

Sleep Medicine Publications:

Genetic Basis of Delayed and Advanced Sleep Phase Syndromes

Advanced Sleep Phase

[Brennan KC, Bates EA, Shapiro RE, Zyuzin J, Hallows WC, Huang Y, Lee HY, Jones CR, Fu YH, Charles AC, Ptáček LJ. **Casein kinase iδ mutations in familial migraine and advanced sleep phase.** Sci Transl Med. 2013 May 1;5\(183\):183ra56, 1-11. doi: 10.1126/scitranslmed.3005784. PubMed PMID: 23636092; PubMed Central PMCID: PMC4220792.](#)

[Jones CR, Campbell SS, Zone SE, Cooper F, DeSano A, Murphy PJ, Jones B, Czajkowski L, Ptáček LJ. **Familial advanced sleep-phase syndrome: A short-period circadian rhythm variant in humans.** Nat Med. 1999 Sep;5\(9\):1062-5. PubMed PMID: 10470086.](#)

[Zhang L, Hirano A, Hsu PK, Jones CR, Sakai N, Okuro M, McMahon T, Yamazaki M, Xu Y, Saigoh N, Saigoh K, Lin ST, Kaasik K, Nishino S, Ptáček LJ, Fu YH. **A PERIOD3 variant causes a circadian phenotype and is associated with a seasonal mood trait.** Proc Natl Acad Sci U S A. 2016 Mar 15;113\(11\):E1536-44. doi: 10.1073/pnas.1600039113. Epub 2016 Feb 22. PubMed PMID: 26903630; PubMed Central PMCID: PMC4801303.](#)

Delayed Sleep Phase

[Jensen JL, Jones CR, Kartsonaki C, Packer KA, Adler FR, Liou TG. **Sleep Phase Delay in Cystic Fibrosis: A Potential New Manifestation of Cystic Fibrosis Transmembrane Regulator Dysfunction.** Chest. 2017 Aug;152\(2\):386-393. doi: 10.1016/j.chest.2017.03.057. Epub 2017 Apr 23. PubMed PMID: 28442311; PubMed Central PMCID: PMC5577355.](#)

Natural Short Sleeper

[He Y, Jones CR, Fujiki N, Xu Y, Guo B, Holder JL Jr, Rossner MJ, Nishino S, Fu YH. **The transcriptional repressor DEC2 regulates sleep length in mammals.** Science. 2009 Aug 14;325\(5942\):866-70. doi: 10.1126/science.1174443. PubMed PMID: 19679812; PubMed Central PMCID: PMC2884988.](#)