

5- BIBLIOGRAFÍA

BIBLIOGRAFÍA

Abe M, Herzog ED, Yamazaki S, Straume M, Tei H, Sakaki Y, Menaker M, Block GD (2002) Circadian rhythms in isolated brain regions. *J Neurosci* 22(1):350-6.

Albus H, Vansteensel MJ, Michel S, Block GD, Meijer JH (2005) A GABAergic mechanism is necessary for coupling dissociable ventral and dorsal regional oscillators within the circadian clock. *Curr Biol* 15(10):886-93.

Anhokin P (1974) *Biology and neurophysiology of the conditioned reflex and its role in adaptative behavior*. Oxford: Pergamon Press, pp 1-24.

Antle MC, Silver R (2005) Orchestrating time: arrangements of the brain circadian clock. *Trends Neurosci* 28(3):145-51.

Aschoff J (1963) Comparative physiology: diurnal rhythms. *Ann Rev Physiol* 25:581-600.

Aschoff J (1969) Exogenous and endogenous components in circadian rhythms. *Cold Spring Harbor Symposia on Quantitative Biology* 25:11-28.

Aschoff J (1981) Freerunning and entrained circadian rhythms. En: *Handbook of behavioural neurobiology: Biological rhythms*, J Aschoff, ed, pp 81-93, Plenum Press, New York.

Aschoff J (1999) Masking and parametric effects of high-frequency light-dark cycles. *Jpn J Physiol* 49(1):11-8.

Aschoff J, Wever R (1976) Human circadian rhythms: A multioscillatory system. *Federation Proceedings* 35:2326-2332.

Aton SJ, Block GD, Tei H, Yamazaki S, Herzog ED (2004) Plasticity of circadian behavior and the suprachiasmatic nucleus following exposure to non-24-hour light cycles. *J Biol Rhythms* 19(3):198-207.

Aton SJ, Colwell CS, Harmar AJ, Waschek J, Herzog ED (2005) Vasoactive intestinal polypeptide mediates circadian rhythmicity and synchrony in mammalian clock neurons. *Nat Neurosci* 8(4):476-83.

Baker FC, Angara C, Szymusiak R, McGinty D (2005) Persistence of sleep-temperature coupling after suprachiasmatic nuclei lesions in rats. *Am J Physiol Regul Integr Comp Physiol* 289(3):R827-38.

Beersma DG (2005) Why and how do we model circadian rhythms? *J Biol Rhythms* 20(4):304-13.

Berson DM, Dunn FA, Takao M (2002) Phototransduction by Retinal Ganglion Cells That Set the Circadian Clock. *Science* 295(5557):1070-1073.

Binkley S (1990) *The clockwork sparrow*. Editorial Prentice-Hall.

Block G, Geusz M, Sat Bir K, Stephan M (1995) A clockwork Bulla: cellular study of a model circadian system. *Seminars in The Neurosciences* 7:37-42.

Boulos Z, Macchi MM, Terman M (2002) Twilights widen the range of photic entrainment in hamsters. *J Biol Rhythms*. 2002 Aug;17(4):353-63.

Boulos Z, Terman M (1980) Food availability and daily biological rhythms. *Neurosci Biobehav Rev* 4(2):119-31.

Cambras T, Vilaplana J, Campuzano A, Canal-Corretger MM, Carulla M, Díez-Noguera A (2000) Entrainment of the rat motor activity rhythm: effects of the light-dark cycle and physical exercise. *Physiol Behav* 70(3-4):227-32.

Campuzano A, Vilaplana J, Cambras T, Díez-Noguera A (1998) Dissociation of the rat motor activity rhythm under T cycles shorter than 24 hours. *Physiol Behav* 63(2):171-6.

Carmichael MS, Nelson RJ, Zucker I (1981) Hamster activity and estrous cycles: control by a single versus multiple circadian oscillator(s). *Proc Natl Acad Sci U S A* 78(12):7830-4.

Cheng MY, Bullock CM, Li C, Lee AG, Bermak JC, Belluzzi J, Weaver DR, Leslie FM, Zhou QY (2002) Prokineticin 2 transmits the behavioural circadian rhythm of the suprachiasmatic nucleus. *Nature* 417(6887):405-10.

Cortázar J (1960) *Los premios*. Editorial Sudamericana, Buenos Aires.

Davis FC, Viswanathan N (1998) Stability of circadian timing with age in Syrian hamsters. *Am J Physiol Regul Integr Comp Physiol* 275(4 Pt 2):R960-8.

de la Iglesia HO, Meyer J, Carpino A Jr, Schwartz WJ (2000) Antiphase oscillation of the left and right suprachiasmatic nuclei. *Science* 290(5492):799-801.

Depres-Brummer P, Levi F, Metzger G, Touitou Y (1995) Light-induced suppression of the rat circadian system. *Am J Physiol Regul Integr Comp Physiol* 268:R1111-6.

Díez-Noguera A (1994) A functional model of the circadian system based on the degree of intercommunication in a complex system. *Am J Physiol Regul Integr Comp Physiol* 267:R1118-R1135.

Díez-Noguera A, Cambras T, Acosta O (2003) Properties of circadian system: are they just common properties of multioscillatory systems? VII Latin-American Symposium on Chronobiology, Tlaxcala, México.

Eastman C, Rechtschaffen A (1983) Circadian temperature and wake rhythms of rats exposed to prolonged continuous illumination. *Physiol Behav* 31(4):417-27.

Eckert R, Randall D, Augustine G (1990) *Fisiología Animal. Mecanismos y adaptaciones*. Editorial Interamericana-Mc. Graw-Hill.

Edgar DM, Martin CE, Dement WC (1991) Activity feedback to the mammalian circadian pacemaker: influence on observed measures of rhythm period length. *J Biol Rhythms* 6(3):185-99.

Ehret CF, Groh KR, Meinert JC (1978) Circadian dyschronism and chronotypic ecophilia as factors in aging and longevity. En: *Aging and Biological Rhythms*, HV Samis y Campobianco, eds., pp. 185-213, Plenum, New York.

Foster, RG (2005) Neurobiology: bright blue times. *Nature* 433(7027):698-9.

Francis AJ, Coleman GJ (1988) The effect of ambient temperature cycles upon circadian running and drinking activity in male and female laboratory rats. *Physiol Behav* 43(4):471-7.

Gillette MU, Reppert SM (1987) The hypothalamic suprachiasmatic nuclei: circadian patterns of vasopressin secretion and neuronal activity in vitro. *Brain Res Bull* 19(1):135-9.

Goldman BD (1983) Physiology of melatonin in mammals. *Pineal Research Review* 1:145-182.

Gorman MR, Elliott JA (2004) Dim nocturnal illumination alters coupling of circadian pacemakers in Siberian hamsters, *Phodopus sungorus*. *J Comp Physiol A Neuroethol Sens Neural Behav Physiol* 190(8):631-9.

Gorman MR, Elliott JA, Evans JA (2003) Plasticity of hamster circadian entrainment patterns depends on light intensity. *Chronobiol Int* 20(2):233-48.

Gorman MR, Kendall M, Elliott JA (2005) Scotopic illumination enhances entrainment of circadian rhythms to lengthening light:dark cycles. *J Biol Rhythms* 20(1):38-48.

Halberg F (1959) Physiologic 24-hour periodicity: General and procedure considerations with reference to the adrenal cycle. *Zeitschrift für vitamin, Hormon und Fermentforschung* 10:225-296.

Halberg F (1960) Temporal coordination of physiologic function. Cold Spring Harbor Symposia on Quantitative Biology 25:289-310.

Hardin P, Siiwicky K (1995) The multiple roles of *per* in the *Drosophila* circadian clock. Seminars in The Neurosciences 7:15-25.

Hattar S, Lucas RJ, Mrosovsky N, Thompson S, Douglas RH, Hankins MW, Lem J, Biel M, Hofmann F, Foster RG, Yau KW (2003) Melanopsin and rod-cone photoreceptive systems account for all major accessory visual functions in mice. Nature 424(6944):76-81.

Helfrich-Förster C, Diez-Noguera A (1993) Use of a multioscillatory system to simulate experimental results obtained for the period-mutants of *Drosophila melanogaster*. Proceedings of the 9th meeting ESC. J Interdiscipl Cycle Res, 24(4):225-231.

Herzog ED, Takahashi JS, Block GD (1998) Clock controls circadian period in isolated suprachiasmatic nucleus neurons. Nat Neurosci 1(8):708-13.

Hiroshige T, Honma K, Honma S (1991) SCN-independent circadian oscillators in the rat. Brain Research Bulletin 27:441-445.

Honma S, Honma K (1999) Light-induced uncoupling of multioscillatory circadian system in a diurnal rodent, Asian chipmunk. Am J Physiol 276(5 Pt 2):R1390-6.

Honma S, Nakamura W, Shirakawa T, Honma K (2004) Diversity in the circadian periods of single neurons of the rat suprachiasmatic nucleus depends on nuclear structure and intrinsic period. Neurosci Lett 358(3):173-6.

Honma S, Shirakawa T, Nakamura W, Honma K (2000) Synaptic communication of cellular oscillations in the rat suprachiasmatic neurons. Neurosci Lett 294(2):113-6.

Honrado GI, Mrosovsky N (1991) Interactions between periodic socio-sexual cues and light-dark cycles in controlling the phasing of activity rhythms in golden hamsters. Ethol Ecol Evol 3:221-232.

Jagota A, de la Iglesia HO, Schwartz WJ (2000) Morning and evening circadian oscillations in the suprachiasmatic nucleus in vitro, *Nat. Neurosci.* 3 (2000), pp. 372–376.

Johnson CH, Elliot JA, Foster R (2003) Entrainment of circadian programs. *Chron Int* 20(5):741-74.

Johnson R, Morin LP, Moore RY (1988) Retinohypothalamic projections in the hamster and rat demonstrated using cholera toxin. *Brain Research* 462:301-312.

Kramer A, Yang FC, Snodgrass P, Li X, Scammell TE, Davis FC, Weitz CJ (2001) Regulation of daily locomotor activity and sleep by hypothalamic EGF receptor signaling. *Science* 294(5551):2511-5.

Kuhlman SJ, Silver R, Le Sauter J, Bult-Ito A, McMahon DG (2003) Phase resetting light pulses induce *Per1* and persistent spike activity in a subpopulation of biological clock neurons. *J Neurosci* 23(4):1441-50.

Labyak SE, Turek FW, Wallen EP, Zee PC (1998) Effects of bright light on age-related changes in the locomotor activity of Syrian hamsters. *Am J Physiol Regul Integr Comp Physiol* 274:R830-9.

Liu C, Weaver DR, Strogatz SH, Reppert SM (1997) Cellular construction of a circadian clock: period determination in the suprachiasmatic nuclei. *Cell* 91:855-860.

Liu C, Reppert SM (2000) GABA synchronizes clock cells within the suprachiasmatic circadian clock. *Neuron*. 2000 Jan;25(1):123-8.

Long MA, Jutras MJ, Connors BW, Burwell RD (2005) Electrical synapses coordinate activity in the suprachiasmatic nucleus. *Nat Neurosci* 8(1):61-6.

Low-Zeddes SS, Takahashi JS (2001) Chimera analysis of the *Clock* mutation in mice shows that complex cellular integration determines circadian behavior. *Cell* 105:25-42.

Madrid JA, Sanchez-Vazquez FJ, Lax P, Matas P, Cuenca EM, Zamora S (1998) Feeding behavior and entrainment limits in the circadian system of the rat. *Am J Physiol Regul Integr Comp Physiol* 275(2 Pt 2):R372-83.

Meijer JH, Groos GA, Rusak B (1986) Luminance coding in a circadian pacemaker: the suprachiasmatic nucleus of the rat and the hamster. *Brain Res* 382(1):109-18.

Menaker M (2003). Circadian rhythms: Circadian photoreception. *Science* 299(5604):213-4.

Mistlberger RE, Holmes MM (2000) Behavioral feedback regulation of circadian rhythm phase angle in light-dark entrained mice. *Am J Physiol Regul Integr Comp Physiol.* 79(3):R813-21.

Moore RY, Eichler VB (1972) Loss of a circadian adrenal corticosterone rhythm following suprachiasmatic lesions in the rat. *Brain Res* 42(1):201-6.

Moore RY, Lenn NJ (1972) A retinohypothalamic projection in the rat. *J Comp Neurol* 146(1):1-14.

Moore RY (1983) The suprachiasmatic nucleus and the organization of CNS circadian rhythm. *Trends Neurosci* 5:404-407.

Morgan E (1991) An appraisal of tidal activity rhythms. *Chronobiol Int*, 8:283-306.

Morin LP (1988) Age-related changes in hamster circadian period, entrainment, and rhythm splitting. *J Biol Rhythms* 3(3):237-248.

Mrosovsky N (1999) Masking: history, definitions, and measurement. *Chronobiol Int* 16(4):415-29.

Mrosovsky N, Reeb SG, Honrado GI, Salmon PA (1989) Behavioural entrainment of circadian rhythms. *Experientia* 45(8):696-702.

Mrugala M, Zlomanczuk P, Jagota A, Schwartz WJ (2000) Rhythmic multiunit neural activity in slices of hamster suprachiasmatic nucleus reflect prior photoperiod. *Am J Physiol Regul Integr Comp Physiol* 278(4):987-994.

Nakamura W, Honma S, Shirakawa T, Honma K (2001) Regional pacemakers composed of multiple oscillator neurons in the rat suprachiasmatic nucleus. *Eur J Neurosci* 14(4):666-74.

Nelson DE, Takahashi JS (1999) Integration and saturation within the circadian photic entrainment pathway of hamsters. *Am J Physiol Regul Integr Comp Physiol* 277(5):R1351-61.

Oda GA, Menaker M, Friesen WO (2000) Modeling the dual pacemaker system of the tau mutant hamster. *J Biol Rhythms*. 2000 Jun;15(3):246-64.

Ohta H, Yamazaki S, McMahon DG (2005) Constant light desynchronizes mammalian clock neurons. *Nat Neurosci* 8(3):267-9.

Panda S, Hogenesch JB (2004) It's all in the timing: many clocks, many outputs. *J Biol Rhythms* 19(5):374-87.

Pavlidis T CS (1981) Mathematical Models. In: *Handbook of behavioural neurobiology: Biological rhythms*, J Aschoff, ed, pp 41-54, Plenum Press, New York.

Pittendrigh CS (1981a) Circadian systems: Entrainment. In: *Handbook of behavioural neurobiology: Biological rhythms*, J Aschoff, ed, pp 95-124, Plenum Press, New York.

Pittendrigh CS (1981b) Circadian systems: General Perspective. In: *Handbook of behavioural neurobiology: Biological rhythms*, J Aschoff, ed, pp 57-80, Plenum Press, New York.

Pittendrigh C (1960) Circadian rhythms and the circadian organization of living systems. *Cold Spring Harbor Symposia on Quantitative Biology* 25:159-182.

Pittendrigh CS, Daan S (1974) Circadian oscillations in rodents: a systematic increase of their frequency with age. *Science* 186(4163):548-50.

Pittendrigh CS, Daan S (1976b) A functional analysis of circadian pacemakers in nocturnal rodents. V. Pacemaker structure: A clock for all seasons. *J Comp Physiol* 106:333-355.

Pittendrigh CS, Elliott JA, Takamura T (1984) The circadian component in photoperiodic induction. *Ciba Found Symp* 104:26-47.

Quintero J, Kuhlman SJ, McMahon DG (2003) The biological clock nucleus: a multiphasic oscillator network regulated by light. *J Neurosci* 23(22):8070-8076.

Ralph M, Lehman M (1991) Transplantation: a new tool in the analysis of the mammalian hypothalamic circadian pacemaker. *Trends in neuroscience* 14:362-366.

Redlin U, Mrosovsky N (1999) Masking by light in hamsters with SCN lesions. *J Comp Physiol A* 184:439-448.

Reebs SG, Doucet P (1997) Relationship between circadian period and size of phase shifts in Syrian hamsters. *Physiol Behav* 61(5):661-6.

Reebs SG, Mrosovsky N (1989) Effects of induced wheel running on the circadian activity rhythms of Syrian hamsters: entrainment and phase response curve. *J Biol Rhythms* 4(1):39-48.

Reppert SM, Weaver DR (2002) Coordination of circadian timing in mammals. *Nature* 418(6901):935-41.

Roenneberg T, Daan S, Merrow M (2002) The art of entrainment. *J Biol Rhythms* 18(3):183-94.

Rotenberg L, Marques N, Menna-Barreto, L (1997) Desarrollo de la Cronobiología. En: Cronobiología: Principios y Aplicaciones, N Marques, L Menna-Barreto, Golombek D eds, pp 32-56, Editorial Universitaria de Buenos Aires, Buenos Aires.

Russell, B (1992) El conocimiento humano. Editorial Planeta-Agostini.

Sahtouris E (1994) Gaia, la tierra viviente. Editorial Planeta-Nueva Conciencia.

Schaap J, Albus H, Tjebbe VH, Eilers PH, Detari L, Meijer JH (2003) Heterogeneity of rhythmic suprachiasmatic nucleus neurons: Implications for circadian waveform and photoperiodic encoding. *Proc Natl Acad Sci USA* 100:15994-15999.

Schibler U, Sassone-Corsi P (2002) A web of circadian pacemakers. *Cell* 111(7):919-22.

Schwartz WJ, de la Iglesia HO, Zlomanczuk P, Illnerova H (2001) Encoding le quattro stagioni within the mammalian brain: photoperiodic orchestration through the suprachiasmatic nucleus. *J Biol Rhythms* 16(4):302-11.

Selkov EE (1968) Self oscillations in glycolysis. *Eur J Biochem* 4:79-86.

Spoelstra K, Oklejewicz M, Daan S (2002) Restoration of self-sustained circadian rhythmicity by the mutant clock allele in mice in constant illumination. *J Biol Rhythms* 17(6):520-5.

Stephan FK, Zucker I (1972) Circadian rhythms in drinking behavior and locomotor activity of rats are eliminated by hypothalamic lesions. *Proc Natl Acad Sci U S A* 69(6):1583-6.

Turek FW, Penev P, Zhang Y, Van Reeth O, Zee PC (1995) Effects of age on the circadian system. *Neurosci Biobehav Rev* 19:53-58.

Vilaplana J, Cambras T, Campuzano A, Díez-Noguera A (1997) Simultaneous manifestation of free-running and entrained rhythms in the rat motor activity explained by a multioscillatory system. *Chronobiol Int* 14(1):9-18.

Vloeberghs E, Van Dam D, Engelborghs S, Nagels G, Staufenbiel M, De Deyn PP (2004) Altered circadian locomotor activity in APP23 mice: a model for BPSD disturbances. *Eur J Neurosci* 20(10):2757-66.

Weitzmann ED, Fukushima DK, Nogeire C, Roffwarg H, Gallagher T, Hellman L (1971) Twenty-four hour pattern of the episodic secretion of cortisol in normal subjects. *The Journal of Clinical Endocrinology and Metabolism* 33:14-22.

Welsh DK, Logothetis DE, Meister M, Reppert SM (1995) Individual neurons dissociated from rat suprachiasmatic nucleus express independently phased circadian firing rhythms. *Neuron* 14(4):697-706.

Welsh DK, Yoo SH, Liu AC, Takahashi JS, Kay SA (2004) Bioluminescence imaging of individual fibroblasts reveals persistent, independently phased circadian rhythms of clock gene expression. *Curr Biol* 14(24):2289-95.

Wever R (1979) Fractional desynchronization as a method for evaluating functional interdependencies. *Proceedings of the XIV International Conference of the International Society of Chronobiology*. Hannover.

Winfrey A (1967) Biological rhythms and the behavior of populations of coupled oscillators. *J Theor Biol* 16:15-42.

Winfrey AT (1971) Corkscrews and singularities in fruitflies: Resetting behavior of the circadian eclosion rhythm. En: *Biochronometry*, M Menaker, ed, pp 81-109, National Academy of Sciences, Washington DC.

Winfrey AT (2002) Oscillating systems. On emerging coherence. *Science* 298(5602):2336-7.

Yamaguchi S, Isejima H, Matsuo T, Okura R, Yagita K, Kobayashi M, Okamura H (2003) Synchronization of cellular clocks in the suprachiasmatic nucleus. *Science* 302(5649):1408-12.

Yamazaki S, Numano R, Abe M, Hida A, Takahashi R, Ueda M, Block GD, Sakaki Y, Menaker M, Tei H (2000) Resetting central and peripheral circadian oscillators in transgenic rats. *Science* 288(5466):682-5.

Yan L, Foley NC, Bobula JM, Kriegsfeld LJ, Silver R (2005) Two antiphase oscillations occur in each suprachiasmatic nucleus of behaviorally split hamsters. *J Neurosci* 25(39):9017-26.

Yannielli P, Harrington ME (2004) Let there be "more" light: enhancement of light actions on the circadian system through non-photic pathways. *Prog Neurobiol* 74(1):59-76.