



## Curriculum Vitae

### Personal information **Nicolas Dubuisson**

#### Work experience

Sept 2024 - present: John Radcliffe University Hospital, Oxford, UK: honorary consultant neurologist (outpatient clinic, clinical trial and clinical research)

Oct 2019 – present: Cliniques Universitaires St-Luc UCL (Brussels) BELGIUM: consultant neurologist (outpatient clinic, clinical trial and clinical research)

Oct 2018- Sept 2019 Cliniques Universitaires St-Luc UCL (Brussels) BELGIUM: fellow in neuromuscular diseases (outpatient clinic, clinical trial and clinical research)

#### Education and training

- **Postdoctoral research** (Sept 2024-...): GM1 neuropathies from antibodies to phenotype - **Nuffield Clinical Department of Neurosciences/ University of Oxford (Oxford) UK**
- **PhD thesis** (Sept 2019-Aug 2024): New perspectives for the management of Duchenne Muscular Dystrophy- **IREC/IONS UCLouvain (Brussels) BELGIUM**
- **Neurology residency**: April 2018- Sept 2018 **Clinique universitaire St-Luc UCL (Brussels) BELGIUM**: neuromuscular clinic and EMG.
- **Neurology residency**: Oct 2017 - March 2018 **Clinique universitaire St-Luc UCL (Brussels) BELGIUM**: EEG, evoked potential, sleep disorder clinic, neuromuscular clinic and EMG.
- **Neurology residency**: Oct 2016-Sept 2017 **Blizard Institute, Barts and The London School of Medicine and Dentistry, Queen Mary University (London)**: Multiple sclerosis clinic and clinical research
- **Neurology residency**: April 2016-Sept 2016 **Clinique universitaire St-Luc UCL (Brussels) BELGIUM**: neurological emergency room and neurology referrals.
- **Neurology residency**: Oct 2015-March 2016 **Clinique universitaire St-Luc UCL (Brussels) BELGIUM**: neuromuscular clinic and EMG.
- **Neurology residency**: Oct 2014- Sept 2015 **Clinique Saint-Pierre d'Ottignies BELGIUM**: general neurology hospitalization service, neuromuscular clinic and EMG.
- **Neurology residency**: April 2014- Sept 2014 **Cliniques universitaires CHU Godinne (Mont-Godinne) BELGIUM**: stroke unit and general neurology hospitalization service.
- **Neurology residency**: Oct 2013- March 2014 **Cliniques universitaires CHU Godinne (Mont-Godinne) BELGIUM**: general neurology clinic. Stroke unit on duty.
- **Master** Sep 2009 - June 2013 School of Medecine, Université Catholique de Louvain (Brussels, Belgium), graduated with high distinction.
- **Bachelor** Sep 2006 - June 2009 School of Medecine, Faculté Universitaire Notre-Dame de la Paix (Namur, Belgium), graduated with high distinction.

#### Additional information

##### Publications

1. Dupuis M, van Rijkevorsel K, Evrard F, **Dubuisson N**, Dupuis F, Van Robays P. Takotsubo syndrome (TKS): a possible mechanism of sudden unexplained death in epilepsy (SUDEP). *Seizure*. 2012;21(1):51 - 54. doi:10.1016/j.seizure.2011.09.006
2. **Dubuisson NJ**, Van Pesch V, Van Den Bergh PYK. Cramp-fasciculation syndrome associated with monofocal motor neuropathy. *Muscle Nerve*. 2017;56(4):828 - 832. doi:10.1002/mus.25528
3. **Dubuisson N**, Marta M, Gnanapavan S, Turner B, Baker D, Giovannoni G, Schmierer K, Thomson A. Disease modification in advanced MS: Focus on upper limb function. *Mult Scler*. 2017 Dec;23(14):1956-1957. doi: 10.1177/1352458517717811.
4. **Dubuisson N**, Bauer A, Buckley M, Gilbert R, Paterson A, Marta M, Gnanapavan S, Turner B, Baker D, Giovannoni G, Schmierer K, Thomson A. Validation of an environmentally-friendly and affordable cardboard 9-hole peg test. *Multiple Sclerosis and Related Disorders* 17C (2017) pp. 172-176 doi: 10.1016/j.msard.2017.08.002.
5. **Dubuisson N**, Puentes F, Giovannoni G, Gnanapavan S. Science is 1% inspiration and 99% biomarkers. *Mult Scler*. 2017;23(11):1442 - 1452. doi:10.1177/1352458517709362
6. **Dubuisson N**, Baker D, Kang A, Marta M, Vesser L, Hoffman WE, Gnanapavan S, Giovannoni G, Schmierer K, Alemtuzumab depletion failure occurs, possible role of genetic variation and neutralizing antibodies. *Immunology*. 2018 Jun;154(2):253-260. doi: 10.1111/imm.12879.
7. Ceronie B, Jacobs BM, Baker D, Dubuisson N, Mao Z, Ammoscato F, Lock H, Longhurst HJ, Giovannoni G, Schmierer K. Cladribine treatment of multiple sclerosis is associated with depletion of memory B cells. *J Neurol* 2018. <https://doi.org/10.1007/s00415-018-8830-y>
8. Yildiz O, Mao Z, **Dubuisson N**, Allen-Philbey K, Giovannoni G, Malaspina A, Baker D, Gnanapavan S,

- Schmierer K, Disease activity in progressive multiple sclerosis is effectively reduced by cladribine, [Mult Scler Relat Disord](#). 2018 May 31;24:20-27. doi: 10.1016/j.msard.2018.05.010.
9. **Dubuisson N**, Axelsson M, Novakova L, et al. Cerebrospinal fluid NCAM levels are modulated by disease-modifying therapies. *Acta Neurol Scand*. 2019;139(5):422 - 427. doi:10.1111/ane.13069
  10. **Dubuisson N**, Marta M, Gnanapavan S, et al. Inclusion criteria used in trials of people with progressive multiple sclerosis. *Mult Scler*. 2020;26(3):279 - 283. doi:10.1177/1352458518803769
  11. Abou-Samra, M., Selvais, C. M., **Dubuisson, N.**, & Brichard, S. M. (2020). Adiponectin and Its Mimics on Skeletal Muscle: Insulin Sensitizers, Fat Burners, Exercise Mimickers, Muscling Pills ... or Everything Together?. *International journal of molecular sciences*, 21(7), 2620. doi: [10.3390/ijms21072620](#)
  12. Maldonado Sloopjes S, Guilmot A, **Dubuisson N**, van Pesch V, Elsankari S. Intravenous immunoglobulin-induced aseptic meningitis in a patient with Miller Fisher syndrome. *Acta Neurol Belg*. 2020 Aug;120(4):1015-1016. doi: 10.1007/s13760-020-01389-0.
  13. Guilmot A, Maldonado Sloopjes S, Bissay V, **Dubuisson N**, de Broglie C, Gille M. SARS-CoV-2-associated Guillain-Barré syndrome in four patients: what do we know about pathophysiology? *Acta Neurol Belg*. 2021 Sep 2:1-5. doi: 10.1007/s13760-021-01787-y.
  14. Beijer D, Kim HJ, Guo L, O'Donovan K, Mademan I, Deconinck T, Van Schil K, Fare CM, Drake LE, Ford AF, Kočański A, Kabzińska D, **Dubuisson N**, Van den Bergh P, Voermans NC, Lemmers RJ, van der Maarel SM, Bonner D, Sampson JB, Wheeler MT, Mehrabyan A, Palmer S, De Jonghe P, Shorter J, Taylor JP, Baets J. Characterization of HNRNPA1 mutations defines diversity in pathogenic mechanisms and clinical presentation. *JCI Insight*. 2021 Jul 22;6(14):e148363. doi: 10.1172/jci.insight.148363
  15. **Dubuisson N**, Versele R, Davis-López de Carrizosa MA, Selvais CM, Brichard SM, Abou-Samra M. Walking down Skeletal Muscle Lane: From Inflammasome to Disease. *Cells*. 2021 Nov 4;10(11):3023. doi: 10.3390/cells10113023.
  16. **Dubuisson N**, Versele R, Davis-López de Carrizosa MA, Selvais CM, Abou-Samra M and Brichard SM,., Inflammasome inhibitors for the treatment of muscular dystrophies. *Front. Immunol.*, 07 December 2022. *Sec. Inflammation*. doi: [10.3389/fimmu.2022.1049076](#)
  17. Camille M. Selvais, María A. Davis-López de Carrizosa, Maxime Nachit, Romain Versele, **Nicolas Dubuisson**, Laurence Noel, Justine Gillard, Isabelle A. Leclercq, Sonia M Brichard and Michel Abou-Samra. AdipoRon enhances healthspan in middle-aged obese mice: striking alleviation of myosteatosis and muscle degenerative markers. 13 December 2022. doi: 10.1002/jcsm.13148.
  18. **Dubuisson N**, Versele R, Nel L, Selvais CM, Abou-Samra M and Davis-López de Carrizosa MA; Histological Methods to Assess Skeletal Muscle Degeneration and Regeneration in Duchenne Muscular Dystrophy. *Int. J. Mol. Sci*. 2022, 23(24), 16080; <https://doi.org/10.3390/ijms232416080>
  19. Hamadeh T, van Doormaal PTC, Pruppers MHJ, van de Mortel JPM, Hoesjmakers JGJ, Cornblath DR, Vrancken AFJE, Faber CG, **Dubuisson N**, Notermans NC, Merckies ISJ; IMAGiNe Consortium. IgM anti-MAG± peripheral neuropathy (IMAGiNe) study protocol: An international, observational, prospective registry of patients with IgM M-protein peripheral neuropathies. *J Peripher Nerv Syst*. 2023 Jun;28(2):269-275. doi: 10.1111/jns.12547.
  20. **Dubuisson N**, Versele R, Davis-López de Carrizosa MA, Selvais CM, Noel L, Planchon C, Van den Bergh PYK, Brichard SM, Abou-Samra M. The Adiponectin Receptor Agonist, ALY688: A Promising Therapeutic for Fibrosis in the Dystrophic Muscle. *Cells*. 2023 Aug 19;12(16):2101. doi: 10.3390/cells12162101.
  21. **Dubuisson N**, de Maere d'Aertrijcke O, Marta M, Gnanapavan S, Turner B, Baker D, Schmierer K, Giovannoni G, Verma V, Docquier MA. Anaesthetic management of people with multiple sclerosis. *Mult Scler Relat Disord*. 2023 Oct 11;80:105045. doi: 10.1016/j.msard.2023.105045.
  22. **Dubuisson N**, Claeys K, Schoser B. Editorial: Implementing new technologies for neuromuscular disorders. *Front Neurol*. 2024 Feb 5;15:1370538. doi: 10.3389/fneur.2024.1370538.
  23. De Wel B, Iterbeke L, Huysmans L, Peeters R, Goossens V, **Dubuisson N**, van den Bergh P, Van Parijs V, Rémiche G, De Waele L, Maes F, Dupont P, Claeys KG. Lessons for future clinical trials in adults with Becker muscular dystrophy: Disease progression detected by muscle magnetic resonance imaging, clinical and patient-reported outcome measures. *Eur J Neurol*. 2024 Jul;31(7):e16282. doi: 10.1111/ene.16282.
  24. Selvais CM, Davis-López de Carrizosa MA, Versele R, **Dubuisson N**, Noel L, Brichard SM, Abou-Samra M. Challenging Sarcopenia: Exploring AdipoRon in Aging Skeletal Muscle as a Healthspan-Extending Shield. *Antioxidants*. 2024; 13(9):1073. <https://doi.org/10.3390/antiox13091073>
  25. Smeets N, Gheldof A, Dequeker B, Poleur M, Maldonado Sloopjes S, Van Parijs V, Deconinck N, Dontaine P, Alonso-Jimenez A, De Bleecker J, De Ridder W, Herdewyn S, Paquay S, Vanlander A, De Waele L, Peirens G, Beysen D, Claeys KG, **Dubuisson N**, Hansen I, Rémiche G, Seneca S, Bissay V, Régál L. Congenital Myasthenic Syndromes in Belgium: Genetic and Clinical Characterization of Pediatric and Adult Patients. *Pediatr Neurol*. 2024 Sep;158:57-65. doi: 10.1016/j.pediatrneurol.2024.06.002.
  26. Abou-Samra, M.; **Dubuisson, N.**; Marino, A.; Selvais, C.M.; Romain, V.; Davis-López de Carrizosa, M.A.; Noel, L.; Beauloye, C.; Brichard, S.M.; Horman, S. Striking Cardioprotective Effects of an Adiponectin Receptor Agonist in an Aged Mouse Model of Duchenne Muscular Dystrophy. *Antioxidants* 2024, 13, 1551. <https://doi.org/10.3390/antiox13121551>

## Projects

### CLINICAL TRIAL EXPERIENCE

- Principal Investigator for
  - ARGX-113-1802 Trial to Investigate the Long-term Safety, Tolerability, and Efficacy of Subcutaneously Administered Efgartigimod with rHuPH20 in Patients with Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)
  - MOM-281-011 Trial to evaluate the efficacy and safety of nivalcimab compared to placebo in participants with generalized myasthenia gravis (gMG).

### GRANTS

- ECTRIMS Multiple Sclerosis clinical training fellowship (1 year) at the Royal London Hospital, London, UK (2016-2017)
- EAN clinical fellowship: training in nerve sonography at the University Medical Center in Utrecht, The Netherlands (2018-2019)
- FNRS (Clinical Master Specialist Applicant to a Ph.D.- SD) 4 years (2019-2023)

- Fonds de Recherche Clinique (FRC) 1 year research (2023-2024)
- Peripheral nerve society (PNS) 2 years research fellowship (2024-2026)
- Fondation St-Luc (Cliniques Universitaires St-Luc) (2024)
- Unlock for rare (Cliniques Universitaires St-Luc) (2024)
- Bourse d'Excellence WBI.World (Fédération Wallonie-Bruxelles) (2024-2026)
- MMN Research Grant from the GBS|CIDP Foundation International (2024)

## Memberships

### PROFESSIONAL BODIES MEMBERSHIP

- General Medical Council (GMC) - Feb 2024-present
- Ordre des médecins - Oct 2013-present

### SCIENTIFIC SOCIETY MEMBERSHIP

- Member of the World muscle society (WMS)
- Member of the Peripheral nerve society (PNS)
- Member of the European academy of neurology (EAN)
- Resident and Research Fellow Section (RRFS) representant in the neuropathy board at the EAN

### FELLOWSHIPS

- ECTRIMS Multiple Sclerosis clinical training fellowship (1 year) at the Royal London Hospital, London, UK (2016-2017)
- Fellowship in neuromuscular diseases (outpatient clinic, clinical trial and clinical research) at Cliniques Universitaires St-Luc UCL (Brussels) BELGIUM (2018-2019):
- EAN clinical fellowship: training in nerve sonography at the University Medical Center in Utrecht, The Netherlands (2018-2019)

### AWARDS

- Prix Coers (2024). This prize is intended to encourage a particularly brilliant research project by young researchers working in laboratories and/or university hospital departments of the French Community in the field of neuromuscular pathology.

### ABSTRACTS PUBLISHED IN CONFERENCE PROCEEDINGS

1. **Dubuisson N**, Dupuis M, Evrard F, vanRijckevorsel K, Screening of Takotsubo Syndrome (TKS) after Seizure by Troponin Assay: A Prospective study. (P03.131) Neurology. February 12, 2013; 80 (7 Supplement)
2. **Dubuisson N**, Vandermeeren Y, Laloux P, A severe chronic form of ("A")MSAN during pregnancy. European Journal of Neurology, May 2014, Volume 21, Supplement 1.
3. **Dubuisson N**, Dupuis M, Evrard F, Jacquerye P, Subependymoma presenting in family adenomatous polyposis: random association or Turcot syndrome? European Journal of Neurology. 2015, Volume 22, Issue Supplement S1, Pages 1–933.
4. **Dubuisson N**, Van Pesch V, Van den Berg P, Cramp fasciculation syndrome an unexpected etiology. Journal of the Peripheral Nervous System, 2016, 21:157–228
5. **Dubuisson N**, Bauer A, Calada-Marta M, Gnanapavan S, Turner B, Baker D, Schmierer K, Giovannoni G, Thomson A, (PO124) Validation of an environmentally-friendly and affordable cardboard 9-hole peg test. J Neurol Neurosurg Psychiatry 2017;88:A44-A45.
6. **Dubuisson N**, Paterson A, Turner B, Westcott M, Thomson A, Gavin Giovannoni G, Selfmonitoring visual function via a smartphone application. Journal of the Neurological Sciences, 15 October 2017, Volume 381, Supplement, Page 479
7. **Dubuisson N**, Paterson A, Turner B, Westcott M, Thomson A, Gavin Giovannoni G, Selfmonitoring visual function via a smartphone application. Multiple Sclerosis Journal. 24 October 2017. Volume: 23 issue: 3\_suppl, page(s): 85-426
8. **Dubuisson N**, Marta M, Gnanapavan S, Turner B, Baker D, Giovannoni G, Schmierer K, Identification of main inclusion criteria of chronic progressive multiple sclerosis clinical trials: a review (EP1783), ECTRIMS Online Library, Oct 25, 2017; 199801
9. **Dubuisson N**, Goedee S, Van den Bergh P, Diekstra F, Vrancken A et al. Combined central and peripheral demyelination: a case serie. (PO 1472). Neurology, Apr 2020; 94 (15 Supplement).
10. Goedee, S., **Dubuisson, N.**, van den Bergh, P., Vrancken, A., Diekstra, F., van der Pol, L., & van den Berg, L. (2021, March). Combined central and peripheral demyelination: A comparative electrodiagnostic and sonographic. In *JOURNAL OF THE PERIPHERAL NERVOUS SYSTEM* (Vol. 26, No. 1, pp. 126-127).
11. M. Abou-Samra, A. Marino, C. Selvais, **N. Dubuisson**, L. Noel, C. Beauloye, S. Horman, S. Brichard, Oral treatment with AdipoRon attenuates cardiomyopathy in an aged mouse model for Duchenne muscular dystrophy, ABSTRACT| VOLUME 31, SUPPLEMENT 1, S76-S77, OCTOBER 2021.
12. **Dubuisson N**, M. Abou-Samra, M. Davis, L. Noel, C. Selvais, S. Brichard, EP.88 Inflammasome inhibitors for the treatment of muscular dystrophies, ABSTRACT| VOLUME 31, SUPPLEMENT 1, S76, OCTOBER 2021
13. **Dubuisson N**, Michel Abou-Samra, Romain Versele, Maria Davis-López de Carrizosa, Camille Selvais, Laurence Noel, Peter Van den Bergh, Sonia Brichard, Inflammasome inhibitors for the treatment of muscular dystrophies (S29.006), Neurology May 2022, 98 (18 Supplement) 52
14. **Dubuisson N**, van de Scheur, J, Lemmen, D, Van den Bergh, P, van der Pol, W, van den Berg, L, & Goedee, S. DIAGNOSTIC VALUE OF STANDARDIZED NERVE ULTRASOUND OF THE PLEXUS BRACHIALIS IN CHRONIC INFLAMMATORY NEUROPATHIES. In *JOURNAL OF THE PERIPHERAL NERVOUS SYSTEM*, 2022, July, Vol. 27, pp. S39-S40.

### ORAL PRESENTATIONS IN INTERNATIONAL CONGRESSES

- **Dubuisson N**, Turner B, Giovannoni G, Schmierer K, Severe exacerbation following fingolimod cessation in primary progressive multiple sclerosis. Association of British neurologists Annual meeting in Liverpool,

2017.

- **Dubuisson N**, Lycke J, Axelsson M, Gnanapavan S, Giovannoni G, CSF NCAM levels are modulated by highly-active DMTs, European Academy of Neurology Annual Meeting in Amsterdam, 2017.
- **Dubuisson N**, Laws M, Paterson A, Turner B, Westcott M, Thomson A, Giovannoni G, Self-monitoring visual function in Neurology, American Academy of Neurology Annual meeting in Los Angeles, 2018.
- **Dubuisson N**. Career development session in the neuromuscular domain, European Academy of Neurology Annual Meeting (virtual), 2021
- **Dubuisson N**, Versele R, Davis-López de Carrizosa MA, Selvais CM, Abou-Samra M and Brichard SM,. Inflammasome inhibitors for the treatment of muscular dystrophies. American Academy of Neurology Annual meeting in Seattle, 2022.
- **Dubuisson N**, van de Scheur J, Lemmen D, Van den Bergh P.Y, van der Pol WL, van den Berg LH, Goedee HS, Diagnostic value of standardized nerve ultrasound of the plexus brachialis in chronic inflammatory neuropathies. International Congress on Neuromuscular Diseases (ICNMD) in Brussels 2022
- **Dubuisson N**, How to perform correctly a neuromuscular oriented cranial nerve examination, teaching course at the European Academy of Neurology Annual Meeting (Vienna), 2022.
- **Dubuisson N**, Why is it attractive to work in the rare diseases domain? Career development session at the European Academy of Neurology Annual Meeting (Budapest), 2023.
- **Dubuisson N**, Evoli A, Dilemmas for myasthenia gravis emerging therapies, European Academy of Neurology podcast, April 2023.
- **Dubuisson N**, The Adiponectin Receptor Agonist, ALY688: A Promising Therapeutic for Fibrosis in the Dystrophic Muscle. European Muscle Conference (Florence). September 2023.
- **Dubuisson N**, The Adiponectin Receptor Agonist, ALY688: A Promising Therapeutic for Fibrosis in the Dystrophic Muscle. 5th Joint Meeting of the Belgian-Dutch Neuromuscular Study Club and the Reference Center for Neuromuscular Diseases of the DGNN. April 2024.
- **Dubuisson N**, Teaching course level 1: Classification of the neuromuscular disorders, sorting them to better recognize them. European Academy of Neurology Annual Meeting (Helsinki), 2024.

## Other Relevant Information

- Reviewer for
  - Clinical Neurology and Neurosurgery journal
  - Multiple Sclerosis Journal-ETC
  - Acta Neurologica Belgica
  - Cells
  - Biomolecules
  - Multiple Sclerosis and Related disorders
  - Neuromuscular disorders
- Guest editor for
  - Frontiers in Neurology