTOCARDIO study. *Eur J Prev Cardiol*. 2013;20:524-30.
7. **Ernande L**, Bergerot C, Rietzschel ER, De Buyzere ML, Thibault H, Pignonblanc PG, Croisille P, Ovize M, Groisne L, Moulin P, Gillebert TC, Derumeaux G. Diastolic dysfunction: is-it really the first marker of diabetic cardiomyopathy? *J Am Soc Echocardiogr* 2011; 24:1268-1275.
8. **Ernande L**, Rietzschel ER, Bergerot C, De Buyzere ML, Shnell F, Groisne L, Ovize M, Croisille P, Moulin P, Gillebert TC, Derumeaux G. Impaired myocardial radial function in asymptomatic patients with type 2 diabetes mellitus: a speckle-tracking imaging study. *J Am Soc Echocardiogr* 2010;23:1266-1272.
9. Donal E, Bergerot C, Thibault H, **Ernande L**, Loufoua J, Augeul L, Ovize M, Derumeaux G. Influence of afterload on left ventricular radial and longitudinal systolic functions : a two-dimensional strain imaging study. *Eur J Echocardiogr* 2009;10:914-21.
10. **Ernande L**, Cachin F, Chabrot P, et al. Rest and low-dose dobutamine Tc-99m-mibi gated SPECT for early prediction of left ventricular remodeling after a first reperfused myocardial infarction. *J Nucl Cardiol* 2009;16:597-604.

Elections to the Board 2014-2016

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

Total Impact Factor 2014: 48.90

6. Received Hirsch Index : Year / Index

Hirsch Index 2014: 5

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

Despite my relative young age, it's been 7 years since that I have been involved in the activities of scientific societies. I had the chance to contribute to the exciting process of creation of two committees of young cardiologists, at a national level but also as the first chair of the EACVI-Club35, leading the development of the EACVI young community, which is now a major part of the association. I also took part in other major EACVI projects such as recommendations, educational projects and the Euroecho imaging program.

Being part of the efforts of the EACVI for promoting excellence in all aspects of CVI has been extremely rewarding.

Therefore, I would like to continue to serve the EACVI as a councillor in order to pursue efforts in providing innovative educational programs, research programs, recommendations, support for training of young cardiologists, high-quality congress and to continue to share my passion of CVI with all my European colleagues.