

Curriculum Vita

Personal

Name: DE RIDDER

First name: Dirk

Birth-place Ghent, Belgium

Date of birth: August 6, 1966

Civil status: Separated: Ongena Karin, General Surgeon

Children: Stijn born 1999, Maarten born 2001

Father: Leo De Ridder, Professor Emeritus of Histology, University Ghent, Belgium

Mother: Hilde Symoens, Professor Emeritus of History, University Ghent, Belgium & Free University of Amsterdam, The Netherlands



Education

Primary education and secondary school:

1978-1984: Sint- Lievenscollege Ghent, Belgium

1984-1985: Albuquerque and Santa Fe High School, New Mexico, USA

University

Medical School, University Ghent, Belgium

1985-1986: Distinction

1985-1986: Distinction

1986-1987: Distinction

1987-1988: Distinction

1988-1989: Great distinction

1989-1990: Distinction

1990-1991: Distinction

1991-1992: Great distinction

1991-1992: Internship: Sint-Vincentius Hospital, University Ghent and General Hospital Kigali (Rwanda).

06.07.1992: Medical Doctor

Residency Neurosurgery 1992-1998

1992-1993: Neurology, Dr. P. Daems, H.Serruys Hospital, Ostend, Belgium
1993-1994: General surgery, Dr. L. Berwouts, Sint Vincentius Hospital, Deinze, Belgium
1994-1995: Neurosurgery, Dr. L. De Waele, Sint Vincentius Hospital, Ghent, Belgium
1995-1996: Neurosurgery, Prof. dr. R. Van Der Merwe, University Hospital Durban, South Africa
1996-1997: Neurosurgery, Dr. De Waele, Sint Vincentius Hospital, Ghent, Belgium
1997-1998: Neurosurgery, Prof. dr. J. Brotchi, Erasmus University Hospital, Brussels, Belgium
19.11.1998 Certified Neurosurgeon

PhD in Medical Sciences

April 2005: Antwerp University, Belgium: ‘a Darwinian neurosurgical approach to tinnitus’

Professorship

Jan 2006: Visiting professor at the Department of Neurosurgery, University Hospital Antwerp, Belgium.
Jan 2011: 5% ZAP as professor of Neuromodulation and Neurosurgery University Antwerp, Belgium.
Feb 2013: Neurological Foundation professor of Neurosurgery, Department of Surgical Sciences, Dunedin School of Medicine, University of Otago, New Zealand.

Positions Held

Nov 1998 - Oct 1999: Neurosurgeon, St. Lucas Hospital, Ghent, Belgium
Feb 2000 – December 2012: Neurosurgeon University Hospital Antwerp, Belgium
Mar 2006 – Sept 2007: Acting head, Department of Neurosurgery, University Hospital Antwerp, Belgium
Mar 2008: Founder and director of BRAI²N (Brain Research center Antwerp for Innovative & Interdisciplinary Neuromodulation)
Sept 2008: Founder and director of TRI Tinnitus Clinic (TRI: Tinnitus Research Initiative)
Feb 2013: Neurological Foundation chair of Neurosurgery, Otago University, Dunedin, New Zealand

Teaching

- Neurosurgery course at University of Butare, Rwanda, 2^{de} doctorate, 2004-2007
- Neurology course at University of Butare, Rwanda, 2^{de} doctorate, 2005-2007
- Systems Neuroscience (auditory neurophysiology), University Antwerp, Belgium
- Religion, morality and the Brain, University Antwerp, Belgium
- Applied human neuroscience (462) at University of Otago, New Zealand

Guest Professor Lecture

- University of Antwerp, Belgium
- University of Ghent, Belgium
- University of Brussels, Belgium
- University of Regensburg, Germany
- New York State University, Buffalo, USA
- University of Ann Arbor, Michigan, USA
- Wayne State University, Detroit, USA
- Hasan Seoul University Hospital, South Korea
- University Hospital Shanghai, China
- University of Texas at Dallas, USA
- University of Illinois at Chicago

Neurosurgical Interests

- Skull base surgery, pituitary surgery, acoustic neuroma surgery
- Microvascular decompression surgery
- Surgery for tinnitus
- Electrical and magnetic brain stimulation

Scientific Philosophy

- Strong proponent of translational neuroscience
- First to do surgical treatment for hemilingual spasm
- First to do microvascular decompression for abducens spasm
- First to do primary auditory cortex implant for tinnitus
- First to do secondary auditory cortex implant for tinnitus
- First to do frontal cortex implant for tinnitus
- First to do amygdalohippocampal implant for tinnitus
- First to do somatosensory cortex implants for deafferentation pain
- First to do C2 implant for tinnitus
- First to apply burst stimulation clinically on auditory cortex and on spinal cord

- First to implant electrodes on dACC for tinnitus
- First to implant electrodes on dACC for alcohol addiction (yet unpublished)

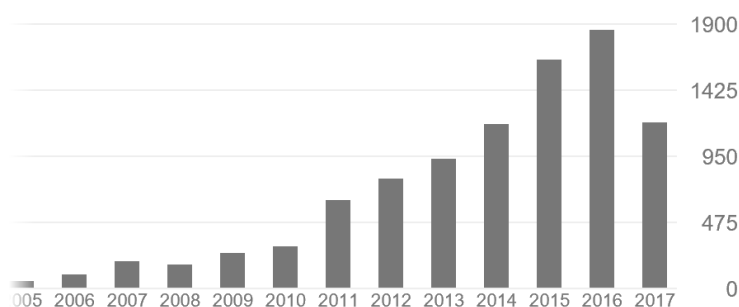
Patents

| Title | Publication/ *Patent N° | Type | Filed | Publication Date | Date of Patent |
|---|----------------------------|-------------|------------|---------------------|-------------------|
| 1. System and Method for Nested Neurostimulation | 20160074663 | Application | 11/09/2016 | 17/03/2016 | |
| 2. Systems and Method for Tactile C-Fiber Stimulation | 20160074664 | Application | 10/09/15 | 17/03/16 | |
| 3. Systems and Methods of Treating a Neurological Disorder in a Patient | 20150343215 | Application | 2/06/2015 | 3/12/2015 | |
| 4. Methods for Treating Mild Cognitive Impairment and Alzheimer's Disease | 20150290460 | Application | 2/03/2015 | 5/10/2015 | |
| 5. Electrical Stimulation System and Method for Stimulating Tissue in the Brain to Treat a Neurological Condition | 20150223721 | Application | 21/04/2015 | 13/08/2015 | |
| 6. Stimulation Design for Neuromodulation | 20150088212 | Application | 21/11/2014 | 26/03/2015 | |
| 7. Spinal Cord Stimulation to Treat Pain | *8934981 | Grant | 16/07/2012 | | 13/01/2015 |
| 8. Stimulation Design for Neuromodulation | *8897870 | Grant | 18/03/2013 | | 25/11/2014 |
| 9. Use of a New Stimulation design to Treat Neurological Disorder | 20140155960 | Application | 10/02/2014 | 5/06/2014 | |
| 10. Stimulation of the Amygdalohippocampal Complex to Treat Neurological Conditions | *8738140 | Grant | 10/06/2013 | | 27/05/2014 |
| 11. Use of a new Stimulation Design to treat Neurological Disorder | *8682441 | Grant | 30/08/2011 | | 25/3/2014 |
| 12. Stimulation System and Method for treating Fragile Bone Disorders | *8620440 | Grant | 13/08/2012 | | 31/12/2013 |
| 13. Stimulation of the Amygdalohippocampal Complex to Treat Neurological Conditions | 20130282075 | Application | 10/06/2013 | 24/10/2013 | |
| 14. Treatment of Tinnitus and | 20130230586 | Application | /10/2010 | 5/10/2013 | |

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|--|-------------|-------------|------------|------------|-------------|
| Related Auditory Dysfunctions | | | | | |
| 15. Stimulation of the Amygdalohippocampal Complex to treat Neurological Conditions | *8463387 | Grant | 6/08/2012 | | 11/6/2013 |
| 16. Stimulation Design for Neuromodulation | *8401655 | Grant | 8/12/2011 | | 19/03/2013 |
| 17. Combination of Tonic and Burst Stimulations to treat Neurological Disorders | *8364273 | Grant | 24/04/2008 | | 29/01/2013 |
| 18. Electrical Stimulation System and Method for Stimulating Tissue in the Brain to treat Neurological Condition | *8364271 | Grant | 15/07/2009 | | 29/01/2013 |
| 19. Stimulation of the Amygdalohippocampal Complex to treat Neurological Conditions | 20130018435 | Application | 6/08/2012 | 17/01/2013 | |
| 20. Stimulation System and Method for treating Fragile Bone Disorders | 20130018437 | Application | 13/08/2012 | 17/01/2013 | |
| 21. Stimulation of the Amygdalohippocampal complex to treat Neurological Conditions | *8239029 | Grant | 12/10/2009 | | 7/08/2012 |
| 22. Spinal Cord Stimulation to treat Pain | *8224453 | Grant | 12/3/2008 | | 17/07/20012 |
| 23. Stimulation Design for Neuromodulation | 20100262205 | Application | 28/05/2010 | 14/10/2010 | |
| 24. Peripheral Nerve Stimulation to treat Auditory Dysfunction | 20100256707 | Application | 2/11/2009 | 7/10/2010 | |
| 25. Stimulation Design for Neuromodulation | *7734340 | Grant | 20/10/2005 | | 8/06/2010 |
| 26. Spinal Cord Stimulation to treat Auditory Dysfunction | *7613520 | Grant | 20/10/2005 | | 3/11/2009 |
| 27. Peripheral nerve stimulation to treat auditory dysfunction | *7613519 | Grant | 20/11/2005 | | 3/11/2009 |
| 28. Stimulation of the Amygdalohippocampal Complex to Treat Neurological Conditions | *7603174 | Grant | 20/10/2005 | | 13/10/2009 |
| 29. Electrical Stimulation System and Method for Treating Tinnitus | 20080065170 | Application | 9/11/2007 | 13/03/2008 | |
| 30. Electrical Stimulation system and Method for Treating Tinnitus | *7315761 | Grant | 19/11/2004 | | 1/01/2008 |
| 31. Peripheral nerve stimulation to treat auditory dysfunction | 20060095090 | Application | 20/10/2005 | 4/05/2006 | |
| 32. Electrical Stimulation System and Method for Stimulating Tissue in the Brain to treat Neurological Condition | 20060004422 | Applicatoin | 11/03/2005 | 5/01/2006 | |
| 33. | | | | | |

Publications

| | All | Since 2012 |
|-----------|------|------------|
| Citations | 9509 | 7645 |
| h-index | 53 | 49 |
| i10-index | 164 | 150 |



Collected 22/10/2017 from google scholar via Dirk De Ridder

Book co-edited

Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011

Book Chapters (n=35)

1. Van de Heyning P.H., Claes J., Boudewyns A., Hamans E., Koekelkoren E., Brokx J., **De Ridder D.** Surgical management of hearing impairment in audiological medicine. In: Textbook of audiological medicine. Luxon L. [edit.], e.a., London, Dunitz, 2003, p. 603-637
2. Van de Heyning P.H., Lambrechts P., Van der Kelen K., **De Ridder D.** Tinnitus: functionele evaluatie. In Praktische audiologie en audiometrie/ Glen Forton (ed) 2005, p203-9
3. **Dirk De Ridder**, Tomas Menovsky, Paul van de Heyning. Is tinnitus a central auditory processing disorder ? in McFarland D, Cacace A: Controversies in Central Auditory Processing Disorder. Plural Publishing, San Diego, USA, 2008

4. **Dirk De Ridder**, Berthold Langguth, Mark Plazier, Tomas Menovsky. Moral Dysfunction: theoretical model and potential neurosurgical treatments in J Verplaetse et al (ed): The Moral Brain: Essays on the evolutionary and neuroscientific aspects of morality 2009, 155-183
5. **Dirk De Ridder**, Berthold Langguth, Mark Plazier, Elsa van der Loo, Tim Vancamp, Jan Ost, Olivier Meeus, Stefan Sunaert, Silvia Kovacs, Tomas Menovsky, Paul Van de Heyning. Auditory cortex stimulation for tinnitus, in Canavero (ed) Textbook of Therapeutic Cortical Stimulation. Nova Science Publishers, New York 2009, 353-362
6. Berthold Langguth, **Dirk de Ridder**, P. Eichhammer, G. Hajak. TMS for tinnitus, in Canavero (ed) Textbook of Therapeutic Cortical Stimulation. Nova Science Publishers, New York 2009, 337-352
7. **Dirk De Ridder**, Berthold Langguth. L'acufene e la corteccia uditiva, in Acufeni. Del Bo Luca (ed) 2009:21-47
8. Berthold Langguth, **Dirk de Ridder**. La TMS nel trattamento dell'acufene. Del Bo Luca (ed) 2009:145-155
9. Berthold Langguth, **Dirk De Ridder**. Stimolazione elettrica cerebrale per il trattamento dell'acufene. Del Bo Luca (ed) 2009:155-165
10. Langguth B, Landgrebe M, Hajak G, **De Ridder D**, Kleinjung T. Tinnitus and Transcranial Magnetic Stimulation (TMS) in Judit Mally (ed): Repetitive transcranial magnetic stimulation (rTMS) in the treatment and rehabilitation of central nervous diseases, in press
11. Berthold Langguth, **Dirk De Ridder**. rTMS for tinnitus in Coben & Evans (eds) Neurofeedback and neuromodulation: techniques and applications, Academic Press (Elsevier), London, UK, 2011: 293-319
12. **D De Ridder**. The neurosurgeon, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011: 237-244
13. B Langguth, **D De Ridder**. Objective signs of tinnitus in humans: findings from neuroimaging in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:145-148
14. B Langguth, **D De Ridder**. Functional neuroimaging in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:149-156
15. **T Kleinjung**, D De Ridder. Causes of Tinnitus, Introduction, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:277-278

16. **D De Ridder**, A Moller. Microvascular compression of the vestibulocochlear nerve in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:327-336
17. B Langguth, Eberhard Biesinger, Luca Del Bo, **D De Ridder et al.** Algorithm for the diagnostic and therapeutic management of tinnitus in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:381-386
18. B Langguth, T Kleinjung, **D De Ridder**. Clinical characteristics of different forms of tinnitus : Introduction in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:447-448
19. **D De Ridder**. Pulsatile Tinnitus, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:467-476
20. **D De Ridder**, B Langguth. Posttraumatic Tinnitus in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:511-516
21. **D De Ridder**. Vestibular schwannoma and tinnitus, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:681-686
22. B Langguth, **D De Ridder**. Neuromodulation, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:687-690
23. S Vanneste, **D De Ridder**. tDCS, a new tool for the treatment of tinnitus in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:711-716
24. **D De Ridder**, S Vanneste. Cortical electrical stimulation, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:717-726
25. **D De Ridder**. A heuristic model, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:171-198
26. **D De Ridder**, A Moller. Similarities between pain and tinnitus treatment, in Textbook of Tinnitus. A Moller, T Kleinjung, **D De Ridder**, B Langguth, (ed). Springer, New York, USA, 2011:753-762
27. M Plazier, I Dekelver, S Vanneste, **D De Ridder**. Peripheral nerve stimulation for fibromyalgia, in K Slavin (ed): Prog Neurol Surg. 2011;24:133-46
28. Berthold Langguth, **Dirk De Ridder**, Tobias Kleinjung, Ana Belén Elgoyhen. Chapter 12: Treatment: Pharmacological, rTMS, Epidural and Deep Brain Stimulation. Springer Handbook of Auditory Research, 2011 (in press)

29. Berthold Langguth, Ana Belén Elgoyhen, **Dirk De Ridder**, Richard J. Salvi in G Celesia (ed): Handbook of Clinical Neurophysiology, Volume 10, Chapter 18: Positive Spontaneous Auditory Phenomena: Tinnitus (in press)
- 30.** Berthold Langguth, **Dirk De Ridder** in Lozano & Hallet (ed): Handb Clin Neurol. 2013;116C:441-467.
31. **Dirk De Ridder**, Sven Vanneste, Jae-Jin Song, Berthold Langguth. Surgical Brain Stimulation for Tinnitus. Textbook of Cortical Brain Stimulation. Ed; Sergio Canavero. Degruyter Open, 2014
32. Johnson, R.D., **De Ridder, D.**, & Gillet, G. Neurosurgery to enhance brain function: Ethical dilemmas for the neuroscientist and society. In S. Thompson (Ed.), Global issues and ethical considerations in human enhancement technologies. Hershey, PA: Information Science Reference (2014).
33. Slavin K, Carayannopoulos A, Plazier M, Vanneste S, **De Ridder D.** Chapter 3: Peripheral Nerve Stimulation in H. Knotkova and D. Rasche (eds.), Textbook of Neuromodulation, Springer 2014
34. **Dirk De Ridder**, Sven Vanneste, Patrick Manning, Gavin Cape, Paul Glue. Pathophysiology – based neuromodulation for addictions. An overview in Neuropathology of Drug Addictions and Substance Misuse
35. Berthold Langguth, Tobias Kleinjung, **Dirk De Ridder.** Chapter 11: Therapeutic applications of rTMS for tinnitus, in Therapeutic rTMS in Neurology - Principles, Evidence, and Practice Guidelines
36. **Dirk De Ridder**, Tim Vancamp, Sven Vanneste. Fundamentals of Burst Stimulation, Chapter 14 in Krames (eds). Neuromodulation, 2nd edition
37. **Dirk De Ridder**, Theresia Stöckl, Wing Tin To, Berthold Langguth, Sven Vanneste. Non-invasive transcranial magnetic and electrical stimulation: working mechanisms, Chapter 8, in (Evans & Turner) Rhythmic Stimulation Procedures for Neuromodulation

Papers (268, of which 245 pubmed listed)

A. Pubmed listed papers

2. L. De Ridder, Cornelissen R, **D. De Ridder.** Autologous spheroid culture: a screening tool for human brain tumour invasion. Crit Rev Oncol Hematol. 2000; 36(2-3):107-22. Review
3. **D. De Ridder**, A. Moller, J. Verlooy, M. Cornelissen, L. De Ridder. Is the root entry zone important in microvascular compression syndromes? Neurosurgery 51(2):427-434,2002

4. **D. De Ridder**, G. Alessi, M. Lemmerling, H. Fransen L.De Waele. Hemilingual spasm: a new neurosurgical entity. J of Neurosurgery 97:205-7,2002
5. Van Havenbergh T, Koekelkoren E, **De Ridder D**, Van de Heyning P, Verlooy J. Image guided neurosurgery for petrous apex lesions. Acta Neurochirurgica 145(9):737-42, 2003
6. **D. De Ridder**, G. De Mulder, V. Walsh, N Muggleton, S Sunaert, A. Moller. Auditory cortex stimulation for intractable tinnitus. J of Neurosurgery, 100:560-4,2004
7. **D. De Ridder**, A. Moller, H. Ryu, V.Nowé, P. Van de Heyning, J. Verlooy. Functional anatomy of the human cochlear nerve and its role in microvascular compression for tinnitus. Neurosurgery 54(2):381-8,2004
8. Nowe V, Michiels JL, Salgado R, **De Ridder D**, Van de Heyning PH, De Schepper AM, Parizel PM . High-resolution virtual MR endoscopy of the cerebellopontine angle. Am J Roentgenol. 182(2):379-84, 2004
9. **De Ridder D**, De Ridder L, Thierens B, Nowé V, Pieters L, Verlooy J, Van de Heyning P. Pulsatile tinnitus and the intrameatal vascular loop. Neurosurgery 57(6): 1213-7, 2005
10. **D. De Ridder**, A. Moller, H. Ryu, V.Nowé, P. Van de Heyning, J. Verlooy. Frequency specific hearing improvement in microvascular decompression of the cochlear nerve. Acta Neurochir 147(5):495-501, 2005
11. **D. De Ridder**, E Verstraeten, K Van Der Kelen, A. Moller, G De Mulder , P. Van de Heyning, J. Verlooy. Transcranial magnetic stimulation for tinnitus : influence of tinnitus duration on stimulation parameter choice and maximal tinnitus suppression. Otology and Neurotology, 26(4):616-9, 2005
12. Nowe V, **De Ridder D**, Van de Heyning PH, Wang XL, Gielen J, Van Goethem J, Ozsarlak O, De Schepper AM, Parizel PM. Does the location of a vascular loop in the cerebellopontine angle explain pulsatile and non-pulsatile tinnitus? Eur Radiol. 14(12):2282-9, 2004
13. Kovacs S, Peeters R, Smits M, **De Ridder D**, Van Hecke P, Sunaert S. Activation of cortical and subcortical auditory structures at 3T by means of a fMRI paradigm suitable for clinical use. Invest Radiol. 2006 ;41(2):87-96
14. **De Ridder D**, De Mulder G, Kovacs S, Smits M, Sunaert S, Verstraeten E, Van Der Kelen K, Van de Heyning P, Moller A. Primary and secondary auditory cortex stimulation for intractable tinnitus ORL J Otorhinolaryngol Relat Spec. 2006;68(1):48-54
15. **D De Ridder**. Religie in de slaapkwab. Is het Godsbesef een product van de hersenen. Mores 244 (50): 66-69, 2005
16. Smits M, Kovacs S, **De Ridder D**, Peeters R, Van Hecke P, Sunaert S. Lateralization of functional magnetic resonance imaging (fMRI) activation in the auditory pathway of patients with lateralized tinnitus. Neuroradiology. 2007 Aug;49(8):669-679

17. **D De Ridder**, H Fransen, O Francois, P Van de Heyning. Amygdalohippocampal involvement in tinnitus and auditory memory. *Acta Otolaryngol Suppl.* 2006 (556):50-3.
18. L Salembier, **D De Ridder**, P Van de Heyning. The use of flupirtine in the treatment of tinnitus. *Acta Otolaryngol Suppl.* 2006 Nov;(556):93-5.
19. Londero, B. Langguth, **D. De Ridder**, P. Bonfils, J.P. Lefaucheur. Repetitive transcranial magnetic stimulation (rtms): a new diagnostic and therapeutic approach in subjective tinnitus? *Neurophysiol Clin.* 2006 May-Jun;36(3):145-55
20. **Dirk De Ridder**, Karin M. Heijneman, Benno C.M. Haarman, Elsa van der Loo. Tinnitus in vascular conflict of the eighth cranial nerve: a surgical pathophysiological approach to ABR changes. *Prog Brain Res.* 2007;166:401-11
21. Menovsky T, **De Ridder D.** Hydrodissection versus high-pressure water jet dissection (letter). *Microsurgery.* 2007;27(4):354.
22. **Dirk De Ridder**, Tomas Menovsky. Neurovascular compression of the abducens nerve causing abducens palsy treated by microvascular decompression. Case report. *J Neurosurg* 2007 107:1231–1234.
23. **Dirk De Ridder**, Tomas Menovsky, Carl Van Laer, Paul van de Heyning. Remote tentorial meningioma causing sudden sensorineural deafness. *Surgical Neurology* 67, 2008; 70(3):312-7 (Discussion 318).
24. **Dirk De Ridder**, Koen Van Laere, Patrick Dupont, Tomas Menovsky, Paul van de Heyning. Visualizing out of body experience in the brain. *N Engl J Med.* 2007 357(18):1829-33
25. **Dirk De Ridder**, Paul van de Heyning. The Darwinian Plasticity Hypothesis for Tinnitus and Pain. *Prog Brain Res.* 2007;166:55-60
26. Langguth B, Goodey R, Azevedo A, Bjorne A, Cacace A, Crocetti A, Del Bo L, **De Ridder D** et al Consensus for tinnitus patient assessment and treatment outcome measurement: Tinnitus Research Initiative meeting, Regensburg, July 2006. *Prog Brain Res.* 2007;166:525-36
27. **D De Ridder**, G De Mulder, T Menovsky, S Sunaert, S Kovacs. Electrical stimulation of auditory and somatosensory cortices for treatment of tinnitus and pain. *Prog Brain Res.* 2007;166:377-88
28. Dominique Van Diest, Hendrik De Raeve, Jozef Claes, Paul M. Parizel, **Dirk De Ridder**, Patrick Cras. Paraneoplastic Opsoclonus-Myoclonus-Ataxia (OMA) syndrome in an adult patient with esthesioneuroblastoma. *J Neurol.* 2008 Apr;255(4):594-6.
29. **Dirk De Ridder**, Elsa Van der Loo, Karolien Van der Kelen, Tomas Menovsky, Paul van de Heyning, Aage Moller. Theta, alpha and beta burst transcranial magnetic stimulation: brain modulation in tinnitus. *Int J Medical Sciences*, 4(5):237-241, 2007

30. **Dirk De Ridder**, Elsa Van der Loo, Karolien Van der Kelen, Tomas Menovsky, Paul van de Heyning, Aage Moller. Burst and tonic magnetic transcranial stimulation modulate the lemniscal and extralemniscal system differentially. *Int J Medical Sciences*, 4(5):242-6, 2007
31. Plazier M, Menovsky T, **De Ridder D**. A simple technique for bridging small dural defects without the use of grafts. Technical note. *Minim Invas Neurosurg* 2007; 50: 308 – 310
32. Menovsky T, **De Ridder D**. A simple intraoperative technique for hemostasis of a cervical venous plexus bleeding. Technical report. *Neurosurgery*. 2008 May;62(5 Suppl 2):ONS442-4; discussion ONS444
33. Menovsky T, **De Ridder D**, de Vries J. Neurosurgical patties and their intraoperative interaction with neural tissue. *Surgical Neurology* 71 (2009) 326–329
34. **De Ridder D**, De Mulder G, Kovacs S, Smits M, Sunaert S, Verstraeten E, Van Der Kelen K, Verlooy J, Van de Heyning P, Moller A. Auditory cortex stimulation for tinnitus. *Acta Neurochir Suppl*. 97(pt2):451-62, 2007
35. **De Ridder D**, De Mulder G, Kovacs S, Smits M, Sunaert S, Verstraeten E, Moller A. Somatosensory cortex stimulation for deafferentation pain. *Acta Neurochir Suppl*. 97(pt2):67-74, 2007
36. **De Ridder D**, Smits M, Kovacs S, Peeters R, Van Hecke P, Sunaert S Comment on Dr. Folmer's letter to the editor entitled "Lateralization of neural activity associated with tinnitus". *Neuroradiology*. 2007 Aug;49(8):693-6
37. **D De Ridder**, T Menovsky, P Van de Heyning. An otoneurosurgical approach to non-pulsatile and non-pulsatile tinnitus. *B-ENT*. 2007;3 Suppl 7:79-86
38. Van de Heyning P, Lefevre P, **De Ridder D**. Tinnitus: from cochlear to cortical. *B-ENT*. 2007;3 Suppl 7:1-2
39. P. Van de Heyning, O.Meeus, C.Blaivie, K.Vermeire, A.Boudewyns, **D. De Ridder**. Tinnitus: a multidisciplinary clinical approach. *B-ENT*. 2007;3 Suppl 7:3-10.
40. K. Demeester, A. van Wieringen, JJ. Hendrickx, V. Topsakal, L. Van Laer, E. Fransen, G. Van Camp, **D. De Ridder**, P. Van de Heyning. Prevalence of tinnitus and audiometric shape. *B-ENT*. 2007;3 Suppl 7:37-49
41. M Thimineur, **D De Ridder**. C2 area neurostimulation: a surgical treatment for fibromyalgia. *Pain Med*. 2007 Dec;8(8):639-46.
42. Michael D. Seidman, **Dirk De Ridder**, Kost Elisevich, Susan M. Bowyer, Ilaaf Darrat, Jason Dria, Brad Stach, Quan Jiang, Norman Tepley, James Ewing, Marlee Seidman, Jinsheng Zhang. Direct Electrical Stimulation of Heschl's Gyrus for Tinnitus Treatment. *Laryngoscope* 108, Dec 2008; 118(3):491-500.

43. Vermeire K, Heyndrickx K, **De Ridder D**, Van de Heyning P. Phase-shift tinnitus treatment: an open prospective clinical trial. *B-ENT*. 2007;3 Suppl 7:65-9.
44. Boudewyns AN, Declau F, **De Ridder D**, Parizel PM, van den Ende J, Van de Heyning PH. Case report: "Auditory neuropathy" in a newborn caused by a cerebellopontine angle arachnoid cyst. *Int J Pediatr Otorhinolaryngol*. 2008 Jun;72(6):905-9
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2. **D. De Ridder**, H. Colle en L. De Waele: “Laparoscopic Anterior Interbody Fusion: Lessons Learned during the Learning Curve in European Association of Neurosurgical Societies” Zaragosa, Spain. 20/2-22/2/1997
3. **D. De Ridder**, H. Colle en L. De Waele: “Laparoscopic Anterior Interbody Fusion: Lessons Learned during the Learning Curve” for the Belgian Society of Neurosurgery. 15/3/1997
4. **D. De Ridder**, H. Colle en L. De Waele : “A modified transfacial open door technique to the clivus : the nasomaxillary cheek flap” for the Belgian Society of Neurosurgery. 14/3/1998
5. **D. De Ridder**: “Microvasculaire Decompressies bij Craniale Zenuwpathologie” symposium organised for general medicine, ENT and neurology. Ghent 12/11/1998
6. H. Colle, L. De Waele, **D. De Ridder**: “Surgical Microscope Navigation” for the Belgian Society of Neurosurgery 14/3/1998
7. **D. De Ridder**: “Microvascular Decompression Syndromes : Diagnosis and Treatment” Durban, South Africa op 4/3/1999
8. **D. De Ridder**, H. Colle, G. Alessi, L. De Waele, H. Fransen: “The role of neurosurgery in the treatment of Ménière and disabling positional vertigo” for the Belgian Society of Neurosurgery” Brussels: 13/3/1999
9. **D. De Ridder**, H. Colle, L. De Waele: A modified transfacial open door technique to the clivus : the nasomaxillary cheek flap te Aspen, Colorado op het International Winter

Congress on Minimally Invasive Techniques, 23/3/1999

10. **D. De Ridder:** De chirurgische anatomie van de n. vestibulocochlearis op de 2de multidisciplinaire vergadering voor neurootologie, 27/5/1999
11. **D. De Ridder, L. Cesteley**n : Styloidectomy for facial pain op de Belgische Vereniging voor Neurochirurgie, 18/3/2000.
12. **D. De Ridder** : Neurochirurgie - een jonge discipline met explosieve groei op Wetenschapsweek 2000 Antwerpen, 23 en 26/10/2000.
13. **D. De Ridder** : De neurochirurgische behandeling voor tinnitus op studiedag tinnitus te Gent, 16/11/2000
14. **D. De Ridder** : Future treatments for tinnitus te Durban, Zuid-afrika, 24/11/2000
15. **D. De Ridder** : Analogy Pain / Tinnitus voor LOK groep NKO in Universitair Ziekenhuis Antwerpen, 13/2/2001
16. **D. De Ridder, B. Kegelaers, B. Hummelink, T. Van Havenbergh, J. Verlooy** : Hemilingual spasm, a new neurosurgical entity ? op de Belgische Vereniging voor Neurochirurgie op 10/3/2001
17. **D. De Ridder, J. Verlooy, P. van de Heyning** : Brainstem and cortical stimulation for intractable tinnitus, a theoretical framework op het VIIth International Tinnitus Seminar, in Fremantle, Australia, 5-9/3/2002
18. **D. De Ridder, T. Van Havenbergh, B. Kegelaers, G. De Mulder, K. Engelborghs, J. Verlooy** : Optic nerve protection in orbitozygomatic craniotomies op de Belgische Vereniging voor Neurochirurgie op 23/3/2002-04-05
19. **D. De Ridder:** "Modulation of brain function in tinnitus" invited speaker on first scientific meeting of the Benelux neuromodulation Society, Leuven 2003, november 21-2
20. **D De Ridder, G De Mulder, J Verlooy, P Van de Heyning** : Ménière's disease or cochleovestibular compression syndrome, ENT World Conference Caïro, Egypt, 28/9-03/10/2002
21. **D De Ridder.** Auditory cortex stimulation for intractable tinnitus. Paris, France, 16/6/2003, France Acouphène.
22. **D De Ridder:** De chirurgische behandelingen voor tinnitus. Vereniging van huisartsen Roeselaere. 23/10/2003
23. **D De Ridder, Gert De Mulder et al.** "The intrameatal vascular loop: a new cause for pulsatile tinnitus" for the Belgian Society of Neurosurgery. Brussels : 27/3/2004

24. **D De Ridder.** “An evolutionary neurobiological approach of consciousness” Tucson, Arizona USA, the Consciousness 2004 congress 6-12/4/2004
25. **D De Ridder.** “Auditory cortex stimulation for intractable tinnitus”. German Society for Neurosurgery, 27/04/2004
26. **D De Ridder.** Auditory cortex stimulation for intractable tinnitus. WIPS, Barcelona, Spain, 21/09/2004
27. **D De Ridder, G De Mulder.** Sensory cortex stimulation for phantom sensations. INS, Rome, 10/06/2005
28. **D De Ridder.** De maakbare mens : met ons brein op de sofa. Ethische aspecten van hersenstimulatie. Brugge, 14/06/2005
29. **De Ridder D, De Mulder G, Kovacs S, Smits M, Sunaert S, Verstraeten E, Van Der Kelen K, Verlooy J, Van de Heyning P, Moller A.** Auditory cortex stimulation for tinnitus. VIIIth International Tinnitus Seminar, Pau, France September 5-10, 2005
30. **D De Ridder, H Fransen, O Francois, P Van de Heyning.** Amygdalohippocampal involvement in tinnitus. VIIIth International Tinnitus Seminar, Pau, France September 5-10, 2005
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32. **D De Ridder,** Auditory cortex stimulation for tinnitus, Regensburg, Germany, 5/11/2005 (invited speaker)
33. **D De Ridder,** Auditory cortex stimulation for tinnitus. KU Leuven, Belgium 17/11/2005, 2005
34. **D De Ridder,** Somatosensory cortex stimulation for tinnitus. BNS, Ghent 19/11/2005 (invited speaker)
35. **De Ridder D,** Surgical treatments for tinnitus. NIH workshop Washington, USA 5-6/12/2005 (invited speaker)
36. **D De Ridder.** Brain meets Art. Ghent, Belgium. 23/01/2006
37. **D De Ridder.** Somatosensory Cortex Stimulation for phantom pain. Research club, Antwerp University, Belgium 02/02/2006
38. **D De Ridder.** Tinnitus and the brain. University of Iowa, USA. 07/02/2006

39. **D De Ridder.** Zit het Godsbesef in de hersenen ? March 22, 2006, University of Antwerp, Belgium
40. **D De Ridder.** Working mechanisms of cortex stimulation in tinnitus and pain (invited speaker). Seventh Invitational Conference on Pain: New and Innovative Developments in Electrical Stimulation. April 7, 2006 Alkmaar, The Netherlands
41. **D De Ridder.** Magnetic and electrical brain stimulation for intractable tinnitus (invited speaker). May 16, Geneva, University Hospital, Switzerland
42. **D De Ridder.** Direct electrical stimulation for tinnitus, Regensburg, Germany July 27-29, 2006 (invited speaker)
43. **D De Ridder.** TMS for tinnitus. University of Iowa, USA. September 22 2006 (invited keynote speaker, guest of honour)
44. **D De Ridder.** Auditory cortex stimulation for tinnitus. University of Iowa, USA. September 23 2006 (invited keynote speaker, guest of honour)
45. **D De Ridder.** Neuroscience and tinnitus. Bristol, UK. (invited speaker) September 2006
46. **D De Ridder.** Behandelingen voor oorsuizen. NVVS, Hoorn, The Netherlands 12/10/2006
47. **D. De Ridder, B. Haarman, K. Heijneman, P. Van de Heyning.** Microvascular compressions and tinnitus: A pathophysiological ABR study. The 2nd Shanghai International Conference on Physiological Biophysics, China 3-7/11/2006
48. **D. De Ridder, S. Kovacs , R. Peeters, S. Sunaer, E. Van der Loo, P. Van de Heyning.** The effect of C2 stimulation on tinnitus: A clinical study. The 2nd Shanghai International Conference on Physiological Biophysics, China 3-7/11/2006
49. **D. De Ridder, P. Van de Heyning.** Darwinian plasticity and phantom phenomena. The 2nd Shanghai International Conference on Physiological Biophysics, China 3-7/11/2006
50. **S. Kovacs, D. De Ridder, R. Peeters, S. Sunaert.** The effect of C2 stimulation on auditory brain activity: An fMRI study. The 2nd Shanghai International Conference on Physiological Biophysics, China 3-7/11/2006
51. **D De Ridder.** Auditory cortex stimulation for tinnitus (invited speaker). November 17, 2006 Venlo, The Netherlands. Nederlands Tinnitus Platform
52. **D De Ridder.** A practical surgical approach to tinnitus. (invited speaker). January 15, 2007 Namur, Belgium

53. **D De Ridder.** Magnetic and electrical stimulation for phantom perceptions. Applied psychophysiology and biofeedback annual conference, February 18, 2007, Monterey, CA, USA (invited lecture)
54. **D De Ridder.** Neurostimulation for tinnitus and phantom pain. Ann Harbor school of biomedical science, Michigan, USA. February 21, 2007 (invited lecture)
55. **D De Ridder.** Magnetic and electrical stimulation for phantom sound and phantom pain. Biofeedback Society Europe, annual conference, March 1-2, 2007, Berlin, Germany (invited speaker)
56. **D De Ridder, T Menovsky.** De chirurgische behandeling van aneurysmata. March 3, Antwerp, Belgium
57. **D. De Ridder, K Heijnen, B Haarman, T Menovsky, E Van der Loo.** MVD for tinnitus. A pathophysiological approach. BVNC, March 17, 2007
58. **D De Ridder.** Ventriculoperitoneal Shunts for tinnitus. A Belgian Pilot study. 15th hydrocephalus symposium, March 20, 2007 Montreux, Switzerland (invited lecture)
59. **D De Ridder.** Met ons brein op de sofa. Lessius hogeschool Antwerpen, march 28, 2007
60. **D De Ridder.** God, vrije wil en onze hersenen. UA, march 29, 2007
61. **D De Ridder.** Tinnitus, een operatieve oplossing. XXIII conference of Nederlandse vereniging voor klinische fysiologie, April 20, Doorwerth, Netherlands (invited speaker).
62. **D De Ridder.** Oorsuizen: toch behandelbaar ? Symposium Belgische vereniging voor neurovepleegkundigen, April 26, Blankenberge, Belgium (invited speaker).
63. **D De Ridder.** Tinnitus and Vertigo. What can pain medicine learn from tinnitus ? International Spinal Injection Society, April 28, 2007Antwerp, Belgium (invited speaker).
64. **D De Ridder.** Translating Walter Freeman into clinical neurosurgical practise. Applied neuroscience for a healthy brain conference, May 19, 2007 Nijmegen, The Netherlands.
65. **D De Ridder.** C2 stimulatie: meer dan alleen pijnonderdrukking ? op symposium Het Kwaliteitssysteem Neuromodulatie: "Validatie en Beheer", Alkmaar, the Netherlands, June 29, 2007 (invited speaker).
66. **D De Ridder.** Combining a fast exploratory with solid scientific approach: trying to square the circle. Second Tinnitus Research Initiative meeting, July 17-21, 2007, Monaco.
67. **D De Ridder, P van de Heyning, A Moller.** Electrical stimulation in pain and tinnitus. Second Tinnitus Research Initiative meeting, July 17-21, 2007, Monaco.

68. **D De Ridder.** Burst TMS for noise-like tinnitus. Second Tinnitus Research Initiative meeting, July 17-21, 2007, Monaco.
69. **D De Ridder.** A comprehensive brain model for tinnitus. Second Tinnitus Research Initiative meeting, July 17-21, 2007, Monaco.
70. **D De Ridder,** E van der Loo. Modulating thalamocortical dysrhythmia. September 6-9, 2007, International Society for Neural Regulation, San Diego, California, USA (invited keynote speaker).
71. **D De Ridder,** P van de Heyning, E van der Loo, J Ost. rTMS as a preoperative test for tinnitus. Société Française de ORL, October 14-16, 2007 Paris, France (invited speaker).
72. **D De Ridder,** P van de Heyning How we perceive sound and tinnitus, Loreta EE G and source localization: Application for cochlear implants. Hearing preservation workshop Antwerp, October 19-20, 2007, Antwerp, Belgium (invited speaker).
73. **D De Ridder,** God en de hersenen. Guest lecture at Dept of philosophy, October 22, 2007, University Ghent, Belgium.
74. **D De Ridder,** M Thimineur, M Plazier. C2 stimulation for fibromyalgia. BNS, November 9-10, Brussels, Belgium. 2007 (invited speaker).
75. **D De Ridder,** The brain and tinnitus. BNS November 9-10, 2007. Brussels, Belgium (invited lecture).
76. **D De Ridder,** E van der Loo, M Plazier, P van de Heyning. The brain and phantom perceptions: tinnitus. November 16, 2007. Konstanz, Germany (invited lecture).
77. **D De Ridder,** P van de Heyning. Cortical stimulation for tinnitus: a pathophysiological approach. Belgian ENT Meeting, November 17, 2007, Namen, Belgium.
78. **D De Ridder,** M Thimineur. Brain and nerve stimulation for mood enhancement. Neuroenhancement workshop, November 28, 2007, Ghent, Belgium .
79. **D De Ridder.** De hersenchirurg als breintemmer: vloek of zegen. ActUA lezing, January 2008, Antwerp, Belgium.
80. **D De Ridder.** Hersenen, moraliteit en religie. Foras. February 6, 2008, Antwerp, Belgium .
81. **D De Ridder,** Burst stimulation: a new form of paresthesia free spinal cord stimulation, Vienna, Austria, March 13, 2008 (invited lecture).

82. **D De Ridder**, Brain stimulation for mood enhancement, Vienna, Austria, March 13, 2008 (invited lecture).
83. **D De Ridder**, Hersenmechanismen bij stotteren, Antwerpen, March 21, 2008 (invited lecture) .
84. **D De Ridder**, De hersenen van psychopaten en pedofielen, behandelbaar door hersenstimulatie ? Vlaamse Koninklijke Academie voor wetenschappen, May 13, 2008 (invited lecture).
85. **D De Ridder**, Neuroplasticity and the brain: a heuristic model applied. 16th European Congress of Physical and Rehabilitation Medicine. From Cell to society. June 3-6, 2008. Brugge, Belgium.
86. **D De Ridder**, Burst stimulation: a new form of paresthesia free spinal cord stimulation, Stockholm, Sweden, June 12, 2008 (invited lecture)
87. **D De Ridder**, Brain stimulation for mood enhancement, Stockholm, Sweden, June 12, 2008 (invited lecture)
88. **D De Ridder**, Beckett and neurosciences in SONDE 07#08: ACTOR #1 van Kris Verdonck, Festival de théâtre d'Avignon, France, July 21, 2008 (invited scientist)
89. **D De Ridder**, What's new in pain suppression? Somatosensory cortex stimulation. IASP World Congress of Pain, Glasgow, Scotland, August 18, 2008 (invited lecture ANSMedical)
90. **D De Ridder**, An Evolutionary Approach to Brain Rhythms and its Clinical Implications for Brain Modulation. ISNR San Antonio, Texas, USA, August 28, 2008 (invited lecture)
91. **D De Ridder**, Spinal cord stimulation for FBSS, Leiden, The Netherlands, SJM neurostimulation workshop (invited speaker), September 11-12, 2008
92. **D De Ridder**, Auditory cortex stimulation for tinnitus, ENT Grand Rounds Henry Ford Health Services, Detroit USA, September 13, 2008 (invited lecture)
93. **D De Ridder**, A heuristic model for tinnitus applied clinically, Wayne State University, Detroit USA, September 13, 2008 (invited lecture)
94. **D De Ridder**, From basic auditory neuroscience to TMS to implanted electrodes USA, international tinnitus forum at AAO-HNS Chicago USA, September 16, 2008 (invited lecture, guest of honor)
95. **D De Ridder**, C2 stimulation for fibromyalgia at World Congress of Psychiatry, Prague, Czech Republic, September 23, 2008
96. **D De Ridder**, The neural correlate of tinnitus at World Congress of Psychiatry, Prague, Czech Republic, September 24, 2008

97. **D De Ridder**, Neurosurgical treatments for tinnitus at World Congress of Psychiatry, Prague, Tcech Republic, September 24, 2008
98. **D De Ridder**, implanting electrodes for tinnitus suppression, Milano, Italy October 6, 2008 (invited lecture)
99. **D De Ridder**, M Plazier, P Jorens, Thalamic stimulation for MCS and PVS: a heuristic model. Liege coma science group, Liege, October 10, 2008
100. **D De Ridder**, Functional anatomy of the brain, BVNVAntwerp, November 13, 2008
101. **D De Ridder**, Cortex stimulation BVNVAntwerp, November 13, 2008
102. **D De Ridder**, The future of neuromodulation BVNVAntwerp, November 13, 2008
103. **D De Ridder**, Imaging out of body experiences and the “self”, Belgian society for anesthesia and resuscitation, Ostend, Belgium, November 15, 2008 (invited lecture)
104. **D De Ridder**, Clinial and ethical challenges for artificial manipulation of consciousness: Deep Brain Stimulation, Ghent, Belgium, November 20, 2008 (invited lecture)
105. **D De Ridder**, Beckett and neurosciences in SONDE 07#08: ACTOR #1 van Kris Verdonck, Kaaithheater, Brussels, Belgium, February 15, 2009 (invited scientist)
106. **D De Ridder**, Beckett and neurosciences in SONDE 07#08: ACTOR #1 van Kris Verdonck, Vooruit, Ghent, Belgium, March 14, 2009 (invited scientist)
107. **D De Ridder**, The Beauty and the brain, Baxter workshop, Vienna, Austria, March 26, 2009 (invited lecture)
108. **D De Ridder**, Met ons brein op de sofa, Universitaire permanente vorming, Free University Brussels, March 30, 2009 (invited lecture)
109. **D De Ridder**, Darwin en het brein, Studium Generale Maastricht, The Netherlands, April 2, 2009 (invited lecture)
110. **D De Ridder**, A Heuristic model for tinnitus, on Second International Tinnitus symposium, Antwerp, Belgium, April 22, 2009
111. **D De Ridder**, neurostimulation for tinnitus, on Second International Tinnitus symposium, Antwerp, Belgium, April 22, 2009
112. **D De Ridder**, Darwintrilogie: Darwin en de hersenen, Monty, Antwerp, Belgium, April 28, 2009 (invited lecture)
113. **D De Ridder**, Tinnitus: a heuristic model, TRI brainstorm meeting Cernobbio, Italy, May 10-13, 2009 (invited talk)

114. **D De Ridder**, Het maakbare brein, VOC Mechelen, May 28, 2009 (invited lecture)
115. **D De Ridder**, Burst stimulation: a new form of paresthesia free spinal cord stimulation, Vienna, Austria, June 1, 2009 (invited lecture)
116. **D De Ridder**, Brain stimulation for mood enhancement, Vienna, Austria, June 1, 2009 (invited lecture)
117. **D De Ridder**, A heuristic model of the brain, on the opening symposium of the Brain Research center Antwerp for Innovative & Interdisciplinary Neuromodulation, Antwerp, Belgium, June 19, 2009
118. **D De Ridder**, Our Posthuman Nietzschean Future, on the opening symposium of the Brain Research center Antwerp for Innovative & Interdisciplinary Neuromodulation, Antwerp, Belgium, June 19, 2009
119. **D De Ridder**, Pulsatile Tinnitus, Italian Course on Tinnitus, Stresa, Italia, June 22, 2009 (invited speaker)
120. **D De Ridder**, A heuristic pathophysiological model for tinnitus, Stresa, Italy, TRI Tinnitus symposium (Keynote speaker). June 23-25, 2009
121. **D De Ridder**, Auditory cortex stimulation for tinnitus. University Hospital Leipzig, Germany. July 6, 2009 (invited speaker)
122. **D De Ridder**, A heuristic pathophysiology for tinnitus. Buenos Aires, Argentina. July 21, 2009 (invited speaker)
123. **D De Ridder**, Limbic dysrhythmia and delta pathology. Indianapolis, USA, September 6, 2009 (invited speaker)
124. **D De Ridder**, A heuristic pathophysiology for phantom percepts. Indianapolis, USA, September 6, 2009 (keynote speaker)
125. **D De Ridder**, Surgically implanted electrodes as a treatment for tinnitus, 9th World congress of the International Neuromodulation Society, Seoul, Korea. September 11-15, 2009
126. **D De Ridder**, Burst stimulation: towards paresthesia free spinal cord stimulation, 9th World congress of the International Neuromodulation Society, Seoul, Korea. September 11-15, 2009
127. **D De Ridder**, Tinnitus: pathophysiology and treatments. University Hospital Seoul, Korea. September 16, 2009 (invited lecture)
128. **D De Ridder**, Neurostimulatie voor hoofdpijn en oorsuizen. Joint meeting of Belgian and Dutch neurosurgical societies. Maastricht, The Netherlands, September 19, 2009 (invited lecture)

129. **D De Ridder.** Darwin and brain evolution. What is evolution ? conference, Kyoto, Japan. October 15-18, 2009 (invited lecture)
130. **D De Ridder.** Tinnitus: a heuristic model. XX Semana Nacional de lucha contra la sordera. Buenos Aires, Argentina. October 21-23, 2009 (invited lecture)
131. **D De Ridder.** Brain stimulation for tinnitus. XX Semana Nacional de lucha contra la sordera. Buenos Aires, Argentina. October 21-23, 2009 (invited lecture)
132. **D De Ridder.** Met ons brein op de sofa, Anzegem, Belgium. November 19, 2009 (invited speaker)
133. **D De Ridder.** Ons Maakbare brein. Actua Aalst Belgium. November 9, 2009 (invited lecture)
134. **D De Ridder.** Neuromodulation for Addiction, University Antwerp, Belgium. November 20, 2009 (invited speaker)
135. **D De Ridder.** Ons maakbare brein. Schoten, Belgium, November 26, 2009 (invited speaker)
136. **D De Ridder.** New treatments in tinnitus. Dag van het gehoor, Ghent, Belgium. November 27, 2009
137. **D De Ridder.** Imaging techniques in neurosurgery. GIPSA Lab Grenoble, France. January 27, 2010 (invited lecture)
138. **D De Ridder & Jan Verplaetse.** Het geheugen en het morele brein. Uit het geheugen symposium. Kortrijk, Belgium February 4, 2010 (invited lecture)
139. **D De Ridder & Jan Verplaetse.** Het geheugen en het morele brein. Uit het geheugen symposium. Ghent, Belgium February 4, 2010 (invited lecture)
140. **D De Ridder, Steven Laureys.** Debat over bewustzijn. iBRAIN, Ghent, Belgium March 6, 2010
141. **D De Ridder.** Somatosensory cortex stimulation for deafferentation pain. Asan Medical Center, University Hospital Seoul, Korea (invited lecture), March 16, 2010
142. **D De Ridder.** Medical treatment of tinnitus, Seoul, Korea, March 17, 2010
143. **D De Ridder.** Nieuwe inzichten in ons brein, Maasmechelen, Belgium, April 15, 2010
144. **D De Ridder.** Lawaai en gehoorschade, Kalmthout, Belgium, April 22, 2010
145. **D De Ridder.** Met ons brein op de sofa, Hasselt, Belgium, May18, 2010
146. **D De Ridder.** Neurostimulation for tinnitus, Université Catholique Louvain, May 21, 2010

147. **D De Ridder.** Auditory cortex involvement in tinnitus. 4th TRI Tinnitus congress, Dallas, TX, USA, June 8-11, 2010
148. **D De Ridder.** Allostasis and tinnitus chronification. 4th TRI Tinnitus congress, Dallas, TX, USA, June 8-11, 2010
149. **D De Ridder.** Brain stimulation for tinnitus suppression. 4th TRI Tinnitus congress, Dallas, TX, USA, June 8-11, 2010
150. **D De Ridder.** Neuromodulation for tinnitus. University Hospital Uppsala, Sweden, September 16, 2010 (invited lecture)
151. **D De Ridder.** Somatosensory cortex stimulation for deafferentation pain. University Hospital Uppsala, Sweden, September 16, 2010 (invited lecture)
152. **D De Ridder.** Neurostimulation for neuropathic pain. Belgian Brain Congress, Brussels, Belgium, September 17, 2010 (invited lecture)
153. **D De Ridder.** Neuromodulation for alcohol addiction. ISNR (International Society for Neurofeedback Research), Denver, USA. October 1 2010 (invited lecture)
154. **D De Ridder.** Spectaculaire evoluties in de hersenwetenschappen. Ghislain insituut Gent, Belgium, October 11, 2010 (invited speaker)
155. **D De Ridder.** Sensory cortex stimulation for neuropathic pain. WCNT (World Congress of NeuroTechnology). Rome, Italy, October 13 2010 (invited lecture)
156. **D De Ridder.** New target in brain stimulation for tinnitus. Paris, France. Best of ORL2010. October 14 2010 (invited lecture)
157. **D De Ridder.** Neuromodulatie voor revalidatie: basismechanismen. Neuro-interessegroep Leuven, Belgium. October 23, 2010 (invited lecture)
158. **D De Ridder.** Functional Imaging guided neuromodulation for tinnitus. University of Buffalo, NY, USA. November 16, 2010 (invited lecture)
159. **D De Ridder.** Functional Imaging and neuromodulation for tinnitus. Neurorevalidation Symposium. Harvard, MS, USA. November 19, 2010 (invited lecture)
160. **D De Ridder.** Religie en brein, brein en zelfverstaan. Antwerp University, Belgium. November 24, 2010 (invited lecture)
161. **D De Ridder.** Neurale correlaat van stotteren. CIOOS. Antwerp, Belgium. November 26, 2010 (invited lecture)
162. **D De Ridder.** Are paresthesias necessary in DCS? North American Neuromodulation Society. Las Vegas, Nevada, USA. December 3, 2010 (invited lecture)

163. **D De Ridder.** Zukunftsperspektiven der Tinnitusforschung. International Tinnitus Symposium. Regensburg, Germany. December 11, 2010 (invited lecture)
164. **D De Ridder.** Tinnitus treatments. From sound stimulation to brain stimulation. Lubeck University Hospital, Germany. December 15, 2010 (invited lecture)
165. **D De Ridder.** Hersenen en religie, hersenen en moraliteit. Elcker-ik, Antwerp, Belgium, January 24, 2011 (invited lecture)
166. **D De Ridder.** Hersenen en geest. Davidsfonds (Achel), Belgium, February 18, 2011 (invited lecture)
167. **D De Ridder.** Investigation of cortical tinnitus networks with EEG: impact of clinical characteristics and identification of subgroups. International Tinnitus Seminar, Florianopolis, Brazil, March 16-19, 2011 (invited lecture)
168. **D De Ridder.** Microvascular decompression for tinnitus. International Tinnitus Seminar, Florianopolis, Brazil, March 16-19, 2011 (invited lecture)
169. **D De Ridder.** Frontal and parietal TMS for tinnitus. International Tinnitus Seminar, Florianopolis, Brazil, March 16-19, 2011 (invited lecture)
170. **D De Ridder.** Tinnitus: a maladaptive auditory memory trace. NVKF (Nederlandse Vereniging voor Klinische Fysica) Woudschoten, The Netherlands, April 1, 2011 (Keynote lecture)
171. **D De Ridder.** Hersenen en geest. 't Zal wel gaan, Gent, Belgium, April 5, 2011 (invited lecture)
172. **D De Ridder.** Sensation & Perception. Lessius Hoge School, Antwerp, Belgium, April 26, 2011 (invited lecture)
173. **D De Ridder.** Gehoorsschade. Sint Gabrielcollege Boeckhout, Belgium, April 28, 2011 (invited lecture)
174. **D De Ridder.** The analogy between tinnitus and pain. Thessaloniki, Greece. Society of Applied Neuroscience. May 4-8, 2011 (Keynote lecture)
175. **D De Ridder.** Heden en toekomst van oorsuizen. VLATI symposium. Geel, Belgium, May 14, 2011 (invited lecture)
176. **D De Ridder.** Centrale stimulatie voor tinnitus onderdrukking. Tinnitus symposium. Sint Augustinus, Antwerp, Belgium. May 17, 2011 (invited lecture)
177. **D De Ridder.** Sensory cortex stimulation: a new concept in neurostimulation. Scandinavian Association for the Study of Pain (SASP) meeting Uppsala, Sweden, 18-21, 2011 (Keynote lecture)

178. **D De Ridder.** Microvascular decompression surgery for tinnitus. Christchurch, New Zealand. May 25, 2011 (invited lecture)
179. **D De Ridder.** Why does the brain create phantoms ? TEDx Ghent, Vlerick School of Management, Ghent, Belgium. June 11, 2011 (invited lecture)
180. **D De Ridder.** Burst spinal cord stimulation for failed back surgery. Sydney Australia, July 27, 2011 (invited lecture)
181. **D De Ridder.** The past, present and future of neurostimulation. Keynote lecture. SJMedical symposium, Melbourne, Australia, July 29, 2011(invited lecture)
182. **D De Ridder.** The (para)hippocampus as a central hub in tinnitus. Fifth International TRI Tinnitus conference. Buffalo NY, USA August 19-21 (invited lecture)
183. **D De Ridder.** Skull base approaches for tinnitus. International Cerebrovascular and Skull Base workshop, Ghent, Belgium, September 7-11, 2011.
184. **D De Ridder.** Paresthesia-free neuropathic pain control via burst spinal cord stimulation: Fact or fiction ? Brazilian symposium and international meeting on pain. Sao Paolo, Brazil. Sept 28-Oct1, 2011 (invited lecture)
185. **D De Ridder.** Somatosensory cortex stimulation for neuropathic pain. Brazilian symposium and international meeting on pain. Sao Paolo, Brazil. Sept 28-Oct1, 2011 (invited lecture)
186. **D De Ridder.** Occipital nerve stimulation for fibromyalgia. Brazilian symposium and international meeting on pain. Sao Paolo, Brazil. Sept 28-Oct1, 2011 (invited lecture)
187. **D De Ridder.** Neuromodulatie en Transcraniele Magnetische Stimulatie, Roeselaere, Belgium. October 6, 2011 (invited lecture)
188. **D De Ridder.** Auditory cortex and somatosensory stimulation for tinnitus and pain. Rome, Italy. October 11, 2011 (invited lecture)
189. **D De Ridder.** The beauty and the brain. KASK, Ghent, Belgium. October 18, 2011 (invited lecture)
190. **D De Ridder.** Neuromodulation in Tinnitus. 52nd Hallpike symposium: Tinnitus: New Frontiers in Tinnitus Research. Nottingham, UK. October 21, 2011 (invited lecture)
191. **D De Ridder.** Pathophysiology based neuromodulation for phantom sound perception. Symposium on 'noise and its effects on peripheral and central auditory processing', Sweden. October 26-28, 2011(invited lecture).
192. **D De Ridder.** Brain stimulation: fact or fiction ? Antwerp, Belgium. January 29, 2012 (invited lecture)

193. **D De Ridder.** The neurobiology of free will. Ghent, Belgium. Feb 18, 2012 (invited discussion)
194. **D De Ridder.** Spinal Cord Burst Stimulation. Sponsored Breakfast Seminar in the Third International Biannual Pain Congress. Middelburg, The Netherlands. April 12, 2012 (invited lecture).
195. **D De Ridder.** Double Interview with Kris Verdonck (artist): Art and Science. (What's) the matter with method? Art Festival, Kortrijk Belgium, April 13, 2012
196. **D De Ridder.** Functional Imaging guided electrode implantation for tinnitus. Biomedica 2012, Liege, Belgium, April 19, 2012 (invited lecture)
197. **D De Ridder.** I = my brain. Elcker-ik, Antwerp, Belgium, April 23, 2012 (invited lecture)
198. **D De Ridder.** Why men like beautiful women, cars and money. Antwerp, Belgium, April 20, 2012 (invited lecture)
199. **D De Ridder.** Neuromodulation for tinnitus. Interuniversity Seminar. Genval, Belgium, April 27, 2012 (invited lecture)
200. **D De Ridder.** Pathophysiology of Tinnitus. Lapperre, Groot-Bijgaarden, Belgium May 10, 2012 (invited lecture)
201. **D De Ridder.** Multiside electrode implant for auditory dysfunction (tinnitus). Third International Congress on Reconstructive Neurosurgery, Kiel, Germany, June 9-10, 2012 (invited lecture)
202. **D De Ridder.** The beauty and the brain. Breinwijzer, Ghent, Belgium, June 21, 2012 (invited lecture)
203. **D De Ridder.** Functional imaging guided implants for tinnitus. American Academy of Otolaryngology. Washington DC, September 9-12, 2012 (invited lecture)
204. **D De Ridder.** Near Death Experiences: a neurobiological approach. Sint-Niklaas, Belgium. October 28, 2012 (invited lecture)
205. **D De Ridder.** Why use burst Stimulation? Zaventem, Belgium. November 5, 2012 (invited lecture)
206. **D De Ridder.** The Bayesian brain: tinnitus suppresses sensory uncertainty. AFREPA. Bordeaux, France. November 16-17, 2012 (invited lecture)
207. **D De Ridder.** Functional imaging guided electrode implantation in and around the brain for tinnitus. AFREPA. Bordeaux, France. November 16-17, 2012 (invited lecture).

208. **D De Ridder.** Functional imaging guided electrode implantation in and around the brain for tinnitus. MEST symposium, Rotterdam, The Netherlands. November 21, 2012 (invited lecture)
209. **D De Ridder.** Why use burst stimulation? Breda, The Netherlands. November 22, 2012 (invited lecture)
210. **D De Ridder.** The neurophilosophy of the aging brain. iBRAIN, Ghent, Belgium. November 25, 2012 (invited lecture)
211. **D De Ridder.** The Bayesian brain: an old ‘new’ view on brain functioning and its implications for brain analysis. SABA (Society for the advancement of brain analysis). Charleston, USA May 3-5 2013 (invited lecture)
212. **D De Ridder.** Non-invasive neuromodulation (tms, tdc, tacs, trns, loreta neurofeedback): merely investigational or treatment tools? SABA (Society for the advancement of brain analysis). Charleston, USA May 3-5, 2013 (invited lecture)
213. **D De Ridder.** To dream is to cure tinnitus. TRI 2013 International Tinnitus Conference. Valencia, Spain May 16-19, 2013 (Invited Opening lecture)
214. **D De Ridder.** Pulsatile tinnitus. TRI 2013 International Tinnitus Conference. Valencia, Spain May 16-19, 2013 (Invited lecture)
215. **D De Ridder.** Modulating the cingulate cortex for tinnitus. TRI 2013 International Tinnitus Conference. Valencia, Spain May 16-19, 2013
216. **D De Ridder.** The potential of neuromodulation in Alzheimer’s disease. BHRC symposium. Dunedin, New Zealand, June 7, 2013.
217. **D De Ridder.** New Waveforms in Spinal Cord Stimulation. International Neuromodulation Society. Berlin, Germany. June 10-13, 2013 (invited lecture)
218. C. DeVos, M Lenders, S Vanneste, **D De Ridder.** Burst Stimulation for diabetic neuropathy, FBSS and failed neurostimulation. International Neuromodulation Society. Berlin, Germany. June 10-13, 2013.
219. **D De Ridder.** Burst stimulation. Lunch symposium. International Neuromodulation Society. Berlin, Germany. June 10-13, 2013 (invited lecture)
220. **D De Ridder.** Non-invasive Neuromodulation (TMS, tDCS, tACS, tRNS, LORETA Neurofeedback): Merely Investigational or Treatment Tools? New Zealand Audiological Society conference. Dunedin, New Zealand. June 23-25, 2013 (invited lecture)
221. **D De Ridder.** Phantom Perceptions. New Zealand Audiological Society conference. Dunedin, New Zealand. June 23-25, 2013 (invited lecture)

222. **D De Ridder.** An Integrative Model of Auditory Phantom Perception: Tinnitus as a Unified Percept of Interacting Separable Subnetworks. New Zealand Audiological Society conference. Dunedin, New Zealand. June 23-25, 2013 (invited lecture)
223. **D De Ridder.** Stimulating the brain as a panacea for mental disorder: hubris or stupidity? Bioethics Seminar. Dunedin, NZ, July 1, 2013
224. **D De Ridder.** Neurostimulation: a clinician's approach. Clinical Issues Seminar. Dunedin, NZ, July 2, 2013
225. **D De Ridder.** The analogy between tinnitus and pain. University of Auckland, NZ. July 4, 2013 (invited lecture)
226. **D De Ridder.** The analogy between phantom pain and phantom sound. Clinical Seminar, University of Otago, New Zealand. July 15, 2013
227. **D De Ridder.** Free will. NZ Medical Association, Dunedin, New Zealand. August 1, 2013 (invited talk)
228. **D De Ridder.** How and why does the brain generate phantom sounds. Hearing Research Seminar. University of Auckland. August 9, 2013 (Invited lecture)
229. **D De Ridder.** Burst stimulation: background and results. Innovations in Neuromodulation Symposium. Melbourne, Australia. August 17-18, 2013 (Keynote lecture)
230. **D De Ridder.** Peripheral C2 stimulation for pain syndromes. Innovations in Neuromodulation Symposium. Melbourne, Australia. August 17-18, 2013 (Keynote lecture)
231. **D De Ridder.** Third Millenium Anatomy of the Auditory Brain. McCully lecture. University of Otago, Dunedin, New Zealand (invited lecture). August 28, 2013
232. **D De Ridder.** Neuromodulation for tremor. Otago Tremor Society. Dunedin, New Zealand. October 12, 2013 (invited lecture)
233. **D De Ridder.** The Bayesian brain and EEG FFT spectra: a conceptual framework. Symposium: Recent findings and theories in EEG. Grenoble, France, October 21, 2013 (invited lecture)
234. **D De Ridder.** Neuromodulation for rehabilitation. University of Otago, Dunedin New Zealand. November 15, 2013 (invited lecture)
235. **D De Ridder.** Tinnitus: causes and management. Christchurch, New Zealand. November 20, 2013 (invited lecture)
236. **D De Ridder.** The Function of Specific Brain Areas and Brain Networks: Part 1. Webinar for Brain Science International. November 24, 2013.

237. **D De Ridder.** The Function of Specific Brain Areas and Brain Networks: Part 2. Webinar for Brain Science International. December 16, 2013.
238. **D De Ridder.** Neuromodulation is applied plasticity: Part 2. Webinar for Brain Science International. April 9, 2014.
239. **D De Ridder.** Novel Waveforms and Current Delivery Mechanisms. In lunch symposium: innovations in pain management at North American Neuromodulation Society, Las Vegas, USA, December 7, 2013
240. **D De Ridder.** Burst stimulation at ECMT (European Continuing Medical Training), Lausanne, Switzerland, February 8, 2014
241. **D De Ridder.** Phantoms in Captain Ahab and Beethoven's brain. Amputee Society of Otago & Southland, Dunedin, March 1, 2014 (invited lecture)
242. **D De Ridder.** Surgical treatment for pulsatile tinnitus. National Neurosurgical Audit, Dunedin, March 7, 2014
243. **D De Ridder.** Pathways to tinnitus. Preconference workshop; 8th Tinnitus Research Initiative conference, Auckland, New Zealand, March 10-13, 2014 (invited workshop lecture)
244. **D De Ridder, Sven Vanneste.** Parahippocampal-auditory cortex communication in tinnitus. 8th Tinnitus Research Initiative conference, Auckland, New Zealand, March 10-13, 2014
245. **D De Ridder.** Compendium for a dream. Brain Awareness Week, Dunedin, March 15, 2014
246. **D De Ridder.** The neuroscience of tinnitus. Panel Discussion with Debbie Hall and Grant Searchfield. Brain Awareness Week, Dunedin, March 15, 2014
247. **D De Ridder.** Microvascular compression syndromes. Department of Surgical Sciences Seminar, University of Otago, March 17, 2014
248. **D De Ridder.** Burst stimulation. Mechanisms of Action meeting, Orlando, Florida, USA, March 28, 2014 (invited lecture)
249. **D De Ridder.** Burst stimulation. Orlando, Florida, USA, March 28, 2014 (invited lecture)
250. **D De Ridder.** Burst stimulation. Dallas, Texas USA, March 30, 2014 (invited lecture)
251. **D De Ridder.** Burst stimulation. Austin, Texas, USA, April 1, 2014 (invited lecture).
252. **D De Ridder.** The neuroscience of tinnitus. Panel Discussion with Debbie Hall and Grant Searchfield. Brain Awareness Week, Dunedin, March 15, 2014.
253. **D De Ridder.** Microvascular compression syndromes. Department of Surgical Sciences Seminar, University of Otago, March 17, 2014

254. **D De Ridder.** Burst stimulation. Mechanisms of Action meeting, Orlando, Florida, USA, March 28, 2014 (invited lecture).
255. **D De Ridder.** Burst stimulation. Orlando, Florida, USA, March 28, 2014 (invited lecture).
256. **D De Ridder.** Burst stimulation. Dallas, Texas USA, March 30, 2014 (invited lecture).
257. **D De Ridder.** Burst stimulation. Austin, Texas, USA, April 1, 2014 (invited lecture).
258. **D De Ridder.** Burst stimulation. Hobart, Australia, April 12, 2014 (invited lecture).
259. **D De Ridder.** Neuromodulation in 2020: A Thought Experiment. Australian Pain Society. Hobart, Australia, April 13, 2014 (invited lecture).
260. **D De Ridder.** Burst stimulation. Faculty of Pain Medicine, Singapore, May 4, 2014 (invited lecture)
261. **D De Ridder.** Burst stimulation. ANZCA, Singapore, May 8, 2014 (special guest lecture)
262. **D De Ridder.** Pathophysiology based tinnitus treatments. University of Texas at Dallas, USA. May 13, 2014 (invited lecture)
263. **D De Ridder.** Cause and Possible Future Treatments for Alzheimer's disease. Alzheimer Society Otago, Dunedin, New Zealand. May 27, 2014 (invited lecture)
264. **D De Ridder.** A new paradigm in neuromodulation-exploring the science behind innovation. West Virginia Society of Interventional Pain Physicians Congress, San Juan, Puerto Rico, June 20-21, 2014 (invited lecture).
265. **D De Ridder.** Burst – Working Mechanisms & Clinical Evidence. Neuromodulation Fellowship Program. Barcelona, Spain, June 27-28, 2014
266. **D De Ridder.** Mechanism of Action in SCS – Evolutions in Thought. Neuromodulation Fellowship Program. Barcelona, Spain, June 27-28, 2014
267. **D De Ridder.** Anatomy & Physiology relevant to chronic pain & emerging therapies. Neuromodulation Advanced course, Zaventem, Belgium, July 7, 2014
268. **D De Ridder.** Spinal Cord Stimulation for Failed Back Surgery Syndrome. Neuromodulation Advanced course, Zaventem, Belgium, July 7, 2014.
269. **D De Ridder.** A Bayesian approach to tinnitus. BHRC Clinical issues seminar. Dunedin, NZ, July 22, 2014.

270. **D De Ridder.** Ten years of phantom sound research. New Zealand Association of Clinical Research 10th anniversary conference. Auckland, NZ, August 15-16, 2014 (invited lecture)
271. **D De Ridder.** Nerve compression syndromes in the head. South GP CME 2014 Conference. Dunedin, NZ, August 16-17, 2014 (invited workshop)
272. **D De Ridder.** What can be done for failed back surgery? South GP CME 2014 Conference. Dunedin, NZ, August 16-17, 2014 (invited lecture)
273. **D De Ridder.** Neurofeedback: Re-shaping the brain by applied brain plasticity. Applied Neuroscience Society of Australasia. Adelaide, Australia. August 22-26, 2014 (invited public opening lecture)
274. **D De Ridder.** Non-invasive Neuromodulation (TMS, tDCS, tACD, tRNS, Loreta Neurofeedback): Working Mechanisms. Applied Neuroscience Society of Australasia. Adelaide, Australia. August 22-26, 2014 (keynote lecture)
275. **D De Ridder.** Novel waveforms for neuromodulation. SJM workgroup meeting. Barcelona Spain, August 20-30, 2014 (invited lecture)
276. **D De Ridder.** Pathophysiology based treatments for tinnitus. Department of Pharmacology seminar. University of Otago, Dunedin, New Zealand. September 11, 2014
277. **D De Ridder.** Psychosurgery and free will. Royal Australian and New Zealand College of Psychiatrists 2014 conference, Dunedin, New Zealand (invited opening lecture). October 15, 2014
278. **D De Ridder.** Electrical stimulation of the auditory cortex for incapacitating tinnitus. XXXIV Congreso Panamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello. Cartagena, Colombia, October 26-29, 2014 (invited lecture)
279. **D De Ridder.** Neurophysiology of electrical stimulation of the auditory cortex for incapacitating tinnitus. Principles and applications. XXXIV Congreso Panamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello. Cartagena, Colombia, October 26-29, 2014 (invited lecture)
280. **D De Ridder.** Burst stimulation. South American Neuromodulation Symposium. Bogota, Colombia. October 29, 2014 (invited lecture)
281. **D De Ridder.** Fibromyalgia: does it exist and can it be treated? Clinical Seminar. Department of Surgical Sciences. University of Otago, Dunedin, November 3, 2014
282. **D De Ridder.** An integrated framework for understanding non-invasive electrophysical brain change technologies. Brain Science International conference. Cancun, Mexico, December 4-7, 2014 (invited lecture)

283. **D De Ridder.** Non-surgical & surgical neuromodulation (tdcs, tacs, neurofeedback, tms) How does it work? Brain Science International conference. Cancun, Mexico, December 4-7, 2014 (invited lecture)
284. **D De Ridder.** The Bayesian brain, phantom percepts & brain implants. Redwood center of theoretical neurobiology. University of California at Berkeley, USA. December 9, 2014 (guest lecture)
285. **D De Ridder.** Burst stimulation in CME lunch symposium at the North American Neuromodulation Society 18th Annual Meeting, Las Vegas, USA. December 11-14, 2014 (invited lecture)
286. **D De Ridder.** Occipital Nerve field stimulation: headache and other indications at the North American Neuromodulation Society 18th Annual Meeting, Las Vegas, USA. December 11-14, 2014 (invited lecture)
287. **D De Ridder.** Burst stimulation: the end of all, be all at the North American Neuromodulation Society 18th Annual Meeting, Las Vegas, USA. December 11-14, 2014 (invited lecture)
288. **D De Ridder.** Frequency versus patterned stimulation at the North American Neuromodulation Society 18th Annual Meeting. December 11-14, 2014 (invited lecture)
289. **D De Ridder.** New Stimulation Approaches. Innovation in Neuromodulation. Melbourne, Australia February 13-14, 2015 (Keynote lecture)
290. **D De Ridder.** Neurosurgical research developments at Otago University. U3A, Queenstown, NZ, March 9, 2015
291. **D De Ridder.** The brain and dreams. Wakatipu High School, Queenstown, NZ March 9, 2015
292. **D De Ridder.** Pathophysiology based treatments for tinnitus. Dept of Pharmacology, University of Otago, New Zealand, March 12, 2015
293. **D De Ridder.** The future of the brain. Medical School graduates. University of Otago, New Zealand, March 20, 2015
294. **D De Ridder.** Pathophysiology based treatments for tinnitus. American Academy of Audiology: Audiology Now Meeting, San Antonio, Texas, USA. March 26-28, 2015 (invited lecture)
295. **D De Ridder.** Deep Brain Stimulation. University of Texas at Dallas, March 30, 2015 (invited guest lecture)

296. **D De Ridder.** The Future of Brain, spinal cord and peripheral nerve stimulation. Technical University of Delft, The Netherlands, April 24, 2015 (Invited lecture)
297. **D De Ridder.** Cortex stimulation for Pain. Turku University, Finland, April 27, 2015 (invited lecture)
298. **D De Ridder.** Cortex stimulation for Pain. Kuopio University, Finland, April 28, 2015 (invited lecture)
299. **D De Ridder.** Ablation for pain. 83rd Annual Scientific Meeting of the American Association of Neurological Surgeons. Washington, USA. May 4-6, 2015
300. **D De Ridder.** Ablation versus neurostimulation for pain. 83rd Annual Scientific Meeting of the American Association of Neurological Surgeons. Washington, USA. May 4-6, 2015
301. **D De Ridder.** Breakfast Seminar: treatment options for intractable pain 83rd Annual Scientific Meeting of the American Association of Neurological Surgeons. Washington, USA. May 4-6, 2015
302. **D De Ridder.** Neuromodulation for Addiction. Department of Surgical Sciences Seminar. University of Otago, Dunedin, NZ. May 11, 2015
303. **D De Ridder.** The Beauty and the Brain. Rotary District 9980 Conference 2015. Mount Cook, NZ. May 15-17, 2015 (invited lecture)
304. **D De Ridder.** Burst: rationale. International Neuromodulation Society, Montreal, Canada. June 7, 2015.
305. **D De Ridder.** Burst and Future Neuromodulation Stimulation Designs. Neuromodulation Fellowship Program. Barcelona, Spain, June 19-21, 2015
306. **D De Ridder.** Mechanism of Action in SCS – Evolution in Thought. Neuromodulation Fellowship Program. Barcelona, Spain, June 19-21, 2015
307. **D De Ridder.** Neuromodulation for addiction. Winter School in psychiatry, philosophy and neuroscience. Dunedin, June 21-24, 2015, University of Otago, Dunedin New Zealand
308. **D De Ridder.** Neurosurgical research developments at Otago University. U3A, Invercargill, NZ, June 26, 2015
309. **D De Ridder.** Estimulacion en ráfagas: la ciencia detrás del concepto (Burst stimulation: the science behind the concept). SJM symposium: July 24, 2015, Medellín, Colombia (invited lecture)
310. **D De Ridder.** Burst stimulation and new stimulation designs. Queensland Brain Institute, July 28, 2015, Brisbane, Australia (invited lecture).

311. **D De Ridder.** Neurostimulation by mimicking the brain. Medical Forum, Dunedin School of Medicine, University of Otago, August 5, 2015 (invited lecture)
312. **D De Ridder.** Common brain mechanisms in pain, tinnitus, Parkinson's disease and depression: thalamocortical dysrhythmia. Otago Medical School Research Society's 230th scientific meeting. Dunedin School of Medicine, University of Otago, August 19, 2015 (invited lecture)
313. **D De Ridder.** Advanced topics in Neuromodulation. September 11, 2015. Philadelphia (invited lecture)
314. **D De Ridder.** Neuromodulation, Mechanisms and New waveforms. SJM Neuromodulation 101 course, September 12, 2015. New York, USA
315. **D De Ridder.** Why do we need an upgradable neurostimulator? SJM Neuromodulation 101 course, September 13, 2015. New York, USA
316. **D De Ridder.** Deep Brain Stimulation for addiction. September 29, 2015. Dunedin Public Hospital, New Zealand
317. **D De Ridder.** New ideas in brain physiology. Adventures in Pain. Faculty of Pain Spring Meeting. October 2-4, 2015. Queenstown, New Zealand (invited lecture)
318. **D De Ridder.** Neuromodulation (TMS, tDCS, tACS, tRNS, neurofeedback): working mechanisms. ISNR meeting, October 15-18, 2015. Denver, Colorado, USA (keynote lecture)
319. **D De Ridder.** Panel discussion: innovative approaches to neurofeedback. ISNR meeting, October 15-18, 2015. Denver, Colorado, USA (invited panelist)
320. **D De Ridder.** A New Frontier of Spinal Cord Stimulation for Management of Chronic Pain. Pain Society of Oregon, November 17, 2015. Portland Oregon, USA (Keynote lecture)
321. **D De Ridder.** Neurophysiology in Neuromodulation. SJM lecture. Portland, Oregon, USA (invited lecture)
322. **D De Ridder.** A ciência por trás da estimulação Burst no tratamento da dor / The science behind Burst Stimulation For the Treatment of Pain. SJM satellite symposium in the Brazilian Congress of Neurosurgery. November 20, 2015. Sao Paulo, Brazil (invited lecture)
323. **D De Ridder.** Zumbido crônico: da fisiologia até os tratamentos futuros / Chronic Tinnitus: from Physiology to Futuristic Treatments. SJM satellite symposium in the Brazilian Congress of Neurosurgery. November 20, 2015. Sao Paulo, Brazil (invited lecture)
324. **D De Ridder.** Is there a physiological basis for SCS intolerance? North American Neuromodulation Society 19th Annual Meeting. December 10-13, 2014 (invited lecture)

325. **D De Ridder.** Imaging the brain in SCS. North American Neuromodulation Society 19th Annual Meeting. December 10-13, 2014 (invited lecture)
326. **D De Ridder.** Brain circuitry of self-control. Summer school in Bioethics. University of Otago, Dunedin, New Zealand. January 28, 2016 (invited lecture)
327. **D De Ridder.** Brain circuitry of self-control and free will. Summer school in Bioethics. University of Otago, Dunedin, New Zealand. January 28, 2016 (invited lecture)
328. **D De Ridder.** Bioelectronics control the brain by mimicking nature. Bioelectronics Symposium. Technical University Delft, The Netherlands. March 30, 2016 (invited lecture)
329. **D De Ridder.** Science of pain. New Zealand Pain Society (NZPS). New Plymouth, New Zealand. April 7, 2016 (invited lecture)
330. **D De Ridder.** Science and clinical use of spinal cord stimulation. New Zealand Pain Society (NZPS). New Plymouth, New Zealand. April 7, 2016 (invited lecture)
331. **D De Ridder.** Emerging Indications in Neuromodulation. International Fellowship Training Program (SJM). Barcelona, Spain, June 3, 2016 (invited lecture)
332. **D De Ridder.** Burst Stimulation. SJM evening symposium, Zurich, Switzerland. June 6, 2016 (invited lecture)
333. **D De Ridder.** Burst Stimulation and the Brain. British Society for Stereotactic and Functional Neurosurgery. Southampton, UK. June 9, 2016 (invited lecture)
334. **D De Ridder.** Allostasis and obesity. Combined Neurology and Neurosurgery meeting. Dunedin Public Hospital, June 21, 2016
335. **D De Ridder.** Basic mechanisms of pain suppression with spinal cord burst suppression. In Joint NANS-NIC meeting, Baltimore, Maryland, USA, June 25-29, 2016 (invited lecture)
336. **D De Ridder.** Burst spinal cord stimulation. SJM evening symposium. Amsterdam, The Netherlands, September 21, 2016 (invited lecture)
337. **D De Ridder.** Burst spinal cord stimulation. SJM lunch symposium. Nijmegen, The Netherlands, September 22, 2016 (invited lecture)
338. **D De Ridder.** Burst spinal cord stimulation. SJM Sales meeting. Frankfurt, Germany, September 23, 2016 (invited lecture)
339. **D De Ridder.** Burst spinal cord stimulation. SJM evening symposium. Munich, Germany, September 26, 2016 (invited lecture)

340. **D De Ridder**: Burst Stimulation, a long road to success. SJM sales meeting, Phoenix, Arizona, USA, October 8, 2016
341. **D De Ridder**, Tim Vancamp. Burst Stimulation. International Neuromodulation Society Meeting, Sevilla, Spain, October 22, 2016 (invited lecture)
342. **D De Ridder**. Burst Spinal Cord Stimulation. Nordic Neuromodulation Meeting, Stockholm, Sweden. October 25, 2016 (invited lecture)
343. **D De Ridder**. Burst spinal cord stimulation. Buenos Aires, Argentina, November 9, 2016 (invited lecture)
344. **D De Ridder**. Burst stimulation for neuropathic pain. 11.Jahrestagung der Deutschen Gesellschaft fuer Neuromodulatione.V. Dusseldorf, Germany, November 12, 2016 (invited lecture)
345. **D De Ridder**. Management of pulsatile tinnitus. Silver jubilee meeting of Indian Society of Otolaryngology (ISOCON), Calicut, November 18-20, 2016 (invited lecture)
346. **D De Ridder**. Management of non-pulsatile tinnitus. Silver jubilee meeting of Indian Society of Otolaryngology (ISOCON), Calicut, November 18-20, 2016 (invited lecture)
347. **D De Ridder**. Initial assessment of the tinnitus patient. Silver jubilee meeting of Indian Society of Otolaryngology (ISOCON), Calicut, November 18-20, 2016 (invited lecture)
348. **D De Ridder**. Burst Spinal Cord Stimulation. Velocity Program. Pittsburgh, USA. December 1, 2016
349. **D De Ridder**. MVD for Tinnitus: a pathophysiological approach. First conference of the World Neurosurgeon Federation of Cranial Nerve Disorders Shanghai, China, January 14, 2017 (invited lecture)
350. **D De Ridder**. Neuromodulation as a treatment for pain, stroke, tinnitus and addiction" BRNZ Early Career Researchers Workshop, Dunedin, New Zealand, February 2, 2017 (invited lecture)
351. **D De Ridder**. Meet the expert. SIMPAR-ISURA (Study In Multidisciplinary PAin Research - International Symposium of Ultrasound for Regional Anesthesia and Pain Medicine) conference, Florence, Italy, March 30-April 1, 2017 (invited lecture)
352. **D De Ridder**. Burst Stimulation: For Which Patients Is IT Effective? SIMPAR-ISURA (Study In Multidisciplinary PAin Research - International Symposium of Ultrasound for Regional Anesthesia and Pain Medicine) conference, Florence, Italy, March 30-April 1, 2017 (invited lecture)
353. **D De Ridder**. Burst spinal cord stimulation. Abbott training course, Milan, Italy, April 3, 2017 (invited lecture)

- 354. **D De Ridder.** Burst spinal cord stimulation. Albert Schweitzer Ziekenhuis, Dordrecht, The Netherlands, April 4, 2017 (invited lecture)
- 355. **D De Ridder.** Burst spinal cord stimulation. Alrijne Ziekenhuis, Leiderdorp, The Netherlands, April 4, 2017 (invited lecture)
- 356. **D De Ridder.** Burst spinal cord stimulation. Amsterdam, The Netherlands, April 4, 2017 (invited lecture)
- 357. **D De Ridder.** Burst spinal cord stimulation. Bravis Ziekenhuis Roosendaal, The Netherlands, April 5, 2017 (invited lecture)
- 358. **D De Ridder.** Burst spinal cord stimulation. Sint Antoniusziekenhuis Nieuwegein, The Netherlands, April 5, 2017 (invited lecture)
- 359. **D De Ridder.** Burst spinal cord stimulation. Amsterdam, The Netherlands, April 5, 2017 (invited lecture)
- 360. **D De Ridder.** Burst spinal cord stimulation. Stockholm, Sweden, April 6, 2017 (invited lecture)
- 361. **D De Ridder.** Burst spinal cord stimulation. Leeds, UK, April 7, 2017 (invited lecture)
- 362. **D De Ridder.** Non-invasive Neuromodulation (TMS, tDCS, tACD, tRNS, Loreta Neurofeedback): Working Mechanisms. Clinical TMS Society, 5th Annual Meeting, San Diego, USA. May 19-20, 2017 (Keynote lecture)
- 363. **D De Ridder.** TMS for Tinnitus. Clinical TMS Society, 5th Annual Meeting, San Diego, USA. May 19-20, 2017 (Invited lecture)
- 364. **D De Ridder.** Future waveforms and Pulse Trains in Central Neuromodulation. International Neuromodulation Society 13th World Congress, Edinburgh, Scotland May 27 - June 1, 2017 (invited lecture)
- 365. **D De Ridder.** How to build initial evidence in neuromodulation science? TINS dinner talk at the International Neuromodulation Society 13th World Congress, Edinburgh, Scotland May 27 - June 1, 2017 (invited lecture)
- 366. **D De Ridder & Bengt Linderroth.** Emerging indications: Philosophy vs Basic Science. Abbott Neuromodulation course. Barcelona, June 9-10, 2017 (invited lecture)
- 367. **D De Ridder.** Best Uses of New Frequencies, Waveforms and Combinations. West Virginia Pain Society. Miami, USA, July 27-30, 2017 (invited panel discussion)

368. **D De Ridder.** The Role of Evoked Compound Action Potentials in SCS: Closed-Loop Stimulation. West Virginia Pain Society. Miami, USA, July 27-30, 2017 (invited panel discussion)
369. **D De Ridder.** How to build initial evidence in neuromodulation science? TINS dinner talk at the West Virginia pain society, Miami, USA, July 27-30, 2017 (invited lecture)
370. **D De Ridder.** Working Mechanisms of Non-invasive Neuromodulation, in Biofeedback for the Mind and Body: Windows for Regulation, 2017 Applied Neuroscience Society of Australasia Annual Conference & Workshops, Canberra, Australia, August 25-29, 2017, (Keynote lecture)
371. **D De Ridder.** Tinnitus: the neurosurgeon's perspective: invasive neuromodulation (DBS, VNS, epidural Stimulation) in 100 years of Otorhinolaryngology at University of Zurich, Zurich, Switzerland, August 30-September 2, 2017 (invited lecture)
372. **D De Ridder.** Burst stimulation. Presentation organized by Abbott for pain physicians and neurosurgeons. Dallas, Texas, USA. October 3, 2017 (invited lecture)
373. **D De Ridder.** Burst stimulation. Presentation organized by Abbott for pain physicians and neurosurgeons. Chicago, Illinois, USA. October 4, 2017 (invited lecture)
374. **D De Ridder.** Burst stimulation. Presentation organized by Abbott for pain physicians and neurosurgeons. Chicago, Illinois, USA. October 7, 2017 (invited lecture)
375. **D De Ridder.** Burst stimulation. Presentation organized by Abbott for pain physicians and neurosurgeons. Chicago, Illinois, USA. October 8, 2017 (invited lecture)
376. **Dirk De Ridder.** Treating salience in pain, tinnitus, addiction and OCD by anterior cingulate implants. University of Illinois at Chicago, Chicago, October 5, 2017 (invited lecture).
377. **Dirk De Ridder.** Nuevas indicaciones en la ECP. Meeting of the Spanish Chapter of International Neuromodulation Society, Madrid, October 20-21, 2017 (invited lecture)
378. **Dirk De Ridder.** Estimulacion a rafagas. Meeting of the Spanish Chapter of International Neuromodulation Society, Madrid, October 20-21, 2017 (invited lecture)
379. **Dirk De Ridder.** Burst stimulation. Precongress meeting, Ratingen, Germany. November 9, 2017 (invited lecture)
380. **Dirk De Ridder.** Pink and White noise. 12. Jahrestagung der Deutschen Gesellschaft fur Neuromodulation e.V. Ratingen, Germany. November 11-12, 2017

Acknowledgements

1. Ravelingien A, Mortier F, Mortier E, Kerremans I, Braeckman J. Proceeding with clinical trials of animal to human organ transplantation: a way out of the dilemma. *J Med Ethics* 30: 92 – 98, 2004.
2. Engineer ND, Riley JR, Seale JD, Vrana WA, Shetake JA, Sudanagunta SP, Borland MS, Kilgard MP. Reversing pathological neural activity using targeted plasticity. *Nature*. 2011 ; 470(7332):101-4.
3. Kilgard MP. Harnessing plasticity to understand learning and treat disease. *Trends Neurosc.* 2012, 35(12):715-22.

National and International Collaborations

1. Van de Heyning Research Group, University of Antwerp, Belgium Dept. of ENT
2. Tomas Menovsky Research Group, University of Antwerp, Belgium Dept. of Neurosurgery
3. Berthold Langguth Research Group, University Regensburg, Germany Dept. of Psychiatry
4. Stefan Sunaert, University of Louvain, Belgium, Dept. of Radiology
5. Tobias Kleinjung Research group, University of Zurich, Switzerland Dept. of ENT
6. Aage Möller, University of Texas at Dallas, USA, Dept. Behavioural & Brain Science
7. Sven Vanneste, University of Texas at Dallas, USA, Dept. Behavioural & Brain Science
8. Luc De Waele Group St Lucas Hospital, Ghent, Belgium, Dept. of Neurosurgery
9. Lemmerling & Fransen Group, St Lucas Hospital, Ghent, Belgium, Dept. of Radiology
10. Van Havenbergh & Ost Research Group, St Augustine Hospital Antwerp, Belgium, Brain²n
11. Londero Research Group, University of Paris, France, Dept. of ENT
12. De Ridder Leo Research Group University of Ghent, Belgium Dept. of Histology
13. Vincent Walsh Research Group, University College London, UK, Dept. of Institute of Cognitive Neuroscience
14. Paul Parizel Research Group, University of Antwerp, Belgium, Dept of Radiology
15. Lefaucheur Research Group, University of Paris, France Dept of Pain Medicine
16. Michael Seidman Research Group, Henry Ford Hospital Detroit, USA Dept. of ENT
17. Koen Van Laere Research Group, University of Louvain, Belgium Dept. of Nuclear Medicine
18. Mark Thimineur Research Group, North Haven Surgery Centre, USA, Dept. of Pain Specialists
19. Michael Landgrebe. University Hospital, Regensburg, Germany, Dept of Psychiatry

20. Johan Braeckman Research Group, University of Ghent, Belgium Dept. of Moral Philosophy
21. Jan Verplaetse Research Group University of Ghent, Belgium Dept. of Law
22. Michael Congedo Research Group, University of Grenoble, France Inserm Gibbsa Lab.
- 23.** Ana Belen Elgoyhen Research Group, University of Buenos Aires, Argentina Dept. of Pharmacology
24. Felipe Fregni Research Group Harvard University Spalding Rehab Centre
25. Paulo Boggio Research Group, University of Sao Paulo, Brazil
26. Walter Freeman Research Group, Berkeley University, California USA, Dept. Molecular & Cell Biology
27. Winfred Schlee Research Group, University of Ulm, Germany
28. Nathan Weisz Research Group, University of Trento, Italy, Dept. Center for Mind / Brain Sciences
29. Jae Jin Song Research Group, University of Seoul, Korea, Dept. of ENT,
- 30.** Wouter Serdijn Research Group, Technical University of Delft, Netherlands, Dept. of Bioengineering
31. Arnaud Norena Research Group, University of Marseille, France, Dept Cognitive Neuroscience Laboratory
32. Michael Kilgard Research Group, University of Texas at Dallas, School of Behavioral and Brain Sciences, Cognition and Neuroscience, USA
33. Rodolfo Llinas research group: New York University, NYU Medical School, USA, Dept of Neuroscience and Physiology
34. Theresia Stoeckl: Neurodevelopmental Clinic, Gauting, Germany
35. Grant Searchfield research group, Dept of audiology, Auckland university, New Zealand
36. John Reynolds research group, Dept of anatomy, University of Otago, New Zealand
37. Yiwen Zhang/Paul Smith research group, Dept of pharmacology, University of Otago, New Zealand
38. Grant Gillett Bioethics research group, University of Otago, New Zealand
39. Patrick Manning research group, Dept of Internal Medicine, section of endocrinology, University of Otago, New Zealand

40. Nick Cutfield research group, Dept of Internal Medicine, section of neurology, University of Otago, New Zealand
41. Paul Glue research group, Dept of Psychological Medicine, University of Otago, New Zealand
42. Ramakrishnan Mani, School of Physiotherapy, University of Otago, New Zealand

Courses and Visits (incomplete)

- Microvascular Anastomose Course, research laboratory of Neurosurgery, University Hospital, Zürich, Switzerland: 25/3- 29/3/1996.
- Microvascular Anastomose Course, University Leuven: 13/11/1996.
- Advanced Skull Base Workshop, Allegheny General Hospital, Pittsburgh, USA (Prof. Dr. T. Fukushima) : 4/10-6/10/1996.
- Visit to Pr. Dr. P.J. Jannetta, Dept. of Neurosurgery, University of Pittsburgh: 13/6/1997 - 18/6/1997.
- Temporal Bone Workshop, Allegheny General Hospital, Pittsburgh, USA (Prof. Dr. M. Arriaga en Prof. Dr. D. Chen) : 10/6-12/6/1997.
- Temporal Bone Workshop, House Ear Institute, Los Angeles, USA: 17/10-21/10/1998.
- Brain Anatomical Workshop, Durban, South Africa (Prof. Dr. A. Rhoton): 6-7/3/1999.
Temporal Bone Workshop, House Ear Institute, Los Angeles, USA: 11/9-15/9/1999.
- Visit to Dr. D. Davis, Dept. of Neurosurgery, Mayo Clinic, Rochester, Minnesota, USA: 15/11-19/11/1999.
- Temporal Bone Workshop, House Ear Institute, Los Angeles, USA: 23/10-26/10/2005.
- Introduction to qEEG. University of Northern Texas, USA: 3-5/02/2006.
- Craniofacial and transfacial approaches to the skull base. St Louis, MO, USA: December 1-2, 2006.
- Visit to Prof Kropotov, ERP and addiction surgery. Center of human brain studies. Saint Petersburg, Russia: June 21-5, 2008.
- Visit to Prof Ranulfo Romo, Dept of Neurophysiology, University of Mexico, Mexico City, Mexico: October 14-16, 2008.

- Visit to Prof Ana Belen Elgoyhen, Dept of Molecular neurobiology, Buenos Aires, Argentina: July 17-23, 2009.
- Visit to Prof JK Lee, Dept of functional Neurosurgery, Asan Medical Center, Seoul, Korea: March 16-17, 2010.
- Visit to Dr Bomin Sun, Dept of functional Neurosurgery, Shanghai, China: March 17-18, 2010.
- International neurovascular and skull base workshop. Prague, Czech Republic, June 16-18, 2010.
- Workshop 'New Biology' Lorenz Center Leiden, The Netherlands, Jan 31-Feb3, 2011.
- Surgical Approaches to the Skull Base. Hands on cadaver workshop organized by Weill Cornell Medical College. Palm Beach Gardens, Florida USA: March 3-5, 2011.
- Auditory Brainstem Implant course, Verona, Italy, June 25-27, 2012 (Prof Coletti).
- Surgical Approaches to the Skull Base. Hands on cadaver workshop organized by Takanori Fukushima. Palm Beach Gardens, Florida USA: November 12-15, 2012.
- F.R.I.E.N.D.S Skull base surgery course, organized by Luc De Waele in Arezzo, Italy, October 7-8, 2015
- F.R.I.E.N.D.S Skull base surgery course, organized by Luc De Waele in Arezzo, Italy, October 12-14, 2016 (instructor)
- Visit to Neuronano Research Center, Lund in Sweden (prof Jens Schouenborg), October 26, 2016
- Visit to Greenville neuromodulation center in Greenville, Pennsylvania, USA(dr Erwin Montgomery, December 2, 2016)

Promoter / Co-Promoter

PhD: Elsa Van der Loo: neural correlates of tinnitus (obtained 2012)
 FWO: An Ravelingien: Ethical aspects of neuroenhancement (Philosophy, Ghent University, Belgium)
 PhD: Mark Plazier: neuromodulation for fibromyalgia (obtained September 24, 2017)
 PhD: Olivier Meeus. TMS in tinnitus (obtained June 23, 2010)
 PhD: Sven Vanneste. Pathophysiology of tinnitus (obtained 2011)
 PhD: Jay Song (obtained 2016)

PhD: Samantha Ross

Reviewer

1. Acta Chirurgica Belgica
2. Acta Oto-Laryngologica
3. Annals of Neurology
4. Archives of Otolaryngology
5. Archives of (JAMA) Otolaryngology Head & Neck Surgery
6. Audiology and Neurotology
7. Biological Psychology
8. Biomed Research International (formerly Journal of Biomedicine and Biotechnology)
9. BMC Biology
10. BMC Health Services Research
11. BMC Medicine
12. BMC Neuroscience
13. BMC Psychiatry
14. Brain
15. Brain and Behaviour
16. Brain Structure & Function
17. Brain Topography
18. Brain Stimulation
19. Cephalalgia
20. Cerebral Cortex
21. Clinical Neurology and Neurosurgery
22. CNS spectrum
23. Current Medical Research & Opinion
24. Ear and Hearing
25. Entropy
26. European Journal of Neurology
27. European Journal of Neuroscience
28. European Journal of Pain
29. Expert Opinion On Medical Diagnostics
30. Expert Opinion On Pharmacotherapy
31. Expert Review of Medical Devices
32. Frontiers in Human Neuroscience
33. Frontiers in Neuroscience
34. Frontiers in Systems Neuroscience
35. General Hospital Psychiatry
36. Hearing Research
37. Human Brain Mapping
38. IEEE Transactions on Biomedical Engineering
39. International Journal of Audiology
40. International journal of Otolaryngology
41. International Journal of Psychophysiology

42. Internet Interventions
43. JMIR ResProtoc
44. Journal of the American Academy of Audiology
45. Journal of Clinical and Experimental Neuropsychology
46. Journal of Clinical Medicine and Research
47. Journal of Clinical Neurophysiology
48. Journal of Medical Ethics
49. Journal of Molecular Pathophysiology
50. Journal of Neurological Surgery A
51. Journal of Pain
52. Journal of Pain Research
53. Journal of Neurological Sciences
54. Journal of Neurology, Neurosurgery & Psychiatry
55. Journal of Neurology, Neurosurgery and Spine
56. JSM Neurosurgery and Spine
57. Medical Science Monitor
58. Nature Communications
59. Neural Plasticity
60. Neurocase
61. Neuroimage Clinical
62. Neurological Research
63. Neurology India
64. Neuromodulation
65. Neuroradiology
66. Neuroscience & Biobehavioral Reviews
67. Neuroscience Letters
68. New Zealand Medical Journal
69. Nonlinear Biomedical Physics
70. Otolaryngology- Head and Neck Surgery
71. Otolaryngology Research and Reviews
72. Otology and Neurotology
73. Physiology & Behaviour
74. PLoS ONE
75. Progress in Neuropsychopharmacology & Biological Psychiatry
76. Recent Patents on Medical Imaging (RPTMI)
77. Restorative Neurology and Neuroscience
78. Scientific Reports
79. Spinal Cord
80. The Open Neurology Journal
81. The Open Pain Journal
82. World Neurosurgery
83. World Journal of Biological Psychiatry

Editorial Board Member/Advisory Board

- Thalamus and Related Systems
- Neuromodulation
- Neuroscience & Biobehavioral Reviews (associate guest editor)
- The Open Neurosurgery Journal
- The Open Translational Medicine Journal
- Journal of Speech, Language and Hearing Research (associate guest editor)
- World Neurosurgery (advisory board)

Grant Reviewer

- ATA (American Tinnitus Association)
- RNID (Royal National Institute for Deaf people), now called Action for Hearing Loss
- NIH (National Institute for Health)
- Austrian Research Foundation
- HRC (New Zealand)
- TRI (Tinnitus Research Initiative)
- FWO (Fonds voor Wetenschappelijk onderzoek)
- FNRS (Fonds de la Recherche Scientifique)
- DSM Research Equipment Round 2013-2014
- Czech Science Foundation
- Dunhill Medical Trust

Conferences Organized & Courses run

- Brai²n opening symposium
- TRI Tinnitus clinic opening
- 6th International congress on tinnitus (TRI): Tinnitus: the Art & Science of Innovation, Bruges, Belgium, June 13-16, 2012
- International Neuromodulation Fellowship Program: module VI: graduation module (Course Co-Director)
- D De Ridder, Jay Gunkelman. Workshop on applied neuroscience, in Biofeedback for the Mind and Body: Windows for Regulation, 2017 Applied Neuroscience Society of Australasia Annual Conference & Workshops, August 25, 2017
- F.R.I.E.N.D.S: 7th International Skull Base Dissection Course, Arezzo, Italy, October 12-14, 2016 (teaching faculty member)
- F.R.I.E.N.D.S: 8th International Skull Base Dissection Course, Arezzo, Italy, October 10-13, 2017 (teaching faculty member)

National and International organization memberships

- Member of the recognition commission of Flemish neurosurgical specialists (2006-2012)

- Member of executive committee of TRI (Tinnitus Research Initiative)
- Member of scientific board of TRI
- Member of scientific board of ATA (American Tinnitus Association)
- Member of Belgian Psychosurgery committee (2006-2012)
- Member of the Moral Brain workgroup
- Member of the Belgian Neurosurgical Society
- Member of the European Association of Neurosurgical Societies
- Chairman of the TRI Neurostimulation Workgroup
- Lifelong member of Indian Society of Otology (since 2016)
- Executive board member of the World Neurosurgeon Federation of Cranial Nerve Disorders

Grants

| Amount | Name | Year |
|-----------|---|-------------------------|
| \$ 80,000 | Research grant by ANS Medical | 2005-2006 and 2006-2007 |
| €100,000 | Tinnitus Research Initiative | 2006-07-21 |
| \$100,000 | Research grant by American Tinnitus Association | 2007-2008 |
| €211,000 | Euro by Tinnitus Research Initiative | 2008-2009 |
| €100,000 | TRI Tinnitus Clinic by TRI | |
| €420,000 | TOP financing UA | Belgium 2011-2015 |
| \$ 90,000 | SJMedical unrestricted Research | 2011 |
| € 95,000 | Start neuromodulation clinic by TRI | 2013 |

Industry Sponsored Studies

- Vagal nerve + auditory stimulation for tinnitus (Microtransponder)
- DBS intralaminar nuclei thalamus for cognitive improvement (Intellect Medical)
- Burst stimulation in DCS (SJM)
- C2 stimulation for Fibromyalgia (PI: Mark Plazier)

Television and Radio Interviews in Popular Scientific or News Programs

- Na de diagnose (EO) : Oorsuizen , March 3, 2005
- Lichtpunt (Canvas) : Breinwerk, April 23, 2006
- Overleven (Canvas) : Keiluid, Keidoof en...erger, May 14, 2006, and January 21, 2007
- Jongens en Wetenschap : Oorsuizen, 19/12/2002
- Jongens en Wetenschap : God zit in de hersenen, February 2004
- Galileo (EO): Is God gezond? August 22, 2006
- Ter Zake (Canvas) : Moraliteit in de hersenen, December 12, 2006
- RTBF1 : Acouphènes. March 1, 2007

- Ter Zake(Canvas) : neurostimulatie voor obesitas, April 3, 2007
- Zevende dag (Canvas): Out of body experiences, November 4, 2007
- BBC news: tinnitus: January 9, 2008
- De wereldverbeteraars (Kanaal Z): interview met Joel De Ceulaer, Januari 5, 2010
- Stories, Visite (AVS): verslaving en TMS, Februari 22, 2010
- Ook getest op mensen: bastonen, March 3, 2010
- De laatste Show: iBRAIN, March 4, 2010
- Trio (Klara): hersenen en maatschappij, February 27, 2010
- MNM Radio: tinnitus, August 19, 2010
- Tinnitus : Een Vandaag (NL): October 8, 2010
- Brain activity and irritation: Basta (Neveneffecten): January 17, 2011
- Art and Brain stimulation in University Campus news (AVS): February 2011
- Tinnitus : Labyrinth (NL2), March 29, 2011
- Brain stimulation for addiction: Koppen (VRT): March 31, 2011
- Tinnitus een behandeling ?: Nieuwe Feiten (VRT): April 28, 2011
- Reyers Laat. (VRT): October 17, 2011
- Man over Woord (VRT): December 23, 2011
- Joos (VRT radio): February 6, 2012
- Trio (VRT, Klara): May 11, 2012
- Ook getest op mensen (VRT): September 26, 2012
- Houtekiet (VRT1): iBRAIN, November 23, 2012
- The Neuroscience of Spirituality (Radio New Zealand): March 13 and 20, 2013
- The self and the brain (Radio New Zealand): May 4, 2014
- Panorama (VRT): May 21, 2015
- Touche: (Radio 2): November 15, 2015
- Brain implants for addiction: Dunedin television (recorded January 29, 2016)
- Brain implants for alcohol addiction: TVNZ (recorded March 8, 2016)
- De Afspraak (VRT): June 15, 2017

Video Productions

- Hernia, operatie of niet?
- ALIF -Anterior Lumbar Interbody Fusion
- SMN -Surgical Microscope Navigation
- A modified open door transfacial approach for midline skull base tumors by nasomaxillary cheek flaps.

Medical and Non-medical Brochures

- Lage rugpijn. D Lefbvre, **D De Ridder**, B Morlion, J Devulder, D Libbrecht
Het Brein. De Maakbare Mens (2006)

Honours

- Elected by de Standaard as one of the 50 people and one of the 5 scientists who will shape science in Belgium in 2004. DSM 44 (11): p 13, 2003 (27/12/2003)

Languages

- Flemish/Dutch: mother language
- English IELTS (academic): 8.5 score
- French: good speaking, poor writing