

Emmanuel Mignot, M.D., Ph.D.

1. Web of Science: Number of publications >618 international scientific peer reviewed articles, 83 chapters in textbooks. Citation: 23,307. H-index: 83. Patents: 2.

2. Personal data: Professor, Psychiatry and Behavioral Sciences – Stanford Center for Sleep Sciences and Medicine

3. Education:

- Fellowship: Stanford University School of Medicine Registrar (1996) CA
- Board Certification: Sleep Medicine, American Board of Sleep Medicine (1990)
- Residency: Necker Enfants Malades Hospital (1989) France
- Medical Education: University Of Paris (1985) France
- Internship: Necker Enfants Malades Hospital (1984) France

4. Current and most recent scientific position: Sleep Researcher and Director of Center for Sleep Sciences and Medicine, at Stanford University

5. Academic awards and honors:

- Elected member, National Academy of Sciences (2012)
- Elected member, Association of American Physicians (2011)
- Elected member, Institute of Medicine (2006)
- Outstanding Scientific Achievement Award, Sleep Research Society (2006)
- Foster Elting Bennett Memorial Lecture Award, American Neurological Association (2004)
- W. Alden Spencer Award, College of Physicians and Surgeons of Columbia University (2004)
- Investigator Award, Howard Hughes Medical Institute (2002-2010)
- Neuroscience of Brain Disorders Award, McKnight Foundation (2002)
- William C Dement Academic Achievement Award, American Academy of Sleep Medicine (2000)
- Javits Award, National Institute of Neurological Disease and Stroke (NINDS) (1999)

6. Scientific focus areas: Narcolepsy Cataplexy Syndrome, Kleine-Levin Syndrome, Sleep Medicine

7. International research collaborations:

- Worldwide Genetic Association Study of Narcolepsy, Kleine-Levin Syndrome involving 20+ countries, including universities: National Chiao Tung University and Technical University of Denmark

8. Supervision and teaching:

- 12 Independent Studies
- 6 Graduate and Fellowship Programs
- Supervision of 20+ faculty members within Sleep Medicine Center

9. Management experience:

- Director, Center For Sleep Sciences and Medicine (2010 - 2020)
- Director, Center For Narcolepsy (1989 - 2020)
- Professor, Psychiatry and Behavioral Sciences - Stanford Center for Sleep Sciences and Medicine
- Member, Bio-X
- Member, Child Health Research Institute
- Director, Psychiatry & Behavioral Science - Stanford Center for Sleep Sciences and Medicine

References

<https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/40738740/>

1. Matsuki K, Grumet FC, Lin X, Gelb M, Guilleminault C, Dement WC, Mignot E. DQ rather than DR gene marks susceptibility to narcolepsy. *Lancet*, 1992, 339: 1052
2. Mignot E, Lin L, Rogers W, Honda Y, Qiu X, Lin X, Okun M, Hohjoh H, Miki T, Hsu SH, Leffell MS, Grumet CF, Fernandez-Vina M, Honda M, Risch N. Complex HLA-DR and DQ interactions confer risk for narcolepsy-cataplexy in three ethnic groups. *Am. J. Hum. Genet.*, 2001, 68: 686-69
3. Ollila HM, Ravel JM, Han F, Faraco J, Lin L, Zheng X, Plazzi G, Dauvilliers Y, Pizza F, Hong SC, Jennum P, Knudsen S, Kornum BR, Dong XS, Yan H, Hong H, Coquillard C, Mahlios J, Jolanki O, Einen M, Lavault S, Högl B, Frauscher B, Crowe C, Partinen M, Huang YS, Bourgin P, Vaarala O, Désautels A, Montplaisir J, Mack SJ, Mindrinos M, Fernandez-Vina M, Mignot E. HLA-DPB1 and HLA class I confer risk of and protection from narcolepsy. *Am J Hum Genet*. 2015 Jan 8;96(1):136-46.
4. Nishino S, Ripley B, Overeem S, Lammers GJ, Mignot E. Hypocretin (orexin) transmission is defective in human narcolepsy. *Lancet*, 2000, 355: 39-40.
5. Peyron C, Faraco J, Rogers W, Ripley B, Overeem S, Charnay Y, Nevsimalova S, Aldrich M, Reynolds D, Albin R, Li R, Hungs M, Pedrazzoli M, Padigaru M, Kucherlapati M, Fan J, Liu C, Maki R, Lammers GJ, Bouras C, Kucherlapati R, Nishino S, Mignot E. A mutation in early onset narcolepsy and a generalized absence of hypocretin peptides in human narcoleptic brains. *Nat. Med.*, 2000, 6(9): 991-997.
6. Mignot E, Lammers GJ, Ripley B, Okun M, Nevsimalova S, Overeem S, Vankova J, Black J, Harsh J, Bassetti C, Schrader H, Nishino S. The role of cerebrospinal fluid hypocretin measurement in the diagnosis of narcolepsy and other hypersomnias. *Arch. Neurol.*, 2002, 59(10): 1553-1562.
7. Hallmayer J, Faraco J, Lin L, Hesselson S, Winklemann J, Kawashima M, Mayer G, Plazzi G, Nevsimalova S, Bourgin P, Hong S, Honda Y, Honda M, Högl B, Longstreh Jr WT, Montplaisir J, Kemlink D, Einen M, Chen J, Musone SL, Akana M, Miyagawa T, Duan J, Desautels A, Erhardt C, Hesla PE, Poll F, Frauscher B, Jeong JH, Sung-Pil Lee SP, Ton TGN, Kvale M, Kolesar LB, Dobrovolna M, Nepom GT, Salomon D, Wichmann HE, Rouleau GA, Gieger C, Levinson DF, Gejman PV, Meitinger T, Young T, Peppard P, Tokunaga K, Kwok PY, Risch N, Mignot E. Narcolepsy is strongly associated with the TCR alpha locus. *Nature Genet*, 2009, 41(6):708-11
8. Kornum BR, Kawashima M, Faraco J, Lin L, Rico TJ, Hesselson S, Axtell RC, Kuipers H, Weiner K, Hamacher A, Kassack MU, Han F, Knudsen S, Li J, Dong X, Winkelmann J, Plazzi G, Nevsimalova S, Hong SC, Honda Y, Honda M, Högl B, Ton TG, Montplaisir J, Bourgin P, Kemlink D, Huang YS, Warby S, Einen M, Eshragh JL, Miyagawa T, Desautels A, Ruppert E, Hesla PE, Poli F, Pizza F, Frauscher B, Jeong JH, Lee SP, Strohl KP, Longstreh WT Jr, Kvale M, Dobrovolna M, Ohayon MM, Nepom GT, Wichmann HE, Rouleau GA, Gieger C, Levinson DF, Gejman PV, Meitinger T, Peppard P, Young T, Jennum P, Steinman L, Tokunaga K, Kwok PY, Risch N, Hallmayer J, Mignot E. Common variants in P2RY11 are associated with narcolepsy. *Nat Genet*. 2011 Jan;43(1):66-71. doi: 10.1038/ng.734. Epub 2010 Dec 19. Erratum in: Nat Genet. 2011 Oct;43(10):1040.
9. Faraco J, Lin L, Kornum BR, Kenny EE, Trynka G, Einen M, Rico TJ, Lichtner P, Dauvilliers Y, Arnulf I, Lecendreux M, Javidi S, Geisler P, Mayer G, Pizza F, Poli F, Plazzi G, Overeem S, Lammers GJ, Kemlink D, Sonka K, Nevsimalova S, Rouleau G, Desautels A, Montplaisir J, Frauscher B, Ehrmann L, Högl B, Jennum P, Bourgin P, Peraita-Adrados R, Iranzo A, Bassetti C, Chen WM, Concannon P, Thompson SD, Damotte V, Fontaine B, Breban M, Gieger C, Klopp N, Deloukas P, Wijmenga C, Hallmayer J, Onengut-Gumuscu S, Rich

SS, Winkelmann J, Mignot E ImmunoChip study implicates antigen presentation to T cells in narcolepsy.
PLoS Genet. 2013;9(2):e1003270.

10. Han F, Faraco J, Dong XS, Ollila HM, Lin L, Li J, An P, Wang S, Jiang KW, Gao ZC, Zhao L, Yan H, Liu YN, Li QH, Zhang XZ, Hu Y, Wang JY, Lu YH, Lu CJ, Zhou W, Hallmayer J, Huang YS, Strohl KP, Pollmächer T, Mignot E Genome wide analysis of narcolepsy in China implicates novel immune loci and reveals changes in association prior to versus after the 2009 H1N1 influenza pandemic. PLoS Genet. 2013 Oct;9(10):e1003880.