

Jean-Michel RIGO studied biology (University of Liège, Belgium) and received his PhD in 1994 for a work in cellular and molecular neurophysiology. He was then appointed as an associate professor in Physiology (“premier assistant” and then “chef de travaux”) at the University of Liège. In 2002, he went for a sabbatical research period to the Université Pierre et Marie Curie (Paris, France) to study glycinergic neurotransmission using advanced molecular electrophysiology. In 2004, he joined the physiology group at Hasselt University to develop an independent research program in neurobiology. He became head of the group in 2009 and full professor (“gewoon hoogleraar”) in 2010. His current research focuses on the plasticity of excitability in brain development and regeneration. He is author of 99 peer-reviewed publications and has been (co)promoter of 23 PhD’s and (co)investigator for 39 research contracts. Jean-Michel Rigo teaches, among other, general physiology and neurosciences to (bio)medical students at Hasselt University. Since his position in Liège, he has developed expertise in self-learning methods, e-learning and virtual labs, as well as in evaluation of learning and of teaching. From 2009 to 2012, he headed the department of Physiology-Immunology-Biochemistry and the education management team of the master in biomedical sciences, and he was vice-dean of the School of Life Sciences (Transnational University of Limburg). Since 2006, he has also been actively involved in development cooperation projects (RD Congo, Vietnam and Morocco). From 2012 to 2016, he was vice-rector of Education and of Internationalization at Hasselt University. In 2016, he became vice-rector of Research and Internationalization at

Hasselt University.

General information

born in Uccle, December 4th 1964

married, two sons

Private

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Professional

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Education

- 1994 — Doctorat en Sciences biomédicales expérimentales (PhD), Université de Liège – La plus grande distinction
- 1987 — 2ème candidature en Sciences médicales (undergraduate), Université de Liège – Grande distinction
- 1986 — Agrégation de l'enseignement secondaire supérieur en

- Biologie (graduate), Université de Liège - Grande distinction
- 1986 — Licence en Sciences zoologiques (graduate), Université de Liège - Grande distinction (1ère licence) & La plus grande distinction et les félicitations du jury (2de licence)
 - 1984 — Candidature en Sciences biologiques (undergraduate), Université de Liège – Grande distinction (1ère candidature) & Distinction (2de candidature)
 - 1982 — Humanités greco-latines (secondary school), Collège Saint-Servais (Liège)

Career History

- 2016-now — Vicerector onderzoek, Universiteit Hasselt
- 2010-now — Gewoon Hoogleraar in Neurofysiologie (full professor), Universiteit Hasselt – Faculteit Geneeskunde
- 2012–2016 — Vicerector onderwijs, Universiteit Hasselt
- 2007–2009 — Hoogleraar in Neurofysiologie (tenured professor), Universiteit Hasselt – Faculteit Geneeskunde
- 2004–2006 — Hoofddocent in Neurofysiologie (tenured assistant professor), Universiteit Hasselt – Faculteit Geneeskunde
- 2000–2006 — Chef de Travaux en Physiologie (tenured assistant professor), Université de Liège – Département des Sciences précliniques
- 1996–2000 — Premier assistant en Physiologie (tenured teaching assistant), Université de Liège – Service de Physiologie humaine et de Physiopathologie (Professeur G. Moonen)
- 1994–1995 — Chercheur en Neurobiologie (researcher),

Université de Liège – Service de Physiologie humaine et de Physiopathologie (Professeur G. Moonen)

- 1988–1994 — Assistant en Physiologie (teaching assistant), Université de Liège – Service de Physiologie humaine et de Physiopathologie (Professeur G. Moonen)
- 1987–1988 — Enseignant en Physique (secondary school teacher), Institut Saint-Laurent (Liège)
- 1986–1987 — Elève-chercheur en Physiologie (student researcher), Université de Liège – Service de Physiologie humaine et de Physiopathologie (Professeur G. Moonen)
- 1985–1986 — Elève-assistant en Zoologie (student teaching assistant), Université de Liège – Service de Zoologie (Professeur M. Chardon)

Research activities

- Abroad stays for a total of 30 months
- (Co-)organisation of 7 international congresses
- Research contracts
 - 23 as principal investigator
 - 16 as co-investigator
- 2 awards

Areas of expertise

- Developmental neurobiology, neurotoxicology, neurotransmission, ligand-gated ion channels, excitability and developmental disorders

- Cell and organotypic culture, cellular and molecular electrophysiology (patch-clamping), functional tests (calcium, cell survival, etc.)

Publications (as of 01-03-2018)

- ORCID ID: orcid.org/0000-0002-0031-526X
- ResearcherID: E-3456-2010
- WoS: 134 publications, 2690 citations (average = 20.07), h-index = 28
- Scopus: 100 publications, 2923 citations, h-index = 28
- 99 A1 articles (IF = 326,1)
 - 32 as first of last author (IF = 120,1)
 - 20 as second or next-to-last author (IF = 72,6)
 - 47 as co-author (IF = 133.3)
- 2 theses
- 5 books & book chapters

PhD's theses

- 12 as main promoter
- 11 as co-promoter
- 6 as international jury member
- 16 as national jury member
- 26 as jury member at own institution

Teaching activities

- domains: physiology, biology, neuroscience

- innovation and research in education: self-learning, e-learning, evaluation (member of the Increase2 network)

Service activities

Experience in: * policy making (vice-rector UHasselt 2012-today) * university development cooperation (projects since 2007 in RD Congo, Vietnam, Morocco)

Scientific societies

- 1996-now — Member of the Belgian Society for Neuroscience
- 1996-now — Foreign member of the Society for Neuroscience
- 1999-now — Member of the Belgian Society of Cell and Developmental Biology
- 1999-now — Member of the Federation of European Neuroscience Societies (FENS)
- 2004-now — Member of the board of the Euregional Network of Neuroscience Schools (EURON)
- 2004-now — Member of the American Physiological Society
- 2004-now — Member of the Belgian Society of Physiology and Pharmacology
- 2005-now — Member of the board of the Belgian Society for Neuroscience

Referee & Expert

- Referee for several scientific journals: Biochemical Pharmacology, Biochemistry, Brain Research, European Journal of Neuroscience,

Journal of Neuroscience Methods, British Journal of Pharmacology, Journal of the Royal Society Interface, Journal of Alzheimer's disease, Journal of Neurochemistry, Frontiers in Neuroscience, Journal of Neuroinflammation, Glia, Journal of Psychiatry Research

- Member of the editorial board of Médecine/Sciences (and writer of news & comments), Frontiers in Molecular Neuroscience
- Expert activities: FWO hervorming discipline codes, IWT-beurzen, FNRS, INSERM, US-Israel Binational Science Foundation, VLIR-UOS begeleidingscommissie Congo, Commissie voor Wetenschapsbeleid van de VWRI

Councils

- Membre du conseil facultaire (représentants du personnel scientifique) au Conseil de Faculté de Médecine (membre: 1991–1993 et 1995–2001, vice-président: 1997–1999) à l'ULg
- Représentant du personnel scientifique au Conseil Universitaire du Personnel Scientifique (membre: 1995–2001, vice-président: 1998–1999, président: 1999–2001) à l'ULg
- Représentant du personnel scientifique au Conseil des Etudes des candidatures en Médecine (1996–2004) à l'ULg
- Représentant du personnel scientifique au Conseil de la Recherche de la Faculté de Médecine et de l'Université (1997–2004) à l'ULg
- Représentant de la Faculté de Médecine au Conseil Scientifique de l'Informatique (2000–2004) à l'ULg
- Membre du P.O. de l'institut Saint-Paul à Liège (2002–2008)

- Voorzitter van de vakgroep Fysiologie-Biochemie-Immunologie (UHasselt 2007–2012)
- Vice-decaan van de School voor Levenswetenschappen (transnationale Universiteit Limburg, 2009–2012)
- Voorzitter van het Onderwijs Management Team van de master in de biomedische wetenschappen (UHasselt 2009–2012)
- Vicerector onderwijs (UHasselt 2012–2016)
- Vicerector onderzoek (UHasselt 2016-nu)
- Lid van verschillende raden van de UHasselt, de AUHL
- Lid van verschillende interuniversitaire werkgroepen van de VLIR

Various Languages

- French: Mother language (C2)
- English: Active knowledge (written & oral - C1 certificate)
- Dutch: Active knowledge (written & oral - C1 certificate)
- German: Passive knowledge (estimated A2-B1)
- Italian: Passive knowledge (estimated A2-B1)
- Spanish: Passive knowledge (estimated A1-A2)

Jean-Michel Rigo — CV Details

Research activities

Publications

‡ = equally contributed

Articles

1. Lefebvre,P.P., Rigo,J.-M. , Leprince,P., Rogister,B., Delrée,P., Hans,P., Born,J.D. and Moonen,G., Mise en évidence d'une activité neuronotoxique dans le liquide céphalo-rachidien de traumatisés crâniens graves, *Agressologie*, 29(4) (1988) 241–242. [non SCI]
2. Lefebvre,P.P., Weber,T., Rigo,J.-M. , Demanez,S., Delrée,P., Rogister,B., Leprince,P. and Moonen,G., Interactions neuronotrophiques dans l'oreille interne en développement, *Acta ORL belgica*, 43(5) (1989) 403–409. [non SCI]
3. Leprince,P., Lefebvre,P.P., Rigo,J.-M. , Delrée,P., Rogister,B. and Moonen,G., Cultured astroglia release a neuronotoxic activity that is not related to the excitotoxins, *Brain Research*, 502 (1989) 21–27. [IF=2,15 (1998); Neurosciences 72/202, Q2; Citations (04–2017) = 21]
4. Leprince,P., Rigo,J.-M. , Lefebvre,P.P., Rogister,B., Delrée,P. and Moonen,G., In vitro kinetics of a newborn astroglia-derived neuronotoxic activity, *Neuroscience Letters*, 102 (1989) 268–272. [IF=1,934 (1998); Neurosciences 78/202, Q2; Citations (04–2017) =

8]

5. Lefebvre,P.P., Leprince,P., Weber,T., Rigo,J.-M. , Delrée,P. and Moonen,G., Neuronotrophic effect of developing otic vesicle on cochleo- vestibular neurons : evidence for nerve growth factor involvement, *Brain Research*, 507 (1990) 254–260. [IF=2,15 (1998); *Neurosciences* 72/202, Q2; Citations (04–2017) = 82]

6. Lefebvre,P.P., Weber,T., Rigo,J.-M. , Delrée,P., Leprince,P. and Moonen,G., Potassium-induced release of an endogenous toxic activity for outer hair cell and auditory neurons in the cochlea : a new pathophysiological mechanism in Ménière's disease ?, *Hearing Research*, 47 (1990) 83–94. [IF=1,598 (1998); *Otorhinolaryngology* 2/29, Q1; Citations (04–2017) = 15]

7. Moonen,G., Rogister,B., Leprince,P., Rigo,J.-M., Delrée,P., Lefebvre,P.P. and Schoenen,J., Neuro-glial interactions and neural plasticity, *Progress in Brain Research*, 86 (1990) 63–73. [IF=1,95 (1998); *Neurosciences* 77/202, Q2; Citations (04–2017) = 23]

8. Rogister,B., Leprince,P., Bonhomme,V., Rigo,J.-M., Delrée,P., Colige,A. and Moonen,G., Cultured neurons release an inhibitor of astroglia proliferation (astrostatine), *Journal of Neuroscience Research*, 25(1) (1990) 58–70. [IF=2,874 (1998); *Neurosciences* 47/202, Q1; Citations (04–2017) = 29]

9. Lefebvre,P.P., Weber,T., Leprince,P., Rigo,J.-M., Delrée,P., Rogister,B. and Moonen,G., Kainate and NMDA toxicity for cultured developing and adult spiral ganglion neurons : further evidence for a glutamatergic excitatory neurotransmission at the inner hair cell synapse, *Brain Research*, 555(1) (1991) 75–83. [IF=2,15 (1998); *Neurosciences* 72/202, Q2; Citations (04–2017) = 33]

10. Leprince,P., Rogister,B., Delrée,P., Rigo,J.-M., André,B. and Moonen,G., Modulation of proteolytic activity during neuritogenesis in the PC12 nerve cell: differential control of plasminogen activator and plasminogen activator inhibitor activities by nerve growth factor and dibutyryl-cyclic AMP, *Journal of Neurochemistry*, 57(2) (1991) 665–674. [IF=4,651 (1998); *Neurosciences* 24/202, Q1; Citations (04–2017) = 31]

11. Leprince,P., Rogister,B., Delrée,P., Martin,D., Lefebvre,P.P., Rigo,J.-M. and Moonen,G., Protéases et inhibiteurs de protéases : implications multiples dans le développement et le vieillissement cérébral, *Revue d'Oto-Neuro-Ophthalmologie*, 12(13) (1991) 30–38. [non SCI]

12. Martin,D., Delrée,P., Schoenen,J., Rogister,B., Rigo,J.-M., Leprince,P., Stevenaert,A. and Moonen,G., Transplants of syngeneic adult dorsal root ganglion neurons to the spinal cord of rats with acute traumatic paraplegia : morphological analyses, *Restorative Neurology and Neuroscience*, 2 (1991) 303–308. [IF=1,196 (1998); *Neurosciences* 122/202, Q3; Citations (04–2017) = 15]

13. Delrée,P., Martin,D., Sadzot-Delvaux,C., Rogister,B., Leprince,P., Robe,P., Rigo,J.-M., Lefebvre,P.P., Malgrange,B., Schoenen,J. and Moonen,G., In vitro and in vivo modulation of 5-hydroxytryptamine-, thyrotropin-releasing hormone and calcitonin-gene related peptide-like immunoreactivities in adult rat sensory neurons, *Neuroscience*, 51 (1992) 401–410. [IF=3,591 (1998); *Neurosciences* 33/202, Q1; Citations (04–2017) = 19]

14. Lefebvre,P.P., Weber,T., Rigo,J.-M., Staecker,H., Moonen,G. and Van De Water,T.R., Peripheral and central target-derived trophic

factor(s) effects on auditory neurons, *Hearing Research*, 58 (1992) 185–192. [IF=1,598 (1998); *Otorhinolaryngology* 2/29, Q1; Citations (04–2017) = 49]

15. Delrée,P., Ribbens,C., Martin,D., Rogister,B., Lefebvre,P.P., Rigo,J.-M., Leprince,P., Schoenen,J. and Moonen,G., Plasticity of developing and adult dorsal root ganglion neurons as revealed in vitro, *Brain Research Bulletin*, 30(3–4) (1993) 231–237. [IF=1,65 (1998); *Neurosciences* 101/202, Q2; Citations (04–2017) = 21]

16. Martin,D., Schoenen,J., Delrée,P., Rigo,J.-M., Rogister,B., Leprince,P. and Moonen,G., Syngeneic grafting of adult rat DRG-derived Schwann cells to the injured spinal cord, *Brain Research Bulletin*, 30(3–4) (1993) 507–514. [IF=1,65 (1998); *Neurosciences* 101/202, Q2; Citations (04–2017) = 20]

17. Rogister,B., Delrée,P., Leprince,P., Martin,D., Sadzot,C., Malgrange,B., Munaut,C., Rigo,J.-M., Lefebvre,P.P., Octave,J.N., Schoenen,J. and Moonen,G., Transforming growth factor b as a neuro-no-glia signal during peripheral nervous system response to injury, *Journal of Neuroscience Research*, 34 (1993) 32–43. [IF=2,874 (1998); *Neurosciences* 47/202, Q1; Citations (04–2017) = 96]

18. Malgrange,B., Delrée,P., Rigo,J.-M., Baron,H. and Moonen,G., Image analysis of neuritic regeneration by adult rat dorsal root ganglion neurons in culture : Quantification of the neurotoxicity of anticancer agents and of its prevention by NGF or bFGF but not BDNF or NT-3, *Journal of Neuroscience Methods*, 53 (1994) 111–122. [IF=1,43 (1998); *Biochemical Research Methods* 19/40, Q2; Citations (04–2017) = 69]

19. Rigo,J.-M., Belachew,S., Lefebvre,P.P., Leprince,P., Malgrange,B., Rogister,B., Kettenmann,H. and Moonen,G., Astroglia-released factor shows similar effects as benzodiazepine inverse agonists, *Journal of Neuroscience Research*, 39 (1994) 364–376. [IF=2,874 (1998); *Neurosciences* 47/202, Q1; Citations (04–2017) = 10]
20. Malgrange,B., Rigo,J.-M., Coucke,P., Belachew,S., Rogister,B. and Moonen,G., beta-Carbolines induce apoptotic death of cerebellar granule neurons in culture, *Neuroreport*, 18 (1996) 3041–3045. [IF=2,591 (1998); *Neurosciences* 57/202, Q2; Citations (04–2017) = 14]
21. Moonen,G., Malgrange,B., Rigo,J.-M. and Rogister,B., Neurotrophic factors : Past and future, *Acta Neurologica Belgica*, 3 (1996) 203–218. [IF=0,226 (1998); *Neurosciences* 171/202, Q4; Citations (04–2017) = 7]
22. Rigo,J.-M., Belachew,S., Coucke,P., Leprince,P., Malgrange,B., Rogister,B. and Moonen,G., Astroglia-released factor with negative allosteric modulatory properties at the GABAA receptor: Evidence from binding studies, *Biochemical Pharmacology*, 52 (1996) 465–473. [IF=2,719 (1998); *Pharmacology & Pharmacy* 23/178, Q1; Citations (04–2017) = 2]
23. Bourguignon,J.P., Gerard,A., Purnelle,G., Czajkowski,V., Yamanaka,C., Lemaître,M., Rigo,J.-M., Moonen,G. and Franchimont,P., Duality of glutamatergic and gabaergic control of pulsatile GnRH secretion by rat hypothalamic explants : I. Effects of antisense oligodeoxynucleotides and role of explant size, *Journal of Neuroendocrinology*, 9(3) (1997) 183–191. [IF=2,832 (1998);

Endocrinology & Metabolism 19/83, Q1; Citations (04–2017) = 34]

24. Bourguignon, J.P., Gerard, A., Purnelle, G., Czajkowski, V., Yamanaka, C., Lemaître, M., Rigo, J.-M., Moonen, G. and Franchimont, P., Duality of glutamatergic and gabaergic control of pulsatile GnRH secretion by rat hypothalamic explants : II.

Developmental changes at initiation of sexual maturation, *Journal of Neuroendocrinology*, 9(3) (1997) 193–199. [IF=2,832 (1998);

Endocrinology & Metabolism 19/83, Q1; Citations (04–2017) = 27]

25. Hubert, P., Hurlet, V., Rigo, J.-M., Coucke, P., Moonen, G. and Crommen, J., Fluorescence detection of a neurotoxic astroglia-released factor using gradient liquid chromatography after precolumn derivatization, *Biomedical Chromatography*, 11 (1997) 93–95. [IF=1,013 (1998); *Chemistry, Analytical* 33/65, Q3; Citations (04–2017) = 1]

26. Malgrange, B., Rigo, J.-M., Lefebvre, P.P., Coucke, P., Goffin, F., Xhaufaire, G., Belachew, S., Van De Water, T.R. and Moonen, G., Diazepam-insensitive GABAA receptors on postnatal spiral ganglion neurons in culture, *Neuroreport*, 3 (1997) 591–596. [IF=2,591 (1998); *Neurosciences* 57/202, Q2; Citations (04–2017) = 18]

27. Belachew, S., Rogister, B., Rigo, J.-M., Malgrange, B., Mazy-Servais, C., Xhaufaire, G., Coucke, P. and Moonen, G., Cultured oligodendrocyte progenitors derived from cerebral cortex express a glycine receptor which is pharmacologically distinct from the neuronal isoform, *European Journal of Neuroscience*, 10 (1998) 3556–3564. [IF=3,899 (1999); *Neurosciences* 33/201, Q1; Citations (04–2017) = 24]

28. Belachew, S., Malgrange, B., Rigo, J.-M., Rogister, B., Coucke, P.,

Mazy-Servais,C. and Moonen,G., Developmental regulation of neuroligand-induced responses in cultured oligodendroglia, *Neuroreport*, 9 (1998) 973–980. [IF=2,591 (1998); *Neurosciences* 57/202, Q2; Citations (04–2017) = 18]

29. Malgrange,B., Lefebvre,P.P., Van De Water,T.R., Bonnet,C., Monville,F., Rigo,J.-M., Staecker,H. and Moonen,G., In vitro ototoxicity of aminoglycosides and platin derivatives. A semiautomatic assay for sensory hair cell damage in explanted rat organ of Corti, *Toxicology in vitro*, 12(13) (1998) 705–714. [IF=0,753 (1998); *Toxicology* 46/71, Q3; Citations (04–2017) = 2]

30. Malgrange,B., Rogister,B., Lefebvre,P.P., Mazy-Servais,C., Welcher,A.A., Bonnet,C., Hsu,R.Y., Rigo,J.-M., Van De Water,T.R. and Moonen,G., Expression of growth factors and their receptors in the postnatal rat cochlea, *Neurochemical Research*, 23 (1998) 1133–1138. [IF=1,677 (1998); *Neurosciences* 98/202, Q2; Citations (04–2017) = 28]

31. Rigo,J.-M. and Moonen,G., Enseignement multimédia en candidatures en Médecine à l'Université de Liège, *Infosciences*, février (1998) 8–12. [non SCI]

32. Belachew,S., Rogister,B., Rigo,J.-M., Malgrange,B. and Moonen,G., *Acta Neurologica Belgica*, 99 (1999) 21–31. [IF=0,275 (1999); *Neurosciences* 175/201, Q4; Citations (04–2017) = 26]

33. Malgrange,B., Rigo,J.-M., Van De Water,T.R., Staecker,H., Moonen,G. and Lefebvre,P.P., Growth factor therapy to the damaged inner ear : clinical prospects, *International Journal of Pediatric Otorhinolaryngology*, 49 (1999) S19–S25. [IF=0,516 (1999); *Otorhinolaryngology* 19/30, Q3; Citations (04–2017) = 14]

34. Princen,F., Robe,P., Lechanteur,C., Mesnil,M., Rigo,J.-M., Gielen,J., Merville,M.P. and Bours,V., A cell type-specific and gap junction-independent mechanism for the herpes simplex virus-1 thymidine kinase gene/ganciclovir- mediated bystander effect, *Clinical Cancer Research*, 5 (1999) 3639–3644. [IF=3,442 (1999); *Oncology* 16/105, Q1; Citations (04–2017) = 29]
35. Belachew,S., Malgrange,B., Rigo,J.-M., Rogister,B., Hans,G., Nguyen,L. and Moonen,G., Glycine-triggered intracellular calcium influx in oligodendrocyte progenitor cells is mediated by the activation of both glycine receptor and transporters, *European Journal of Neuroscience*, 12 (2000) 1924–1930. [IF=3,862 (2000); *Neurosciences* 34/203, Q1; Citations (04–2017) = 31]
36. Nguyen,L., Rigo,J.-M., Rocher,V., Belachew,S., Malgrange,B., Rogister,B., Leprince,P. and Moonen,G., Neurotransmitters as early signals for central nervous system development, *Cell and Tissue Research*, 305 (2001) 187–202. [IF=2,492 (2001); *Cell Biology* 62/147, Q2; Citations (04–2017) = 235]
37. Hans,G., Moonen,G. and Rigo,J.-M., Modulation of neuronal survival and excitability by an astroglia-derived factor, *Journal of Physiology (Paris)*, 96 (2002) 323–328. [IF=1,07 (2002); *Physiology* 54/73, Q3; Citations (04–2017) = 0]
38. Malgrange,B., Rigo,J.-M., Coucke,P., Thiry,M., Hans,G., Nguyen,L., Van De Water,T.R., Moonen,G. and Lefebvre,P.P., Identification of factors that maintain mammalian outer hair cells in adult organ of Corti explants, *Hearing Research*, 170 (2002) 48–58. [IF=1,969 (2002); *Otorhinolaryngology* 2/32, Q1; Citations (04–2017) = 29]

39. Malgrange,B., Belachew,S., Thiry,M., Nguyen,L., Rogister,B., Alvarez,M.-L., Rigo,J.-M., Van De Water,T.R., Moonen,G. and Lefebvre,P.P., Proliferative generation of mammalian auditory hair cells in culture, *Mechanisms of Development*, 112 (2002) 79–88. [IF=3,462 (2002); *Developmental biology* 12/33, Q2; Citations (04–2017) = 89]
40. Nguyen,L., Malgrange,B., Belachew,S., Rogister,B., Rocher,V., Moonen,G. and Rigo,J.-M., Functional glycine receptors are expressed by postnatal nestin positive neural stem/progenitor cells, *European Journal of Neuroscience*, 15 (2002) 1299–1305. [IF=4,163 (2002); *Neurosciences* 33/197, Q1; Citations (04–2017) = 33]
41. Rigo,J.-M., Hans,G., Nguyen,L., Rocher,V., Belachew,S., Malgrange,B., Leprince,P., Moonen,G., Selak,I., Matagne,A. and Klitgaard,H., The antiepileptic drug levetiracetam reverses the inhibition by negative allosteric modulators of neuronal GABA- and glycine-gated currents, *British Journal of Pharmacology*, 136 (2002) 659–672. [IF=3,45 (2002); *Pharmacology & Pharmacy* 26/188, Q1; Citations (04–2017) = 198]
42. Lallemand,F., Lefebvre,P.P., Hans,G., Rigo,J.-M., Van De Water,T.R., Moonen,G. and Malgrange,B., Substance P protects spiral ganglion neurons from apoptosis via PKC-Ca²⁺-MAPK/ERK pathways, *Journal of Neurochemistry*, 87 (2003) 508–521. [IF=4,825 (2003); *Neurosciences* 26/198, Q1; Citations (04–2017) = 51]
43. Mangin,J.-M., Baloul,M., Prado da Carvalho,L., Rogister,B., Rigo,J.-M.‡ and Legendre,P. ‡, Kinetics properties of the alpha2 homo-oligomeric glycine receptor impairs a proper synaptic functioning, *Journal of Physiology (London)*, 553 (2003) 369–386.

[IF=4,352 (2003); Physiology 7/74, Q1; Citations (04–2017) = 48]

44. Nguyen,L., Malgrange,B., Breuskin,I., Bettendorf,L., Moonen,G., Belachew,S . and Rigo,J.-M., Autocrine/paracrine activation of the GABAA receptor inhibits the proliferation of neurogenic PSA-NCAM+ precursor cells from postnatal striatum, *Journal of Neuroscience*, 23 (2003) 3278–3294. [IF=8,306 (2003); Neurosciences 10/198, Q1; Citations (04–2017) = 76]

45. Nguyen,L., Rigo,J.-M., Malgrange,B., Moonen,G. and Belachew,S., Untangling the functional potential of PSA-NCAM-expressing cells in CNS development and brain repair strategies, *Current Medicine Chemistry*, 10 (2003) 2185–2196. [IF=4,409 (2003); Biochemistry & Molecular biology 52/261, Q1; Citations (04–2017) = 31]

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98. Niespodziany, I., Rigo, J.-M., Moonen, G., Matagne, A., Kltigaard, H. and Wolff, C., Brivaracetam does not modulate ionotropic channels activated by glutamate, γ -aminobutyric acid, and glycine in hippocampal neurons, *Epilepsia* (2017), first published: 29 August 2017, DOI: 10.1111/epi.13890. [IF=4,706 (2015); *Clinical Neurology* 25/193, Q1]

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Theses

1. Rigo,J.-M. , Contribution à l'étude des facteurs neuronotoxiques. Etude expérimentale en culture in vitro. Mémoire présenté en vue de l'obtention du grade de licencié en Sciences Zoologiques, Université de Liège, 1986, pp. 1–63.

2. Rigo,J.-M. , Régulation astrogliale de la survie et de l'excitabilité neuronales. Mémoire présenté en vue de l'obtention du grade de

Docteur en Sciences biomédicales expérimentales, Université de Liège, 1994, pp. 1–159.

Bookchapters

1. Leprince,P., Rigo,J.-M. , Rogister,B., Delrée,P., Lefebvre,P.P. and Moonen,G., Trophic and toxic influences on neurones. In N.N.Osborne (Ed.) Current Aspects of the Neurosciences Vol. 1, The MacMillan Press Ltd, 1990, pp. 97–134.
2. Leprince,P., Rogister,B., Delrée,P., Lefebvre,P.P., Rigo,J.-M. and Moonen,G., Multiple roles for plasminogen activator system in nervous system development. In B.W.Festoff (Ed.) Serine proteases and their serpin inhibitors in the Nervous System, Plenum Press, New York, 1990, pp. 185–197.
3. Moonen,G., Delrée,P., Lefebvre,P.P., Rigo,J.-M. and Leprince,P., Neuronotrophic and neuronotoxic factors. In S.Tucek (Ed.) Metabolism and Development of the Nervous System, Wiley and Sons, 1987, pp. 22–27.
4. Moonen,G., Delrée,P., Leprince,P., Rigo,J.-M. , Rogister,B. and Lefebvre,P.P., Developmental neurobiology and the physiopathology of brain injury. In D.G.Stein and B.A.Sabel (Eds.) Pharmacological Approaches to the Treatment of Brain and Spinal Cord Injury, Plenum Press, 1988, pp. 259–280.
5. Rogister,B., Rigo,J.-M. , Lefebvre,P.P., Leprince,P., Delrée,P., Martin,D., Schoenen,J. and Moonen,G., Three-dimensional organ culture systems. In A.Boulton, G.Baker and W.Walz (Eds.) Practical cell culture techniques, The Humana Press Inc., Toronto, 1992, pp. 173–200.

Abroad stays

- 22–25 May 1989 — Participation à l'atelier n°14 de l'INSERM "Patch-clamp" organisé par P. ASCHER, A. MARTY et A. TRAUTMANN, Ecole Normale Supérieure, 46 rue d'Ulm - F-75005 Paris
- 25–29 September 1989 — Stage pratique dans le cadre de l'atelier n°14 de l'INSERM "Patch-clamp" dans le laboratoire du Professeur P. FELTZ, Institut de Physiologie et de Chimie Biologique, 21 rue Descartes - F-67084 Strasbourg
- 2 January - 31 March 1991 and 1 May - 30 June 1992 — Formation to electrophysiological techniques in the laboratory of Docteur H. KETTENMANN, Department of Neurobiology - University of Heidelberg, Im Neuenheimerfeld, 345 - D-6900 Heidelberg (subsidié par une bourse de la Fondation Léon Fredericq)
- 22 February - 12 March and 15 November - 15 December 1993 — Stage de formation aux techniques du "binding" dans le laboratoire du Docteur A. DOBLE, Service de Neurochimie, Rhône-Poulenc Rorer Recherche-Développement, Centre de Recherche de Vitry-Alfortville, quai Jules Guesde, 13, F-94400 Vitry-sur-Seine
- 8–12 December 1997 — Stage de formation à la technique d'injection d'ARNm et d'enregistrements intracellulaires dans des oeufs de *Xenopus laevis*, Institut Pasteur, Paris
- 11–15 January 1999 — Single-cell RT-PCR technique learning in the laboratory of Dr F. KIRCHHOFF, Max Delbrueck Center for

Molecular Medicine - Cellular Neurosciences, Robert Roessle
strae, 10 - D-13122 Berlin-Buch

- 1 January - 31 December 2002 — Mission scientifique de recherches dans le laboratoire de Neurophysiologie de la Synapse du Docteur P. LEGENDRE, Université Pierre et Marie Curie - UMR CNRS ex7624/new7102, 9, quai Saint-Bernard - Bât. B - 6° étage - F-75252 Paris Cedex 05 - France
- 4 weeks in 2003 and in 2004, 2 weeks in 2005, 1 week in 2006, 1 week in 2007, 2 weeks in 2008, 2 weeks in 2009, 2 weeks in 2010, 2 weeks in 2011, 1 week in 2012 — Collaboration INSERM-CGRI-FNRS : plusieurs séjours dans le laboratoire de Neurophysiologie de la Synapse du Docteur P. LEGENDRE, Université Pierre et Marie Curie - UMR CNRS ex7624/new7102, 9, quai Saint-Bernard - Bât. B - 6° étage - F-75252 Paris Cedex 05 - France
- 2 weeks in 2006, 1 week in 2008, 1 week in 2012 — Bilateral collaboration Flanders-Chili in the laboratory of L. AGUAYO, University of Concepcion, Concepcion, Chili
- 2 weeks in 2009, 2 weeks in 2010 and 2 weeks in 2012 — Bezoek en seminars aan de universiteit van Kinshasa in het kader van VLIR projecten (microproject RDC en PRDC), UNIKIN, Kinshasa, Congo
- 1 week in 2011 — Voorbereiding deelproject van de institutionele universitaire samenwerking met de universiteit van Kisangani, UNIKIS, Kisangani, Congo
- 1 week in 2011 — Bezoek en seminarie aan de universiteit van Bukavu in het kader van een VLIR project (PRDC), UCB, Bukavu,

Congo

- 1 week in 2012 — Collaboration Chili in the laboratory of L. AGUAYO, University of Concepcion, Concepcion, Chili
- 2 weeks in 2013 — Bezoek en seminarie aan de universiteit van Kisangani in het kader van een VLIR project (IUS), UNIKIS, Kisangani, Congo
- 1 week in 2014 — Bezoek en seminarie aan de universiteit van Kisangani in het kader van een VLIR project (IUS), UNIKIS, Kisangani, Congo
- 2 weken in 2015 — Bezoek aan verschillende instellingen in Vietnam om samenwerkingsmogelijkheden te onderzoeken (Hué University, Ton Duc Than University, University of Transport, National Institute of Health, Vietnamese Academy of Science and Technology)
- 3 weken in 2015 — Bezoek en seminarie aan de universiteit van Kisangani in het kader van een VLIR project (IUS), UNIKIS, Kisangani, Congo
- 10 dagen in 2016 — Bezoek en seminarie aan de universiteit van Kisangani in het kader van een VLIR project (IUS), UNIKIS, Kisangani, Congo
- 1 week in 2016 — Formulering van het VLIR-UOS IUS programma met de universiteit Moulay Ismail (UMI), Meknes, Marokko (coördinatie Noord)

International congresses

(Co-)Organisation

1. 2002 — Inner Ear Biology 2002 (07–10/09, ULg, Liège, Belgique)

2. 2005 — Autumn Meeting of the Belgian Society of Cellular and Developmental Biology (15/10, University Hasselt, Diepenbeek)
3. 2007 — 1st Meeting of IAP Network P6/31 (01/12, University Hasselt, Diepenbeek)
4. 2009 — Mini-Symposium "The glycine system" (26–27/01/2009, University Hasselt, Diepenbeek)
5. 2010 — 14th EURON PhD Days of the European Graduate School of Neuroscience (07–08/10, University Hasselt, Diepenbeek)
6. 2012 — Spring Meeting of the Belgian Society of Fundamental and Clinical Physiology and Pharmacology (16/03, Palace of the Academies, Brussels)
7. 2013 — Symposium on "Microglia in brain development" during the EuroGlia meeting (03–06/07), Berlin, Germany

Oral communication on invitation

1. 1991 — Fifth International Symposium on Neurobiology (18–19/10, Fondation Médicale Reine Elisabeth, Bruxelles)
2. 1994 — Satellite Symposium to the 17th European Neuroscience Association Meeting «The role of glia in synapse development, synapse loss and synaptic plasticity» (11–14/09, Castle Ringberg, Tegernsee, Bavaria, Deutschland)
3. 1996 — 33th Workshop on Inner Ear Biology (01–03/09, Utrecht, Nederlanden)
4. 1998 — 28th Annual Meeting of the Society for Neuroscience (7–12/11, Los Angeles, CA, USA)
5. 2002 — EFNS 2002 (26–29/10, Wien, Österreich)
6. 2003 — Internet & Pédagogie médicale 2003 (11–12/12, Marseille,

France)

7. 2004 — 6th European Congress on Epileptology (30/05–03/06, Vienna, Österreich)

8. 2004 — Workshop on “Ion channels, toxins and scorpion venoms from China and South Africa” (05/03, UHasselt, Diepenbeek, België)

9. 2006 — Programa Bicentenario de Ciencia y Tecnología (04–07/11, Universidad de Concepción, Concepción, Chile)

10. 2012 — Seminar Max Delbrück Center for Molecular Medicine, Berlin, Germany

11. 2012 — Seminar Université Libre de Bruxelles, Bruxelles, Belgium

12. 2013 — Symposium of Neuropsychopharmacology (10–12/04, University of Paranga, Maringa, Brazil)

13. 2014 — Conferentie “Erkenning van diploma’s” (14/3, Benelux parlement, Eupen)

14. 2015 — Conférence “Le propre de l’homme” (21/5, Lion’s club, Hannut)

15. 2016 — Conference “Higher education quality assurance evolution in Flanders” (24/03, colloque ImpeQes, Mons)

Poster communication

1. 1988 — Third International Symposium on Neurobiology «CNS development and regeneration» (28–29/04, Fondation Médicale Reine Elisabeth, Bruxelles)

2. 1992 — International Meetings on Biology «Neuronal cell death and repair» (25–27/05, Fundación Juan March, Madrid, España)

3. 1992 — 9th meeting (14–18/06, International Society for

Developmental Neuroscience, La Grande Motte, France)

4. 1993 — First Forum of Young European Researchers (18–23/06, ULg, Liège)

5. 1995 — European Science Foundation «Molecular Neurobiology - Receptors: Regulation, Function and Signal Transduction» (22–27/04, Acquafredda di Maratea, Italia)

6. 1999 — 29th Annual Meeting of the Society for Neuroscience (23–28/10, Miami Beach, FL, USA)

7. 2000 — 2nd Meeting of the Federation of European Neuroscience Societies, FENS (24–28/06, Brighton, UK)

8. 2000 — 30rd Annual Meeting of the Society for Neuroscience (04–09/11, New Orleans, LA, USA)

9. 2000 — Annual Meeting of the American Epilepsy Society (03–06/12, Los Angeles, CA, USA)

10. 2001 — Symposium on: "Neuron-Glia Interactions: from physiology to behavior" (05/10, Collège de France, Paris)

11. 2001 — 31st Annual Meeting of the Society for Neuroscience (10–15/11, San Diego, CA, USA)

12. 2002 — Federation of European Neuroscience Societies Forum 2002 (13–17/07, Paris, France)

13. 2003 — Apoptosis 2003 — From signaling pathways to therapeutic tools (29/01–01/02, Luxembourg)

14. 2003 — 33rd Annual Meeting of the Society for Neuroscience (8–13/11, New Orleans, LA, USA)

15. 2004 — Federation of European Neuroscience Societies Forum 2004 (10–14/07, Lisboa, Portugal)

16. 2004 — EURON PhD days (15–17/09, Homburg/Saar, Germany)

17. 2005 — Colloque “Canaux ioniques” (2–5/10, Nantes, France)
18. 2005 — 35th Meeting of the Society for Neuroscience (12–16/11, Washington, DC, USA)
19. 2005 — American Epilepsy Society (05/12, Washington, DC, USA)
20. 2006 — Federation of European Neuroscience Societies Forum 2006 (8–12/07, Vienna, Austria)
21. 2006 — EURON PhD days (21–22/09, Maastricht, Netherlands)
22. 2007 — 8th European meeting on Glial Cells in Health & Disease (04–08/09, London, UK)
23. 2007 — EURON PhD days (13–14/09, Louvain-la-Neuve, Belgium)
24. 2007 — Congo@UHasselt (27/10, Diepenbeek, Belgium)
25. 2007 — 37th Meeting of the Society for Neuroscience (03–07/11, San Diego, CA, USA)
26. 2008 — Federation of European Neuroscience Societies Forum 2008 (12–15/07/08, Geneva, Switzerland)
27. 2008 — EURON PhD days (18–19/09/08, Aachen, Germany)
28. 2009 — 2nd Meeting of IAP Network P6/31 (07/01, KULeuven, Belgium)
29. 2009 — 9th European meeting on Glial Cells in Health & Disease (08–12/09, Paris, France)
30. 2009 — EURON PhD days (01–02/10, Nijmegen, Netherlands)
31. 2009 — 39th Meeting of the Society for Neuroscience (17–21/10, Chicago, IL, USA)
32. 2009 — 3rd Meeting of IAP Network P6/31 (12/12, ULg, Belgium)

33. 2010 — 18th Biennial Meeting of the International Society for Developmental Neuroscience (06–09/06, Estoril, Portugal)
34. 2010 — 7th FENS Forum of European Neuroscience (03–07/07, Amsterdam, The Netherlands)
35. 2011 — 8th IBRO World Congress of Neuroscience (14–18/07, Florence, Italy)
36. 2011 — 15th EURON PhD Days (22–23/09, Bonn, Germany)
37. 2011 — 41st Meeting of the Society for Neuroscience (12–16/11, Washington, DC, USA)
38. 2011 — Meeting of the IAP Network P6/31 (16/12, Ghent, Belgium)
39. 2012 — 8th FENS Forum of European Neuroscience (14–18/07, Barcelona, Spain)
40. 2012 — EURON PhD Days (27–28/09, Maastricht, The Netherlands)
41. 2013 — Meeting of the Society for Neuroscience (8–13/11, San Diego, CA, USA)
42. 2014 — ISDN Development, functions and disorders of the nervous system (19–24/07, Montreal, Canada)
43. 2015 — Meeting of the Society for Neuroscience (17–21/10, Chicago, USA)
44. 2016 — Meeting of the International Society for Developmental Neuroscience (11–14/05, Antibes, France)
45. 2017 — 13th European Meeting on Glial Cells in Health and Disease (8–11/07, Edinburgh, UK)
46. 2017 — Meeting of the Society for Neuroscience (11–15/11, Washington, USA)

Research contracts

As principal investigator

1. 1999 — Fonds Spéciaux de la Recherche Ulg (J.-M. Rigo, B. Malgrange, S. Belachew)
2. 2003 — The glycine and its ionotropic receptor: developmental signals for the central nervous system?, Marie Curie 3-month fellowship for J.-M. Mangin (coordinator: H. Steinbush, EURON), contract number QLK6-CT-2000-60042, salary plus 1200 EUR benchfee (J.-M. Rigo)
3. 2003–2004 — Rôles physiologiques et mécanismes d'activation des récepteurs embryonnaires à la glycine, Accord INSERM.C.G.R.I.-F.N.R.S., référence 03/003, crédit de voyage (J.-M. Rigo, P. Legendre)
4. 2004 — Rôles physiologiques et mécanismes d'activation des récepteurs embryonnaires à la glycine, Crédit aux chercheurs F.N.R.S., référence 1.5.044.04, 10000 EUR (J.-M. Rigo)
5. 2004 — Rôles physiologiques et mécanismes d'activation des récepteurs embryonnaires à la glycine, Fonds spéciaux de la Recherche Ulg 2003, 10000 EUR (J.-M. Rigo)
6. 2004 — UCB Pharma-UHasselt contractonderzoek (Kv and ACCN channel characterization), 2004, 14400 EUR (J.-M. Rigo)
7. 2005–2006 — Rôles physiologiques et mécanismes d'activation des récepteurs embryonnaires à la glycine, Accord INSERM.C.G.R.I.-F.N.R.S., crédit de voyage (J.-M. Rigo, S. Belachew, P. Legendre)
8. 2006 — Niet-synaptische functies van glycine en van zijn embryonale receptor: een signaal voor zowel het immuunsysteem als

het zenuwstelsel?, Fonds voor Wetenschappelijke Onderzoek (FWO), Krediet aan navorsers, 12000 EUR (J.-M. Rigo)

9. 2006–2007 — Immature glycine receptors: their role in shaping synaptic plasticity and in developmental processes and their regulation by intracellular transduction mechanisms, Bijzonder Onderzoeksfonds (BOF) Bilaterale wetenschappelijke samenwerking Vlaanderen-Chili, 25000 EUR (J.-M. Rigo, L. Aguayo)

10. 2006–2007 — Glycine: a signalling molecule beyond neurotransmission, Bilaterale samenwerking INSERM-Ministerie van de Vlaamse Gemeenschap, reiskrediet (J.-M. Rigo, P. Legendre)

11. 2006–2009 — Inhibitory neurotransmitters as communication signals between the nervous and the immune systems, BOF Groot Project, 575000 EUR (J.-M. Rigo, P. Stinissen, M. Ameloot, N. Hellings, J. Hendriks, I. Lambrichts, J. Robben, I. Smets, P. Steels, M. vandeVen)

12. 2006–2008 — Inhibitory neurotransmitters as communication signals between the nervous and the immune systems, EURON Marie Curie Early Stage Training (MC-EST) 3-year fellowship (coordinator: H. Steinbusch), salary and benchfee (J.-M. Rigo)

13. 2007–2010 — Synaptic and extra-synaptic ligand-gated ion channels in the hippocampus, SLS tUL doctoraatsbeurs, salary (J.-M. Rigo, G. Hoogland, E. Beuls)

14. 2007–2010 — De rol van de inhiberende neurotransmitters GABA en glycine in de ontwikkelings- en herstelprocessen van oligodendrogliale cellen en hun voorlopers, FWO, 138000 EUR (J.-M. Rigo, M. Ameloot, I. Smets, M. vandeVen)

15. 2007–2008 — Renforcement des capacités d'enseignement à la

faculté de médecine de l'Université de Kinshasa, VLIR-UOS
microprojet RDC, 96855 EUR (J.-M. Rigo, P. Steels, F. Verdonck, S.
Mampunza)

16. 2008 — Glycine: a signalling molecule beyond
neurotransmission, crédit de voyage (J.-M. Rigo, P. Legendre)

17. 2009–2010 — Glycine system and microglia in normal brain and
Multiple Sclerosis, TOURNESOL, reiskrediet (J.-M. Rigo, P.
Legendre)

18. 2009–2013 — tUL-impulsfinanciering fase II, deel van het 'Life
Sciences' luik, 1625000 EUR (woordvoerder strategisch programma
2 van BIOMED)

19. 2009–2012 — Enseignement en sciences médicales de base :
formation des maîtres, évaluation standardisée et mise en place d'un
réseau de compétences et d'enseignement à distance, VLIR-UOS
projet RDC, 188423 EUR (J.-M. Rigo, P. Steels, F. Verdonck, J.-L.
Gilles, S. Mampunza)

20. 2011–2013 — The multiple faces of microglia in brain diseases.
Phenotyping microglia in the acute-chronic switch of autoimmune,
traumatic and excitability disorders, BOF Groot Project, 544000 EUR
(J.-M. Rigo, N. Hellings, S. Hendrix)

21. 2013 — Outils pour l'apprentissage semi-autonome dirigé de la
biologie cellulaire à destination d'étudiants du premier cycle en
sciences de la vie, Fonds Prince Philippe - Développement commun
de matériel didactique, 2500 EUR (J.-M. Rigo UHasselt & M. Thiry
ULg)

22. 2014 — Tonische receptor activatie in de excitatie/inhibitie
balans tijdens de chronische fase van epilepsie, BIOMED structurele

financiering, postdoc mandaat 1 jaar Ann Swijssen

23. 2016 — Inter University Cooperation VLIR-UOS program with the university Moulay Ismail (UMI, Meknes, Morocco), North coordination of the program and of project 1 (institutional strengthening)

24. 2017 — Intra-Africa academic mobility scheme (MOUNAF), Erasmus+ project (Université Moulay Ismail, Maroc, & UHasselt)

As co-investigator

1. 1997 — Physiologie cellulaire des interactions neurono-gliales, de l'oligodendrogenèse et du versant neuronal de l'audition, Fonds spéciaux de la Recherche Ulg, 1996 (G. Moonen, J.-M. Rigo, P. Coucke, S. Belachew)

2. 1998–2002 — Convention de Recherches UCB Pharma-ULg (laboratoire du Prof. G. Moonen)

3. 1998–2001 — Crédit aux chercheurs F.N.R.S. (P. Leprince, J.-M. Rigo, B. Rogister)

4. 2001 — Fonds Spéciaux de la Recherche Ulg (B. Malgrange, S. Belachew, P. Lefebvre, P. Leprince, D. Martin, J.-M. Rigo)

5. 2002 — Fonds Spéciaux de la Recherche Ulg (P. Leprince, J.-M. Rigo, B. Rogister)

6. 2002–2004 — Cellular and molecular strategies in the regeneration of the nervous system, Fondation Médicale Reine Elisabeth, 25000 EUR (G. Moonen, S. Belachew, P. Leprince, B. Malgrange, J.-M. Rigo, B. Rogister)

7. 2004 — La microscopie confocale : un outil indispensable en neurosciences, Fonds spéciaux de la Recherche ULg 2003, 15000

EUR (B. Malgrange, J.-M. Rigo, B. Rogister, T. Grisar, P. Leprince, L. Bettendorf)

8. 2004 — Etude du rôle fonctionnel des récepteurs aux neurotransmetteurs dans les cellules oligodendrogiales, Fonds spéciaux de la Recherche Ulg 2003, 15000 EUR (S. Belachew, J.-M. Rigo)

9. 2007–2010 — Molecular and cellular mechanisms of electrical excitability, Interuniversity Attraction Pole Phase VI, 400000 EUR for UHasselt (K. Sipido, J. Tytgat, E. Godaux, V. Seutin, D. Snyders, L. Leybaert, J.-M. Rigo)

10. 2010–2013 — Diffusie en clustering van isovormen van de glycinereceptor in het plasmamembraan van levende cellen: een micro- en nanoscopische studie, BOF UHasselt (M. Ameloot, J.-M. Rigo, J. Hofkens)

11. 2011–2020 — InterUniversity Cooperation program, Université de Kisangani, RD Congo, VLIR-UOS, 3.5M€ for UHasselt (coordination project 3, institutional strengthening)

12. 2012–2013 — The role of microglia during the development of neuronal networks in the embryonic nervous system, TOURNESOL, reiskrediet (B. Brône, H. Lecorronc, J.-M. Rigo, P. Legendre)

13. 2012–2015 — Molecular and cellular mechanisms of electrical excitability in the heart and central nervous, Interuniversity Attraction Pole Phase VII, 500000 EUR for UHasselt (K. Sipido, J. Tytgat, V. Seutin, J.M. Rigo, S. Schiffmann)

14. 2013–2016 — Embryonic microglia as the 'missing link' in the development of neuropsychiatric disorders, FWO project, 320000 EUR (B. Brône, J.M. Rigo, A. Gaertner, P. Legendre)

15. 2016–2017 — Docimo+, Commission for Technology and Innovation, Switzerland (J.-L. Gilles HEP Lausanne, J.-M. Rigo UHasselt)

16. 2017 — Molecular control of microglial motility by P27, doctoral grant Jolien Beeken, BOF UHasselt (L. Nguyen, B. Brône, J.-M. Rigo)

17. 2018 — A course for innovative teaching and research practice for teacher trainers in Cambodia, South Initiative funded by VLIR-UOS (S. Soth, W. Hustinx, S. Janssen, J.-M. Rigo)

Research awards

- 1990 — Bourse de la Fondation Léon Fredericq pour subsidier un séjour de formation à l'étranger
- 2007–2010 — Professeur invité à la Faculté de Médecine de l'Université de Liège

Teaching activities

Secondary school

1. 1987–1988 — Enseignant de physique en 4^{ème} année de transition (Institut Saint-Laurent, Liège)

Undergraduate level

1. 1988–2000 — Supervision des permanences, organisation des répétitions et des travaux dirigés et nombreuses suppléances pour les cours de Physiologie générale et de Physiologie humaine du Professeur Moonen (ULg)

2. 1996–2004 — Suppléances pour des cours libres de 3^{ème} cycle

(ULg)

3. 2000–2002 — Organisation des travaux dirigés pour le cours de Physiologie humaine du Professeur Grisar (2ème et 3ème candidatures en Médecine, ULg)

4. 2001–2004 — Titulaire du cours « Electrophysiologie (partim neurones) » 15h (option au DES en Sciences biomédicales, orientation Neurosciences, ULg)

5. 2001–2004 — Titulaire du cours « Techniques électrophysiologiques » 0h + 20h (obligatoire aux DEA et DES en Sciences biomédicales, orientation Neurosciences, ULg)

6. 2001–2004 — Suppléance pour le module "Apprentissage" organisé aux 2ème et 3ème semestres des candidatures de la Faculté de Médecine (médecine, dentisterie, kinésithérapie, pharmacie et sciences biomédicales, ULg)

7. 2004–2012 — Coördinator van het blok 2.1 Zenuwen en zintuigen (2de bachelor in de biomedische wetenschappen, transnationale Universiteit Limburg, tUL)

8. 2004-now — Docent in het blok 3.1 Zieken cellen (3de bachelor in de biomedische wetenschappen, tUL)

9. 2004–2013 — Co-titularis van het blok 2.4 Zenuwen en Zintuigen (2de bachelor Geneeskunde, U Hasselt; co-titularis vanaf 2007)

10. 2004–2010 — Docent in het minor/major programma voor het onderdeel elektrofysiologie (3de bachelor in de biomedische wetenschappen, tUL)

11. 2004-now — Begeleider van jaarwerkstukken (2de bachelor in de biomedische wetenschappen, tUL en 3de bachelor in geneeskunde, U Hasselt)

12. 2005–2011 — Coördinator van het blok 4.1 Molecular Mechanisms of Disease (1ste Master in Clinical Molecular Sciences, tUL)
13. 2005–2008 — Coördinator van een module van het blok 4.2 Molecular Diagnosis and Therapy (1ste Master in Clinical Molecular Sciences, tUL)
14. 2005–2007 — Coördinator van het blok 4.4b voor het vak Electrophysiology (1ste Master in Bioelectronics and Nanotechnology, tUL)
15. 2007–2012 — Coördinator van het keuzeblok 4.4 Channelopathies (1ste Master in Clinical Molecular Sciences, tUL)
16. 2007–2014 — Enseignant pour les Séminaires d'Anglais scientifique (1er master en sciences biomédicales, Ulg)
17. 2007-now — Docent in het opleidingsonderdeel Fysiologie der dieren (2de en dan 1ste Bachelor in Biologie, UHasselt)
18. 2007-now — Docent in het blok Electrophysiology and Imaging (1st master in Biomedical Sciences, tUL)
19. 2008–2010 — Docent in het blok 5.1 Fundamental research (2de master in Clinical Molecular Sciences, tUL)
20. 2009–2012 — Coördinator van het exploratieblok Epilepsie (3de Bachelor in Geneeskunde, UHasselt)
21. 2010–2012 — Coördinator van het blok 1.5 De Cel als Organisme (1ste bachelor in de biomedische wetenschappen, tUL)
22. 2010–2012 — Coördinator van het blok 1.6 Transport en Communicatie in Cellen en Weefsels (1ste bachelor in geneeskunde, UHasselt)
23. 2010–2012 — Docent in het blok Medical Biology (2de master in

Statistics, UHasselt)

24. 2012-now — Coördinator van het blok 1.5 Transport en Communicatie in Cellen en Weefsels (1ste bachelor in geneeskunde, UHasselt)

25. 2012-now — Co-titularis van het blok 2.1 Biomedische neurowetenschappen (2de bachelor in de biomedische wetenschappen, UHasselt)

26. 2012-now — Co-titularis van het keuzeonderwijs 'Cellular and Developmental Neuroscience' (1ste master in de biomedische wetenschappen, UHasselt)

27. 2013-now — Docent in het blok 'Rug en onderste lidmaat' (2de bachelor geneeskunde, UHasselt)

28. 2013-now — Docent in het blok 'Hoofd en Hals' (2de bachelor geneeskunde, UHasselt)

29. 2013-now — Coördinator van het blok 2.5 Neurowetenschappen (2de bachelor Geneeskunde, UHasselt)

Post-graduate level

1. 2007 — Co-organisator of a postgraduate course Cellular and molecular electrophysiology in the frame of the EURON network (collaboration UHasselt, ULg, ULB)

2. 2007 — 9de Wetenschappelijke zitting Milieu & Gezondheid Geuren en smaken (08/12, Virga Jesseziekenhuis, Hasselt, Belgium)

3. 2008 — Summer course Recent progress in central nervous system receptors: functions and applications (14–18/01, Universidad de Concepcion, Chile)

Master students' theses

As main promoter

1. 1989–1990 — Direction du mémoire de fin d'études en Assistant de Laboratoire d'Annick COEMANS (Institut d'Enseignement Supérieur Saint-Laurent, Section Chimie Clinique, Liège)
2. 1994–1995 — Direction du mémoire de fin d'études en Assistant de Laboratoire d'Abdelilah LABIB (Institut d'Enseignement Supérieur Saint-Laurent, Section Chimie Clinique, Liège)
3. 1996–1997 — Direction du mémoire de fin d'études en Assistant de Laboratoire de Karen TUCKER (Institut d'Enseignement Supérieur Saint-Laurent, Section Chimie Clinique, Liège)
4. 1998–1999 — Supervision du mémoire de fin d'études en Biologie animale de Laurent NGUYEN (ULg, Liège)
5. 2001–2002 — Supervision du mémoire de fin d'études en Biologie animale de Catherine GOUGNARD (ULg, Liège)
6. 2003–2004 — Supervision du mémoire de fin d'études en Sciences Biomédicales de Franz WAUTIER (ULg, Liège)
7. 2008–2009 — Begeleiding van de masterthesis van Nina SWINNEN (UHasselt, Diepenbeek)
8. 2008–2009 — Begeleiding van de masterthesis van Kristof NOTELAERS (UHasselt, Diepenbeek)
9. 2008–2009 — Supervision du mémoire de fin d'études en Sciences Biomédicales de Sandra CARREA (Erasmus belgica ULg-UHasselt)
10. 2010–2011 — Begeleiding van de masterthesis van Sophie SMOLDERS (UHasselt, Diepenbeek)

As co-promoter

1. 1988–1989 — Co-direction du mémoire de fin d'études en Education Physique de Christian BIEMAR (ULg, Liège)
2. 2005–2006 — Begeleiding van de masterthesis van Nick SMISDOM (UHasselt, Diepenbeek)
3. 2006–2007 — Begeleiding van de masterthesis van Sofie VOSSIUS (UHasselt, Diepenbeek)
4. 2006–2007 — Begeleiding van de masterthesis van Sarah MERTENS (UHasselt, Diepenbeek)
5. 2008–2009 — Begeleiding van de masterthesis van Robin MATHIJSEN (UHasselt, Diepenbeek)
6. 2008–2009 — Begeleiding van de masterthesis van Steven BIESMANS (UHasselt, Diepenbeek)
7. 2008–2009 — Begeleiding van de masterthesis van Kristof THEWISSEN (UHasselt, Diepenbeek)
8. 2009–2010 — Begeleiding van de masterthesis van Eef DRIES (UHasselt, Diepenbeek)

PhD students' theses

Supervision

As main promoter

1. 1999–2003 — Supervision de la thèse de doctorat en sciences biomédicales expérimentales de Laurent NGUYEN (ULg, Liège)
2. 2002–2005 — Supervision de la thèse de doctorat en sciences biomédicales expérimentales de Grégory HANS , docteur en médecine, chirurgie et accouchement (ULg, Liège)

3. 2004–2008 — Begeleiding van de doctoraatsthesis van Roeland BUCKINX(UHasselt, Diepenbeek)
4. 2004–2010 — Begeleiding van de doctoraatsthesis van Jimmy VAN DEN EYNDEN (UHasselt, Diepenbeek)
5. 2006- — Begeleiding van de doctoraatsthesis van Sahina SAHEBALI (UHasselt, Diepenbeek)
6. 2006–2011 — Begeleiding van de doctoraatsthesis van Ann SWIJSEN (UHasselt, Diepenbeek)
7. 2008–2013 — Begeleiding van de doctoraatsthesis van Ariel AVILA (UHasselt, Diepenbeek & ULg, Liège)
8. 2008- — Begeleiding van de doctoraatsthesis van Anke SMETS (UHasselt, Diepenbeek & J&J, Beerse)
9. 2009–2013 — Begeleiding van de doctoraatsthesis van Nina SWINNEN (UHasselt, Diepenbeek)
10. 2011- — Begeleiding van de doctoraatsthesis van Marjolein RAIJMAKERS (UHasselt, Diepenbeek)
11. 2013- — Begeleiding van de doctoraatsthesis van Joris COMHAIR (UHasselt, Diepenbeek)
12. 2017- — Begeleiding van de doctoraatsthesis van Marius BAGUMA (UHasselt)

As co-promoter

1. 2004–2009 — Begeleiding van de doctoraatsthesis van Daniel JANSSEN (UHasselt, Diepenbeek)
2. 2006–2011 — Begeleiding van de doctoraatsthesis van Nick SMISDOM (UHasselt, Diepenbeek)
3. 2006–2011 — Begeleiding van de doctoraatsthesis van Sofie

CARMANS (UHasselt, Diepenbeek)

4. 2010–2014 — Begeleiding van de doctoraatsthesis van Kristof NOTELAERS (UHasselt, Diepenbeek)

5. 2010–2015 — Begeleiding van de doctoraatsthesis van Ben DE CLERCQ (UHasselt, Diepenbeek)

6. 2011–2017 — Begeleiding van de doctoraatsthesis van Sophie SMOLDERS (UHasselt, Diepenbeek)

7. 2012–2016 — Begeleiding van de doctoraatsthesis van Giovanni MORELLI (UHasselt, Diepenbeek)

8. 2013–2017 — Begeleiding van de doctoraatsthesis van Silke SMOLDERS (UHasselt, Diepenbeek)

9. 2014–2018 — Begeleiding van de doctoraatsthesis van Lena FONT PEREZ (Universidad del Norte, Cuba)

10. 2016- — Begeleiding van de doctoraatsthesis van Jens DEVOGHT (UHasselt)

11. 2017- — Begeleiding van de doctoraatsthesis van Jolien BEEKEN (UHasselt)

Jury

International

1. 2002 — Membre du comité de lecture et du jury d'Habilitation à Diriger des Recherches d'Alice GUYON (Université Pierre et Marie Curie Paris VI)

2. 2005 — Membre rapporteur pour le doctorat en sciences d'Emilie MULLER (Paris 6, France)

3. 2012 — Lid van de doctoraatscomité van Jochen DE VRY (UM, Maastricht, Nederland)

4. 2013 — Membre du comité de lecture et du jury de doctorat de Chiara RIGATO (Université Pierre et Marie Curie, Paris, France)
5. 2013 — Lid van de doctoraatsjury van Mihaela BACALUM (Bucarest, Roemenië)
6. 2017 — Lid van de doctoraatsjury van Monara ANGELIM (Paris 6, France)

National

1. 2004 — Membre du comité de lecture et du jury de doctorat en Sciences de Stéphane BOVERIE (ULg, Liège)
2. 2005 — Membre du comité de lecture et du jury de doctorat en Sciences biomédicales de Antoine ADAMANTIDIS (ULg, Liège)
3. 2005 — Membre du comité de lecture et du jury de doctorat en Sciences biomédicales de François LALLEMEND (ULg, Liège)
4. 2006 — Membre du comité de lecture et du jury de doctorat de Geneviève PHILIPPE (ULg, Liège)
5. 2007 — Membre du comité de lecture et du jury de doctorat en Sciences biomédicales de Marie GENLAIN (UMH, Mons)
6. 2008 — Lid van de doctoraatscomité van Joëlle NSIMIRE CHABWINE (KULeuven, Leuven)
7. 2009 — Lid van de doctoraatscomité van Dries BRAEKEN (KULeuven, Leuven)
8. 2010 — Lid van de doctoraatscomité van Kurt WINTERS (KULeuven, Leuven)
9. 2010 — Membre du comité de lecture et du jury de doctorat de Cédric LAMY (ULg, Liège)
10. 2011 — Lid van de doctoraatscomité van Annelies VAN DER

HAEGEN (KULeuven, Leuven)

11. 2011 — Lid van de doctoraatscomité van Thomas

VANDENDRIESSCHE (KULeuven, Leuven)

12. 2011 — Membre du comité de lecture et du jury de doctorat de
Vanessa ERCULISSE (UMons, Mons)

13. 2012 — Lid van de doctoraatscomité van Marijke STEVENS
(KULeuven, Leuven)

14. 2015 — Lid van de doctoraatsjury van Laurie LAMBOT (ULB,
Bruxelles)

15. 2016 — Lid van de doctoraatsjury van Fabian PHILIPPART
(ULiège)

16. 2017 — Lid van de doctoraatsjury van Julien ECHTERBILLE
(ULiège)

Own institution

1. 2006 — Lid van de doctoraatscomité van Marjan MOREELS
(UHasselt)

2. 2006 — Lid van de doctoraatscomité van Joris VANDERLOCHT
(UHasselt)

3. 2008 — Voorzitter van de doctoraatsjury van Véronique
VERMEEREN (UHasselt)

4. 2008 — Lid van de doctoraatscomité van Koen JOLLING
(UHasselt)

5. 2009 — Lid van de doctoraatscomité van Helena SLAETS
(UHasselt)

6. 2010 — Voorzitter van de doctoraatsjury van Evi THEUNISSEN
(UHasselt)

7. 2010 — Voorzitter van de doctoraatsjury van Kim PANNEMANS (UHasselt)
8. 2010 — Voorzitter van de doctoraatsjury van Remco KONINCKX (UHasselt)
9. 2011 — Voorzitter van de doctoraatsjury van Eve PEERAER (UHasselt)
10. 2011 — Lid van de doctoraatscomité van Inge SMOLDERS (UHasselt)
11. 2011 — Voorzitter van de doctoraatsjury van Judith FRAUSSEN (UHasselt)
12. 2011 — Lid van de doctoraatscomité van Katherine NELISSEN (UHasselt)
13. 2011 — Voorzitter van de doctoraatsjury van Nele JACOBS (UHasselt)
14. 2011 — Voorzitter van de doctoraatsjury van Tom BROEKMANS (UHasselt)
15. 2011 — Voorzitter van de doctoraatsjury van Tom STRUYS (UHasselt)
16. 2011 — Voorzitter van de doctoraatsjury van Wendy MARTENS (UHasselt)
17. 2012 — Voorzitter van de doctoraatsjury van Stan POLITIS (UHasselt)
18. 2013 — Voorzitter van de doctoraatsjury van Faridi NARAIN (UHasselt)
19. 2013 — Lid van de doctoraatscomité van Sofie NELISSEN (UHasselt)
20. 2013 — Lid van de doctoraatsjury van Jeroen BOGIE (UHasselt)

21. 2013 — Lid van de doctoraatsjury van Pia VIDAL (UHasselt)
22. 2014 — Lid van de doctoraatsjury van Ingrid MEEUX (UHasselt)
23. 2014 — Lid van de doctoraatsjury van Valérie PENNEMANS (UHasselt)
24. 2016 — Lid van de doctoraatsjury van Kathleen SANEN (UHasselt)
25. 2016 — Lid van de doctoraatsjury van Dearbhaile DOOLEY (UHasselt)
26. 2017 — Lid van de doctoraatsjury van Jacoine KUIJLAARS (UHasselt)