

Professor Paul Boon



Paul Boon graduated “magna cum laude” as an **M.D.** from Ghent University (Belgian university listed in top 100 Shanghai World Universities) in 1985. Studied at Bowman Gray Medical School, Winston-Salem, NC, USA and Yale University Medical School, New Haven, CT, USA, and Ghent University

Board-certified neurologist in 1990, setting up the epilepsy monitoring unit, expanding the EEG laboratory and clinic facilities for patients with epilepsy and neurological sleep disorders at Ghent University Hospital.

Founded in 1992 4Brain, a clinical and experimental laboratory for translational neurophysiological, neurobiological and neuropsychological research.

Ph.D. in 1994 “Refractory lesional epilepsy, clinical and neurophysiological localisation” (Promotors: Prof. J. De Reuck, Ghent University and Prof. P. Williamson, Yale University)

Hospital Physician Management Degree in 2002 from the Leuven-Gent Vlerick School of Management, Belgium.

Paul Boon has introduced comprehensive **presurgical evaluation** and **epilepsy surgery** in Belgium in the early 1990s and he has pioneered innovative quantitative diagnostic techniques such as source localization of epileptiform activities (dipole modelling) in the EU. He also introduced **VNS and DBS for epilepsy**, many first-in-man applications in the Benelux (VNS and ANT-DBS), EU (EASEE) and worldwide (closed-loop VNS).

>800 A1 publications in peer-reviewed international journals (including Lancet, New England Journal of Medicine, Lancet Neurology, Nature Neurology Rev, Neurology, Annals of Neurology, Epilepsia, Eur J Neurology and Seizure, among others) in the field of epilepsy, neuropsychiatry and sleep worldwide

Promotor of >60 PhDs; trained >100 neurology residents since 2004.

Former president of Belgian League against Epilepsy (BLE) and former member of several commissions of International League against Epilepsy (ILAE)

Present positions

Senior Full Professor of Neurology at Ghent University, Belgium

Chairman of the Head, Neck and Nervous System Division at Ghent University Hospital (neurology, psychiatry, neurosurgery, ophthalmology, otorhinolaryngology, head and neck surgery, dentistry, orthopaedic surgery, physical medicine and rehabilitation, rheumatology)

Acting-Chairman of the Department of Dentistry at Ghent University Hospital

Leading epileptologist of the Centre for Neurophysiological Monitoring (CNM) at Ghent University Hospital

Director 4Brain, translational research laboratory dealing mainly with mechanisms-of-action-related research on innovative pharmacological, neuromodulation and genetic therapies.

Chairholder of Neuromodulation at the Department of Electrical Engineering at Eindhoven University of Technology, The Netherlands.

R&D strategic advisor to the board of directors of Kempenhaeghe, a tertiary care center for epilepsy, sleep and neurocognitive disorders in Heeze, The Netherlands

Past-President of the European Academy of Neurology (EAN) and **Co-chairman** of The Brain Health Mission

Member of Board of Directors of TRAINM, BRAINM and Artevelde Hogeschool