

CV Brigitte MALGRANGE

PERSONAL DATA

Place and date of birth Paris (France) on July 21th, 1966

Civil status Married, 4 children

Professional address GIGA-Stem cells
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EDUCATION AND POSITION

1989 Pharm.D., University Paris XI (Summa cum laude), Paris

1990 European DEA in Fundamental and Experimental Toxicology with high honors

1994 PhD in Biomedical Sciences, University of Liège (Summa cum Laude)

1999 National Fund for Scientific Research (F.N.R.S) Research associate (ULg)

2004 Docent “Agrégation de l’enseignement Supérieur”, University of Liège

2009 Research Director of the F.N.R.S.

AWARDS, HONORS AND MAIN FUNDINGS

- **Main Fundings:** FRS-FNRS (2919-2022) “Deciphering the molecular mechanisms regulating the normal and pathological development of the auditory system” (318k€); Federation Wallonie Bruxelles, Action de recherche Concertée (2017-2021) “Deciphering the role of protein ubiquitination in human cortical malformation and hearing impairment” (263k€); Win2wal grant (Region Wallone, 2019-2022) PresbyDX project (600k€), Euronanomed III call (2021-2025), NANOEAR, coordinator (200k€ FNRS), Win2wal grant (Region Wallonne, 2021-2024) Nanopdelear project (600k€).
- **Awards & honors:** Galien Award (1996); Princesse de Merode Award (1997); Alverenga de Piauhy award (Royal Belgian medicine academy, 2004); Comte de Launoit award (2005); Janine and Jacques Delruelle award (Fondation Medicale Reine Elisabeth, 2012); Fondation Medicale Reine Elisabeth award (2014 and 2017); Solvay Prize (2014); Elected member of CORLAS (Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum) (2016-)

MEMBERSHIPS – PROFESSIONAL SOCIETIES

- Regular member of the Belgian Society for Neuroscience, the Federation of European Neuroscience Societies, the Belgian Society for Cell and Developmental Biology, the American Society for Neuroscience and the Association for Research in Otolaryngology
- Board member of the Belgian Society for Neuroscience and the Belgian Society for stem cell research

OTHER SCIENTIFIC ACTIVITIES

- Regular reviewer for international scientific journals (Stem cells, EMBO molecular medicine, Journal of Neuroscience, etc..)
- Member of the review panel at the French AFM (“association française contre les myopathies”), Member of the review panel for DFG (German Research Foundation) to evaluate the priority program 1608, Member of the review panel at the FNRS – SVS3 committee (2015), Member of the review panel at the FNRS-FRIA – LS5 committee (2016-2019); Reviewer (each year) for one or two ANR grants (French national Research Agency); Reviewer for the European Community (H2020 call, ERC grants...) every year

- Associate editor Stem Cell Reviews and Reports (2014-present), Associate editor JARO (journal of the association for Research in Otolaryngology (2015-present)
- President of the Scientific Board of Dendrogenix (start-up based in Liege)
- Member of the scientific board of the “Fondation pour l’audition” (Paris, France; 2016-present)
- Member of the scientific advisory board of the Institute of Neuroscience of Montpellier (2019-present)

PHD THESIS

PhD supervised (15 in total, 5 since 2015)

Priscilla Van den Ackerveken (2010- 2015), Benjamin Grobarczyk (2010-2015), Susana Mateo Sanchez (2011-2016), Quentin Marlier (2014-2018), Amandine Czajkowski (2014-2019), Amandine Delhez (2014-2021)

PhD thesis under supervision

Sébastien Verteneuil (2015-), Ronald Pouyo (2017-), Tine D’aes (2019-), Mary Presse (2019-), Ilyas Chohra (2020-), Mona Veithen (2020-)

Jury member PhD thesis (2015-2020)

Dr Cloes (Ulg, GIGA-Neuro), Dr Johnen (Ulg, GIGA-neuro), Dr Ghaye (GIGA-development), Dr Vandenberghe (KUL), Dr Locher (Leiden University, The Netherlands), Dr Tielens (Ulg, GIGA-Neuro), Dr Surel (INM, Montpellier, France), Dr Renauld (Ulg, GIGA-Neuro), Dr Benkafadar (INM, Montpellier), Dr Harrus (INM, Montpellier, France), Dr Tertrais (INSERM, University of Bordeaux, France), Dr Lombard (Ulg, GIGA-Neuro), Dr Ogier (University of Melbourne, Australia), Dr Agirman (Ulg, GIGA-stem cells), Dr Markouli (KUL, Belgium), Dr Florent Porquet (Ulg, GIGA-Neuro), Dr Nicolas Thelen (Ulg, GIGA - Neuro), Dr Corentin Affortit (INM, Montpellier, France), Dr Jana Van Broeckhoven (UHasselt, Belgium), Dr Alexander Keller (VUB, Belgium).

SCIENTIFIC PROFILE

> 110 publications (<https://orcid.org/0000-0002-8957-2528>)

> 50 invited lectures and contributed talks

	Google scholar	Scopus
Years of experience	26	26
Number of publications	150	128
H-index	52	43
Total number of citations	8957	5181
Mean citation number	59	40

FIVE SELECTED PUBLICATIONS RELEVANT TO THE APPLICATION

- Freeman S, Mateo Sánchez S, Pouyo R, Van Lerberghe PB, Hanon K, Thelen N, Thiry M, Morelli G, Van Hees L, Laguesse S, Chariot A, Nguyen L, Delacroix L, **Malgrange B**. Proteostasis is essential during cochlear development for neuron survival and hair cell polarity. EMBO Rep. 2019 Sep;20(9): e47097
- Van den Ackerveken, P., Mounier, A., Huyghe, A., Sacheli, R., Vanlerberghe, P. B., Volvert, M. L., Delacroix, L., Nguyen, L., and **Malgrange, B.** (2017) The miR-183/ItgA3 axis is a key regulator of prosensory area during early inner ear development. Cell Death Differ 24, 2054-2065
- Huyghe, A., Van den Ackerveken, P., Sacheli, R., Prevot, P. P., Thelen, N., Renauld, J., Thiry, M., Delacroix, L., Nguyen, L., and **Malgrange, B.** (2015) MicroRNA-124 Regulates Cell Specification in the Cochlea through Modulation of Sfrp4/5. Cell Rep 13, 31-42

- Defourny, J., Mateo Sanchez, S., Schoonaert, L., Robberecht, W., Davy, A., Nguyen, L., and **Malgrange, B.** (2015) Cochlear supporting cell transdifferentiation and integration into hair cell layers by inhibition of ephrin-B2 signalling. *Nat Commun* 6, 7017
- Defourny, J., Poirrier, A. L., Lallemand, F., Mateo Sanchez, S., Neef, J., Vanderhaeghen, P., Soriano, E., Peuckert, C., Kullander, K., Fritsch, B., Nguyen, L., Moonen, G., Moser, T., and **Malgrange, B.** (2013) Ephrin-A5/EphA4 signalling controls specific afferent targeting to cochlear hair cells. *Nat Commun* 4, 1438