



Application for the following position in the ESC:

*Member of the Nominating Committee*

## 1. Identity

Title: Associate Professor, Dr

Family Name(s): Svennberg

First Name(s): Emma

Birth Date:

Institute/Organisation: Karolinska Institutet, Karolinska University Hospital

Department: Department of Medicine, Huddinge, Department of Cardiology – invasive electrophysiology

Address: Karolinska University Hospital Huddinge, M85

Post Code/Zip: 141 86

City: Stockholm

Country: Sweden

## 2. General Curriculum Vitae, H index and top 10 publications in the last 5 years

### Current position

Specialist physician, Dept of Electrophysiology, Karolinska University Hospital 2020-

### Immediate past position/s

Specialist physician, Dept of Cardiology, Danderyd's University Hospital, Sweden 2016-20

Post-doc combined research position

### Professional training

Specialist, Cardiology	2019
Specialist, Internal medicine	2016
PhD	2016
MD	2006

### Teaching

Main supervisor, present: PhD student Gina Sado, registered 2023

Main supervisor, past: Tove Hygrel, thesis defense 2020

Co-supervisor, present: PhD students Jonatan Fernstad, Sanharib Chamoun, Kajsa Strååt, Sofia Klavebäck

### Scientific activities

- H-index 20
- Publications 74
- PI STROKESTOP I, III National PI EHRA-PATHS
- Holder of several large grants (Scientific council Sweden, CIMED, Heart and Lung foundation)
- Deputy Editor EP Europace

### Top 10 Research papers

1. Svennberg, E., Friberg, L., Frykman, V., Al-Khalili, F., Engdahl, J., & Rosenqvist, M. (2021). Clinical outcomes in systematic screening for atrial fibrillation (STROKESTOP): a multicentre, parallel group, unmasked, randomised controlled trial. *Lancet (London, England)*, 398(10310), 1498–1506.
2. Svennberg, E., Engdahl, J., Al-Khalili, F., Friberg, L., Frykman, V., & Rosenqvist, M. (2015). Mass Screening for Untreated Atrial Fibrillation: The STROKESTOP Study. *Circulation*, 131(25), 2176–2184. <https://doi-org.proxy.kib.ki.se/10.1161/CIRCULATIONAHA.114.014343>
3. Lyth, J.\*, Svennberg, E.\*, Bernfort, L., Aronsson, M., Frykman, V., Al-Khalili, F., Friberg, L., Rosenqvist, M., Engdahl, J., & Levin, L. Å. (2023). Cost-effectiveness of population screening for atrial fibrillation: the STROKESTOP study. *European heart journal*, 44(3), 196–204. \*Shared first author
4. Hygrel, T., Viberg, F., Dahlberg, E., Charlton, P. H., Kemp Gudmundsdottir, K., Mant, J., Hörnlund, J. L., & Svennberg, E. (2023). An artificial intelligence-based model for prediction of atrial fibrillation from single-lead sinus rhythm electrocardiograms facilitating screening. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 25(4), 1332–1338.

**TOP 10 Research papers cont...**

5. Hygrel, T., Stridh, M., Friberg, L., & Svennberg, E. (2021). Prognostic Implications of Supraventricular Arrhythmias. *The American journal of cardiology*, 151, 57–63
6. Fredriksson, T., Gudmundsdottir, K. K., Frykman, V., Friberg, L., Al-Khalili, F., Engdahl, J., & Svennberg, E. (2020). Brief episodes of rapid irregular atrial activity (micro-AF) are a risk marker for atrial fibrillation: a prospective cohort study. *BMC cardiovascular disorders*, 20(1), 167.
7. Friberg, L., & Svennberg, E. (2020). A diagnosis of atrial fibrillation is not a predictor for pulmonary embolism. *Thrombosis research*, 195, 238–242.
8. Westerlund, E., Fili, A., & Svennberg, E. (2022). Prolonged electrocardiography registration does not lead to increased diagnosis of atrial fibrillation in pulmonary embolism patients, but sex affects generic health-related quality of life: Findings from a randomized clinical trial. *Medicine*, 101(48), e32197.
9. Svennberg, E., Jacobs, K., McVeigh, E., Pretorius, V., & Birgersdotter-Green, U. (2019). Computed Tomography-Guided Risk Assessment in Percutaneous Lead Extraction. *JACC. Clinical electrophysiology*, 5(12), 1439–1446.
10. Svennberg, E., Tjong, F., Goette, A., Akoum, N., Di Biase, L., Bordachar, P., Boriani, G., Burri, H., Conte, G., Deharo, J. C., Deneke, T., Drossart, I., Duncker, D., Han, J. K., Heidbuchel, H., Jais, P., de Oliveira Figueiredo, M. J., Linz, D., Lip, G. Y. H., Malaczynska-Rajpold, K., ... Sinner, M. (2022). How to use digital devices to detect and manage arrhythmias: an EHRA practical guide. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 24(6), 979–1005.

### 3. Previous experience(s) within, ESC, Associations and National Cardiac Society

#### Activities for EHRA:

- m-Health coordinator 2018-2020
- Digital committee, chair 2020-2022
- Digital committee, co-chair 2022-
- Board Member 2018-2022
- Scientific Programme Committee, member 2021-
- Deputy Editor, EP Europace 2023-

#### Activities for ESC:

- Digital committee, member 2022-
- ESC TV Today, Editorial board 2022-
- E-cardiology, WG, member 2023-

#### Activities for National Cardiac Society:

- Cardiologists of Tomorrow's Swedish branch, chair 2015-17

### 4. Motivation to join ESC Nominating committee

My commitment with the ESC started when I was offered the opportunity to become mHealth coordinator for the European Heart Rhythm Association (EHRA), which was an EHRA board position at the time. I quickly came to enjoy my work for EHRA; not only the friendships built, but the genuine enthusiasm the members of the association had for teaching, learning from each other, and generously extending their knowledge to others. Although I was quite junior at the time, I still felt genuine support of my ideas and an opportunity for growth. This led to the start of the digital committee of the EHRA; for which I was the inaugural chair.

This opportunity to grow amongst a peer group was important for me, and I have since come to recognize this as a strong feature of the ESC and the Associations. I believe that diversity is key within any society, association and working group; and that we should strive to build inclusive structures that reflects the members of the society, with representation across ESC countries, gender, nationalities and age ranges.

The ESC Nominating Committee's work is important to me as I believe that the volunteers involved are the most important assets for the society and the work of the nominating committee can provide the basis for a strong foundation for years to come.