

## Curriculum Vitae

Full Name: **Kenny Leo De Meirleir, MD, PhD**  
Date of Birth: **January 19, 1952**  
Country of Citizenship: **Belgium**  
Marital Status: **Married**  
Permanent Residence: **Stuivenbergbaan 89, 2800 Mechelen, Belgium**  
Professional Address: **De Tyraslaan 111, 1120 Brussels, Belgium**

## Education

1963 – 1969 High School Education, Koninklijk Atheneum Mechelen (Belgium)  
1969 – 1970 First year of pre-medical education, Memphis State University (Memphis, Tennessee, U.S.A.)  
1970 – 1977 Medical Education, Vrije Universiteit Brussel, Doctor in Medicine (Belgium) July 1977, Magna cum Laude  
1977 – 1982 Internal medicine Residency, Department of Internal Medicine, university Hospital Vrije Universiteit Brussel, under supervision of Prof. Dr. R. Six. Certification in Internal Medicine, August 1982  
1982 – 1984 Resident in Cardiology, Algemeen Ziekenhuis, Vrije Universiteit Brussel, under supervision of Prof. Dr. P. Block, interrupted by military service  
1985 Ph.D. in Physiology, July 1985

## Skills and Training

- ECFMG Certification
- Internal Medicine
- Physical Education
- Sports Medicine
- Cardiac Rehabilitation
- Biotechnology Techniques

## Professional Experience

2014 - Presently Emeritus Professor with teaching position, Vrije Universiteit Brussel, faculty of psychology  
2006 - Presently Medical director Himmunitas VZW (Brussels, Belgium)- volunteer  
2013 - Presently Medical Director Whittemore Peterson Institute  
1985 – 2005 Director Cardiac Rehabilitation Unit, Academic Ziekenhuis Vrije Universiteit Brussel/ Universitair Ziekenhuis Brussel  
1985 – 2005 Consultant Department of Cardiology, Academic Ziekenhuis Vrije Universiteit Brussel/ Universitair Ziekenhuis Brussel

## Honors and Awards

- Solvay Prize
- NATO Research Award

## Selected Publications

*Decreased Numbers of CD57+CD3- Cells Identify Potential Innate Immune Differences in Patients with Autism Spectrum Disorder.*

- Siniscalco D, Mijatovic T, Bosmans E, Cirillo A, Kruzliak P, Lombardi VC, DE Meirleir K, Antonucci N.
- In Vivo. 2016 03-04;30(2):83-89.

*Genome-wide association analysis identifies genetic variations in subjects with myalgic encephalomyelitis/chronic fatigue syndrome.*

- Schlauch KA, Khaiboullina SF, De Meirleir KL, Rawat S, Petereit J, Rizvanov AA, Blatt N, Mijatovic T, Kulick D, Palotás A, Lombardi VC.
- Transl Psychiatry. 2016 Feb 9;6:e730. doi: 10.1038/tp.2015.208.

*Human dendritic cells transfected with a human papilloma virus-18 construct display decreased mobility and upregulated cytokine production.*

- Khaiboullina SF, Morzunov SP, Hall MR, De Meirleir KL, Rizvanov AA, Lombardi VC.
- Int J Oncol. 2013 Nov;43(5):1701-9. doi: 10.3892/ijo.2013.2074. Epub 2013 Aug 21.

*High-throughput 16S rRNA gene sequencing reveals alterations of intestinal microbiota in myalgic encephalomyelitis/chronic fatigue syndrome patients.*

- Frémont M, Coomans D, Massart S, De Meirleir K.
- Anaerobe. 2013 Aug;22:50-6. doi: 10.1016/j.anaerobe.2013.06.002. Epub 2013 Jun 19.

*Plasmacytoid dendritic cells in the duodenum of individuals diagnosed with myalgic encephalomyelitis are uniquely immunoreactive to antibodies to human endogenous retroviral proteins.*

- De Meirleir KL, Khaiboullina SF, Frémont M, Hulstaert J, Rizvanov AA, Palotás A, Lombardi VC.
- In Vivo. 2013 Mar-Apr;27(2):177-87.

*Role of psychological aspects in both chronic pain and in daily functioning in chronic fatigue syndrome: a prospective longitudinal study.*

- Meeus M, Nijs J, Van Mol E, Truijien S, De Meirleir K.
- Clin Rheumatol. 2012 Jun;31(6):921-9. doi: 10.1007/s10067-012-1946-z. Epub 2012 Feb 16.

*Myalgic encephalomyelitis: International Consensus Criteria.*

- Carruthers BM, van de Sande MI, De Meirleir KL, Klimas NG, Broderick G, Mitchell T, Staines D, Powles AC, Speight N, Vallings R, Bateman L, Baumgarten-Austrheim B, Bell DS, Carlo-Stella N, Chia J, Darragh A, Jo D, Lewis D, Light AR, Marshall-Gradisbik S, Mena I, Mikovits JA, Miwa K, Murovska M, Pall ML, Stevens S.
- J Intern Med. 2011 Oct;270(4):327-38. doi: 10.1111/j.1365-2796.2011.02428.x. Epub 2011 Aug 22. Review.

*The latent human herpesvirus-6A genome specifically integrates in telomeres of human chromosomes in vivo and in vitro.*

- Arbuckle JH, Medveczky MM, Luka J, Hadley SH, Luegmayr A, Ablashi D, Lund TC, Tolar J, De Meirleir K, Montoya JG, Komaroff AL, Ambros PF, Medveczky PG.
- Proc Natl Acad Sci U S A. 2010 Mar 23;107(12):5563-8. doi: 10.1073/pnas.0913586107. Epub 2010 Mar 8.

*Increased d-lactic Acid intestinal bacteria in patients with chronic fatigue syndrome.*

- Sheedy JR, Wettenhall RE, Scanlon D, Gooley PR, Lewis DP, McGregor N, Stapleton DI, Butt HL, DE Meirleir KL.
- In Vivo. 2009 Jul-Aug;23(4):621-8.

*Severe versus Moderate criteria for the new pediatric case definition for ME/CFS.*

- Jason L, Porter N, Shelleby E, Till L, Bell DS, Lapp CW, Rowe K, De Meirleir K.

*Child Psychiatry Hum Dev.*

- 2009 Dec;40(4):609-20. doi: 10.1007/s10578-009-0147-8. Epub 2009 Jun 10.

*A comparison of patients with chronic fatigue syndrome in two “ideologically” contrasting clinics.*

- Van Houdenhove B, Van Hoof E, Becq K, Kempke S, Luyten P, De Meirleir K.
- J Nerv Ment Dis. 2009 May;197(5):348-53. doi: 10.1097/NMD.0b013e3181a2081f.

*Detection of herpesviruses and parvovirus B19 in gastric and intestinal mucosa of chronic fatigue syndrome patients.*

- Frémont M, Metzger K, Rady H, Hulstaert J, De Meirleir K.
- In Vivo. 2009 Mar-Apr;23(2):209-13.

*Exercise performance and chronic pain in chronic fatigue syndrome: the role of pain catastrophizing.*

- Nijs J, Van de Putte K, Louckx F, Truijien S, De Meirleir K.
- Pain Med. 2008 Nov;9(8):1164-72. Epub 2007 Oct 3.

*Lower frequency of IL-17F sequence variant (His161Arg) in chronic fatigue syndrome patients.*

- Metzger K, Frémont M, Roelant C, De Meirleir K.
- Biochem Biophys Res Commun. 2008 Nov 7;376(1):231-3. doi: 10.1016/j.bbrc.2008.08.135. Epub 2008 Sep 5.

*Unravelling intracellular immune dysfunctions in chronic fatigue syndrome: interactions between protein kinase R activity, RNase L cleavage and elastase activity, and their clinical relevance.*

- Meeus M, Nijs J, McGregor N, Meeusen R, De Schutter G, Truijien S, Frémont M, Van Hoof E, De Meirleir K.
- In Vivo. 2008 Jan-Feb;22(1):115-21.

*Comparison of two exercise testing protocols in patients with chronic fatigue syndrome.*

- Nijs J, Zwinnen K, Meeusen R, de Geus B, De Meirleir K.
- J Rehabil Res Dev. 2007;44(4):553-9.

*Chronic musculoskeletal pain in chronic fatigue syndrome: recent developments and therapeutic implications.*

- Nijs J, Meeus M, De Meirleir K.
- Man Ther. 2006 Aug;11(3):187-91. Epub 2006 Jun 14. Review.

*Generalized joint hypermobility is more common in chronic fatigue syndrome than in healthy control subjects.*

- Nijs J, Aerts A, De Meirleir K.
- J Manipulative Physiol Ther. 2006 Jan;29(1):32-9.

*Employment status in chronic fatigue syndrome. A cross-sectional study examining the value of exercise testing and self-reported measures for the assessment of employment status.*

- Nijs J, Van de Putte K, Louckx F, De Meirleir K.
- Clin Rehabil. 2005 Dec;19(8):895-9.

*Impairments of the 2-5A synthetase/RNase L pathway in chronic fatigue syndrome.*

- Nijs J, De Meirleir K.
- In Vivo. 2005 Nov-Dec;19(6):1013-21. Review.

*Chronic fatigue syndrome: exercise performance related to immune dysfunction.*

- Nijs J, Meeus M, McGregor NR, Meeusen R, de Schutter G, van Hoof E, de Meirleir K.
- Med Sci Sports Exerc. 2005 Oct;37(10):1647-54

*Nitric oxide and chronic fatigue syndrome: Are we caring for our patients or are we practicing selfcare?*

- Nijs J, De Meirleir K.
- Med Hypotheses. 2006;66(2):449-50. Epub 2005 Oct 10. No abstract available.

*37-Kilodalton/83-kilodalton RNase L isoform ratio in peripheral blood mononuclear cells: analytical performance and relevance for chronic fatigue syndrome.*

- Frémont M, Vaeyens F, Herst CV, De Meirleir K, Englebienne P.
- Clin Diagn Lab Immunol. 2005 Oct;12(10):1259-60; author reply 1260. No abstract available.

*The Chronic Fatigue Syndrome Activities and Participation Questionnaire (CFS-APQ): an overview.*

- Nijs J, Vaes P, De Meirleir K.
- Occup Ther Int. 2005;12(2):107-21.

*2',5'-Oligoadenylate size is critical to protect RNase L against proteolytic cleavage in chronic fatigue syndrome.*

- Frémont M, El Bakkouri K, Vaeyens F, Herst CV, De Meirleir K, Englebienne P.
- Exp Mol Pathol. 2005 Jun;78(3):239-46. Epub 2005 Mar 2.

*Oxidative stress might reduce essential fatty acids in erythrocyte membranes of chronic fatigue syndrome patients.*

- Nijs J, De Meirleir K.
- Nutr Neurosci. 2004 Aug;7(4):251-3. No abstract available.

*Pain in patients with chronic fatigue syndrome: does nitric oxide trigger central sensitisation?*

- Nijs J, Van de Velde B, De Meirleir K.
- Med Hypotheses. 2005;64(3):558-62.

*Prediction of peak oxygen uptake in patients fulfilling the 1994 CDC criteria for chronic fatigue syndrome.*

- Nijs J, De Meirleir K.
- Clin Rehabil. 2004 Nov;18(7):785-92.

*Kinesiophobia in chronic fatigue syndrome: assessment and associations with disability.*

- Nijs J, De Meirleir K, Duquet W.
- Arch Phys Med Rehabil. 2004 Oct;85(10):1586-92.

*Chronic fatigue syndrome: lack of association between pain-related fear of movement and exercise capacity and disability.*

- Nijs J, Vanherberghen K, Duquet W, De Meirleir K.
- Phys Ther. 2004 Aug;84(8):696-705.

*Chronic fatigue syndrome: intracellular immune deregulations as a possible etiology for abnormal exercise response.*

- Nijs J, De Meirleir K, Meeus M, McGregor NR, Englebienne P.
- Med Hypotheses. 2004;62(5):759-65.

*Disability evaluation in chronic fatigue syndrome: associations between exercise capacity and activity limitations/participation restrictions.*

- Nijs J, De Meirleir K, Wolfs S, Duquet W.
- Clin Rehabil. 2004 Mar;18(2):139-48.

*Atypical depression as a secondary symptom in chronic fatigue syndrome.*

- Van Hoof E, Cluydts R, De Meirleir K.
- Med Hypotheses. 2003 Jul;61(1):52-5.

*Psychometric properties of the Dutch Chronic Fatigue Syndrome–Activities and Participation Questionnaire (CFS-APQ).*

- Nijs J, Vaes P, McGregor N, Van Hoof E, De Meirleir K.
- Phys Ther. 2003 May;83(5):444-54.

*Associations between bronchial hyperresponsiveness and immune cell parameters in patients with chronic fatigue syndrome.*

- Nijs J, De Becker P, De Meirleir K, Demanet C, Vincken W, Schuermans D, McGregor N.
- Chest. 2003 Apr;123(4):998-1007.

*Type I interferons induce proteins susceptible to act as thyroid receptor (TR) corepressors and to signal the TR for destruction by the proteasome: possible etiology for unexplained chronic fatigue.*

- Englebienne P, Verhas M, Herst CV, De Meirleir K.
- Med Hypotheses. 2003 Feb;60(2):175-8

*Chronic fatigue syndrome: a risk factor for osteopenia?*

- Nijs J, De Meirleir K, Englebienne P, McGregor N.
- Med Hypotheses. 2003 Jan;60(1):65-8.

*High prevalence of Mycoplasma infections among European chronic fatigue syndrome patients. Examination of four Mycoplasma species in blood of chronic fatigue syndrome patients.*

- Nijs J, Nicolson GL, De Becker P, Coomans D, De Meirleir K.
- FEMS Immunol Med Microbiol. 2002 Nov 15;34(3):209-14.

*Ribonuclease L proteolysis in peripheral blood mononuclear cells of chronic fatigue syndrome patients.*

- Demettré E, Bastide L, D'Haese A, De Smet K, De Meirleir K, Tiev KP, Englebienne P, Lebleu B.
- J Biol Chem. 2002 Sep 20;277(38):35746-51. Epub 2002 Jul 12.

*Structural and functional features of the 37-kDa 2-5A-dependent RNase L in chronic fatigue syndrome.*

- Shetzline SE, Martinand-Mari C, Reichenbach NL, Buletic Z, Lebleu B, Pfleiderer W, Charubala R, De Meirleir K, De Becker P, Peterson DL, Herst CV, Englebienne P, Suhadolnik RJ.
- J Interferon Cytokine Res. 2002 Apr;22(4):443-56.

*Antiviral pathway activation in chronic fatigue syndrome and acute infection.*

- De Meirleir K, Suhadolnik RJ, Lebleu B, Englebienne P.
- Clin Infect Dis. 2002 May 15;34(10):1420-1; author reply 1421-2. No abstract available.

*Brain microdialysis in exercise research.*

- Meeusen R, Piacentini MF, De Meirleir K.
- Sports Med. 2001;31(14):965-83. Review.

*A definition-based analysis of symptoms in a large cohort of patients with chronic fatigue syndrome.*

- De Becker P, McGregor N, De Meirleir K.
- J Intern Med. 2001 Sep;250(3):234-40.

*How significant are primary sleep disorders and sleepiness in the chronic fatigue syndrome?*

- Le Bon O, Fischler B, Hoffmann G, Murphy JR, De Meirleir K, Cluydts R, Pelc I.
- Sleep Res Online. 2000;3(2):43-8.

*Exercise capacity in chronic fatigue syndrome.*

- De Becker P, Roeykens J, Reynders M, McGregor N, De Meirleir K.
- Arch Intern Med. 2000 Nov 27;160(21):3270-7. Erratum in: Arch Intern Med 2001 Sep 10;161(16):2051-2.

*A 37 kDa 2-5A binding protein as a potential biochemical marker for chronic fatigue syndrome.*

- De Meirleir K, Bisbal C, Campine I, De Becker P, Salehzada T, Demettré E, Lebleu B.
- Am J Med. 2000 Feb;108(2):99-105.

*Dehydroepiandrosterone (DHEA) response to i.v. ACTH in patients with chronic fatigue syndrome.*

- De Becker P, De Meirleir K, Joos E, Campine I, Van Steenberge E, Smits J, Velkeniers B.
- Horm Metab Res. 1999 Jan;31(1):18-21.

*The influence of cold and compression on lymph flow at the ankle.*

- Meeusen R, van der Veen P, Joos E, Roeykens J, Bossuyt A, De Meirleir K.
- Clin J Sport Med. 1998 Oct;8(4):266-71.

*Autonomic testing in patients with chronic fatigue syndrome.*

- De Becker P, Dendale P, De Meirleir K, Campine I, Vandenborne K, Hagers Y.
- Am J Med. 1998 Sep 28;105(3A):22S-26S.

*Biochemical evidence for a novel low molecular weight 2-5A-dependent RNase L in chronic fatigue syndrome.*

- Suhadolnik RJ, Peterson DL, O'Brien K, Cheney PR, Herst CV, Reichenbach NL, Kon N, Horvath SE, Iacono KT, Adelson ME, De Meirleir K, De Becker P, Charubala R, Pfeleiderer W.
- J Interferon Cytokine Res. 1997 Jul;17(7):377-85.

*Generalized anxiety disorder in chronic fatigue syndrome.*

- Fischler B, Cluydts R, De Gucht Y, Kaufman L, De Meirleir K.
- Acta Psychiatr Scand. 1997 May;95(5):405-13.

*Physical fatigability and exercise capacity in chronic fatigue syndrome: association with disability, somatization and psychopathology.*

- Fischler B, Dendale P, Michiels V, Cluydts R, Kaufman L, De Meirleir K.
- J Psychosom Res. 1997 Apr;42(4):369-78.

*Sleep anomalies in the chronic fatigue syndrome. A comorbidity study.*

- Fischler B, Le Bon O, Hoffmann G, Cluydts R, Kaufman L, De Meirleir K.
- Neuropsychobiology. 1997;35(3):115-22.

*Cognitive functioning in patients with chronic fatigue syndrome.*

- Michiels V, Cluydts R, Fischler B, Hoffmann G, Le Bon O, De Meirleir K.
- J Clin Exp Neuropsychol. 1996 Oct;18(5):666-77.

*Comparison of 99m Tc HMPAO SPECT scan between chronic fatigue syndrome, major depression and healthy controls: an exploratory study of clinical correlates of regional cerebral blood flow.*

- Fischler B, D'Haenen H, Cluydts R, Michiels V, Demets K, Bossuyt A, Kaufman L, De Meirleir K.
- Neuropsychobiology. 1996;34(4):175-83.