

## 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