

Statement Sofie Brouwers, Application for the role of 'Secretary' for the Nucleus Board of the Council on Hypertension

Since September 2020, I have had the privilege to act as the 'Young Community Officer' within the Nucleus Board of the Council on Hypertension. Within this role, I participated in the meetings of our board, thereby actively promoting for an inclusion of young cardiologists in the various activities organised by the council. Due to the many restrictions related to Covid, during my first two years as 'Young Community Officer', no in-person events and conferences took place, which limited our activities to online events. This difficult period also offered some unique opportunities and allowed us to rapidly enhance our digital presence. In my role as nucleus board member, I for instance lead a clinical case discussion series that focuses on interactive participation of the young community (the series are now being produced).

I would be delighted to continue to work in the Nucleus Board of the Council on Hypertension, now in the role of secretary, to help further shaping the future of the Council. In this role, I will further guide and assist new activities, both in person and online, helping us to build a strong and inclusive Council on Hypertension. Thank you for your confidence.

Sofie Brouwers, MD PhD

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SHORT BIO

Belgian Nationality

EDUCATION

Cardiac rehabilitation specialist
Since 2021

PHD MEDICINE

VRIJE UNIVERSITEIT BRUSSEL &
BOSTON UNIVERSITY
2011-2015 | Fellow of the
Research Foundation – Flanders (FWO)

MSC MEDICINE

VRIJE UNIVERSITEIT BRUSSEL
2008-2011 | Summa Cum Laude

BSC MEDICINE

VRIJE UNIVERSITEIT BRUSSEL
2004-2007 | Magna Cum Laude

SKILLS

Arterial Hypertension
Dyslipidemia
Preventive Cardiology
Cardiac Rehabilitation

LANGUAGES

Dutch (mother tongue)
French (fluent)
English (fluent)
German (very well spoken)

PROFESSIONAL EXPERIENCE

CARDIOLOGY

Since 2019 | Staff member OLVZ Aalst

- Hypertension Clinic, Lipid Clinic, Cardiac Rehabilitation, Non-invasive Imaging

2016 - 2019 | Trainee in Cardiology, University Hospital Zürich & OLVZ Aalst

ACADEMIC

Since 2022 | Professor, Vrije Universiteit Brussel

- Lecturer and Examiner 'Arterial Hypertension' (1st year MSc), since 2019 guest professor
- Lecturer and examiner 'Clinical Pharmacology' (3rd year BSc)

SELECTED PUBLICATIONS

- Barbato E, Azizi M, Schmieder RE, Lauder L, Böhm M, Brouwers S et al (2023) Renal denervation in the management of hypertension in adults. A clinical consensus statement of the ESC Council on Hypertension and the European Association of Percutaneous Cardiovascular Interventions (EAPCI). Eur Heart J
- Gerdtts, Sudano, Brouwers et al (2022) Sex differences in arterial hypertension. Eur Heart J
- Brouwers et al. (2021) Arterial Hypertension. Lancet
- Brouwers (2018) Drug-adherence after myocardial infarction: The role of patients and physicians. Eur J Prev Cardiol
- Brouwers et al (2015) Hypotensive and myopathoinhibitory responses to selective central AT2 receptor stimulation in spontaneously hypertensive rats. Clin Sci
- Faul, Schoors, Brouwers et al (2014) Creation of an iliac arteriovenous shunt lowers blood pressure in chronic obstructive pulmonary disease patients with hypertension. J Vasc Surg
- Brouwers et al. (2013) AT2 receptor-mediated and nitric oxide dependent renal vasodilator response to compound 21 unmasked by ACE-inhibition in spontaneously hypertensive rats in vivo. Hypertension
- Dupont and Brouwers (2010) Brain angiotensin peptides regulate sympathetic tone and blood pressure. J Hypertens

SELECTED INVITED TALKS on Hypertension

- ESC 2023, Amsterdam, 'Hypertension with chronic coronary syndromes: simplifying complexity' and 'Renal denervation: preprocedural workup and patient selection'
- PCHF 2023, London, 'Hypertension and Heart failure'
- EuroPCR 2023, Paris, 'Role of RDN in hypertension', 'Review of clinical data on RDN'
- pre-ESH Congress Satellite Symposium 2023, Athens, 'How to build a RDN program'
- BSC 2023, Brussels, 'Holistic approach in the management of hypertensive patients'
- Zürcher Hypertonietag 2023, Zürich, 'Therapie der arteriellen Hypertonie: quo vadis?'
- ESC 2022, Barcelona, 'Recommendation for future clinical trials in RDN: hypertension and beyond'
- EuroPCR 2022, Paris, 'Patient selection for renal denervation-who is the ideal candidate?'
- Hypertension update on Covid 2021 of the Belgian Hypertension Committee BHC, Brussels
- ESC 2020, online, 'Drugs and Devices in Hypertension'
- EuroPCR 2019, Paris, 'Catheter-based renal denervation – Back in routine clinical practice?'
- EuroPCR 2019, Paris, 'What's new in hypertension treatment'
- Hypertension update 2019 of the Belgian Hypertension Committee BHC, Brussels
- ESC 2018, München, 'Blood pressure, arterial phenotype and risk'
- EuroPCR 2018, Paris, 'Treating hypertension in daily practice'
- ESC 2017, Barcelona, 'Hypertension in 90 minutes'
- EuroPCR 2017, Paris, 'Device-based interventional therapies for hypertension'
- Cardiology Update 2017, Davos, 'Meet the Expert - CVD prevention in the EU & US'
- ISH/APSH Hypertension Summer School 2015, Beijing

SELECTED AWARDS AND GRANTS

Sixteen grants and awards, including:

2014 ESH-ISH, Athens (Greece), Poster Prize Alberto Ferrari

2014 ECCR, Poiano (Italy), Best Oral Presentation Award

2013 FWO Travel Grant for long stay abroad at Boston University (19 k€)

2013 Foundation Mathilde Horlait-Dapsens grant for research stay at Boston University (18 k€)

2012 ISH, Sydney (Australia), Certificated finalist for the Austin Doyle Award

2012 ISH New Investigators Symposium, Sydney (Australia), Oral Presentation Award

2011 FWO PhD Fellowship (135 k€)

ENGAGEMENT IN SCIENTIFIC COMMUNITY

• Faculty, chairing, abstract reviewing and poster judging at international conferences, including: EuroPCR 2017-2023; ESC 2017-2023 ESH-ISH 2020; ISH 2016, 2018; ECCR 2016

• Active roles in International Societies:

Board member Belgian Society of Cardiology (BSC) (2023- ...)

Nucleus Board Member of the ESC Council on Hypertension, Young Community Officer (2020-2024)

Active member of the ISH Membership Committee (2018-...)

Lead of the ISH New Investigator Committee Network and Recruitment WG (2016-2018)

ISH Emerging Leader (2016-...)

Active member of the ISH Women in Hypertension Research Committee (2015-2020)

Active member of the ISH Regional Advisory Group Western Europe and North America (2015-2020)

Active ISH Corporate Liaison Committee member (2014-2018)

Active ISH New Investigator Committee member of the Networking and Mentorship WG (2014-2016)

Active ISH New Investigator Committee member of the Finance WG (2013-2014)

Active ISH New Investigator Committee member of the Recruitment WG (2013)

Research Fellow and member of the ISH New Investigators Network (2011)