

17. ZATZ, M.: Editorial: Who Do You Think You Are? J. Biol. Rhythms 17: 283 (2002).
18. ZATZ, M.: Editorial: Can't Get No... Satisfaction! J. Biol. Rhythms 17: 391 (2002).
19. ZATZ, M.: Editorial: Stands to Reason J. Biol. Rhythms 18: 3 (2003).
20. Lobachevsky, N. I.: Letter: Reality Bites J. Biol. Rhythms 18: 179 (2003).
21. ZATZ, M.: Editorial: Is It In, Or Is It Out? J. Biol. Rhythms 18: 355 (2003).
22. Wagstaff, Q.A.: Letter: The Mother of All Clock Genes? J. Biol. Rhythms 19: 175 (2004).
23. ZATZ, M.: Editorial: The Golden Age J. Biol. Rhythms 19: 179 (2004).
24. ZATZ, M.: Editorial: You Talking to Me? J. Biol. Rhythms 19: 263 (2004).
25. ZATZ, M.: Editorial: If at Third You Don't Succeed J. Biol. Rhythms 19: 465 (2004).
26. Lobachevsky, N. I.: Letter: You Whining at Me? J. Biol. Rhythms 20: 189 (2005).
27. Pupique, M.: Letter: Updating Faculty Evaluations J. Biol. Rhythms 21: 155 (2006).
28. Lobachevsky, N. I.: Letter: Principles of Professional Ethics for Scientists J. Biol. Rhythms, 22: 195 (2007).
29. Wagstaff, Q.A.: Letter: The Challenge to Science Management J. Biol. Rhythms 23: 182 (2008)

95. Yadav, G., Straume, M., Heath III, J., ZATZ, M.: Are changes in MAPK/ERK necessary or sufficient for entrainment in chick pineal cells? J. Neurosci., **23**:10021–10031 (2003).
96. Chaurasia¹, S.S., Rollag, M.D., Jiang, G., Hayes, W.P., Haque, R., Natesan, A., ZATZ, M., Tosini, G., Liu, C., Korf, H.W., Iuvone, P.M., and Provencio, I.: Molecular cloning, localization and circadian expression of chicken melanopsin (*Opn4*): Differential regulation of expression in pineal and retinal cell types. J. Neurochem. **92**, 158–170 (2005).

Introductions, Editorials, Pseudonymous Pieces, etc.

1. ZATZ, M.: Neuropharmacology of the SCN; Introduction. In: THE SUPRACHIASMATIC NUCLEUS: THE MIND'S CLOCK, D.C. Klein, R.Y. Moore, and S.M. Reppert, eds., New York: Oxford Press, pp. 260-262 (1991).
2. ZATZ, M., ed. General and section introductions. In: CIRCADIAN RHYTHMS, FESN, Discussions in Neuroscience, **8** (1992).
3. ZATZ, M.: Overview: Circadian Rhythms. In: Kelner, K. and Bloom, F., eds. BEST OF SCIENCE - NEUROSCIENCE, AAAS, New York, pp. 97-98 (2000).
4. ZATZ, M.: Editorial: On the Acceptance of New Experimental Findings in Science: Is Replication The Key? J. Biol. Rhythms, **15**: 275-276 (2000).
5. ZATZ, M.: Editorial: On Fields and Fences in Science J. Biol. Rhythms, **15**: 355-356 (2000).
6. ZATZ, M.: Editorial: What's a Scientific Journal For? J. Biol. Rhythms, **15**: 451-452 (2000).
7. Pupique, M: Letter: A Journal by Any Other Name J. Biol. Rhythms, **15**: 531 (2000).
8. ZATZ, M.: Editorial: What Do Reviewers Really Want? J. Biol. Rhythms, **16**: 3 (2001).
9. ZATZ, M.: Editorial: Show me the data! J. Biol. Rhythms, **16**: 99 (2001).
10. Pupique, M.: Letter: How to Fix the Review Process J. Biol. Rhythms, **16**: 191 (2001).
11. ZATZ, M.: Editorial: On Telling It Like It Was J. Biol. Rhythms, **16**: 195 (2001).
12. ZATZ, M.: Editorial: Yes Sir, That's My Data! J. Biol. Rhythms, **16**: 435 (2001).
13. ZATZ, M.: Editorial: Pebbles of Truth J. Biol. Rhythms, **16**: 515 (2001).
14. ZATZ, M.: Editorial: Ya Gotta Believe! J. Biol. Rhythms, **17**: 3 (2002).
15. Pupique, M.: Letter: Peer Review My Foot! J. Biol. Rhythms, **17**: 194 (2002).
16. ZATZ, M.: Editorial: More Interesting Experiments, Please! J. Biol. Rhythms, **17**: 199 (2002).

83. ZATZ, M.: Photoendocrine transduction in cultured chick pineal cells, IV: What do vitamin A depletion and retinaldehyde addition do to the effects of light on the melatonin rhythm? J. Neurochem., 62: 2001-2011 (1994).
84. Wolfe, M.S. and ZATZ, M.: Synthesis of heat shock proteins in cultured chick pineal cells. Brain Res., 662 : 273-277 (1994).
85. Wolfe, M.S., Lee, N.R. and ZATZ, M.: Properties of clock-controlled and constitutive N-acetyltransferase from chick pineal cells. Brain Res., 669 : 100-106 (1995).
86. ZATZ, M. and Heath, J. R. III : Calcium and photoentrainment in chick pineal cells revisited: Effects of caffeine, thapsigargin, EGTA, and light on the melatonin rhythm. J. Neurochem., 65 : 1332-1341 (1995).
87. Green, C.B., Besharse, J.C., ZATZ, M.: Tryptophan hydroxylase mRNA levels are regulated by the circadian clock, temperature, and cAMP in chick pineal cells, Brain Res., 738: 1 - 7 (1996).
88. ZATZ M.: Melatonin rhythms: Trekking toward the heart of darkness in the chick pineal. Sem. Cell Devel. Biol., 7 : 811-820 (1996).
89. Bernard, M., Klein, D.C., ZATZ, M.: Chick pineal regulates serotonin-*N*-Acetyltransferase mRNA rhythm in culture. Proc. Natl. Acad. Sci. (USA), 94: 304-309 (1997).
90. Klein, D.C., Coon, S.L., Roseboom, P.H., Weller, J.L., Bernard, M., Gastel, J.A., ZATZ, M., Iuvone, M., Rodriguez, I.R., Begay, V., Falcon, J., Cahill, G., Cassone, V.M., Baler, R.: The melatonin rhythm generating enzyme: Molecular regulation of serotonin N-acetyltransferase in the pineal gland. Rec. Prog. Horm. Res., 52: 307-358 (1997).
91. Klein, D.C., Baler, R., Roseboom, P.H., Weller, J.L., Bernard, M., Gastel, J.A., ZATZ, M., Iuvone, M., Begay, V., Falcon, J., Cahill, G., Cassone, V.M., Coon, S.L.: The molecular basis of the pineal melatonin rhythm: Regulation of serotonin N-acetylation. In: Lydic, R., Baghdoyan, H., eds. HANDBOOK OF BEHAVIORAL STATE CONTROL: 4, Molecular and Physiological Mechanism. CRC Press, Boca Raton, pp. 45-59 (1998)
92. Bernard, M., Guerlotte, J., Greve, P., Grechez-Cassiau, A., Iuvone, M.P., ZATZ, M., Chong, N.W., Klein, D.C., Voisin, P.: Melatonin synthesis pathway: circadian regulation of the genes encoding the key enzymes in the chicken pineal gland and retina. Reprod. Nutr. Dev., 39: 1-10 (1999).
93. ZATZ, M., Gastel, J.A., Heath, J.R., III, Klein, D.C.: Chick pineal melatonin synthesis: Light and cyclic AMP control abundance of serotonin N-acetyltransferase protein. J. Neurochem., 74: 2315-2321 (2000)
94. Natesan, A, Geetha, L., ZATZ, M.: Rhythm and soul in the avian pineal. Cell and Tissue Res., 309: 35-45 (2002)

- Basic Aspects and Peripheral Mechanisms. New York: A.R. Liss pp. 435-439 (1988).
69. ZATZ, M. and Mullen, D.A.: Does calcium influx regulate melatonin production through the circadian pacemaker in chick pineal cells? Effects of nitrendipine, Bay K 8644, Co^{++} , Mn^{++} , and low external Ca^{++} . Brain Res., 463: 305-316 (1988).
 70. ZATZ, M.: Relationship between light, calcium influx, and cAMP in the acute regulation of melatonin production by cultured chick pineal cells. Brain Res., 477: 14-18 (1989).
 71. Harrison, N.L. and ZATZ, M.: Voltage-dependent calcium channels regulate melatonin output from cultured chick pineal cells. J. Neurosci., 9: 2462-2467 (1989).
 72. ZATZ, M. and Mullen, D.A.: Oubain (or salt solution lacking potassium) mimics the effects of dark pulses on the circadian pacemaker in cultured chick pineal cells. Brain Res., 501: 37-45 (1989).
 73. ZATZ, M. and Mullen, D.A.: Photoendocrine transduction in chick pineal cells (III): Oubain (or dark) pulses can block, overcome, or alter the phase response of the melatonin rhythm to light pulses. Brain Res., 501: 46-57 (1989).
 74. ZATZ, M., Kasper, G. and Marquez, C.R.: Vasoactive Intestinal Peptide stimulates chick pineal melatonin production and interacts with other stimulatory and inhibitory agents, but does not show alpha-adrenergic potentiation. J. Neurochem., 55: 1149-1153 (1990).
 75. ZATZ, M.: Light and norepinephrine similarly prevent damping of the melatonin rhythm in cultured chick pineal cells: Regulation of coupling between the pacemaker and overt rhythms? J. Biol. Rhythms, 6: 137-147 (1991).
 76. ZATZ, M. and Wang, H.-M.: High salt mimics the effects of light pulses on the circadian pacemaker in cultured chick pineal cells. Am. J. Physiol., 260: R769-R776 (1991).
 77. ZATZ, M. and Wang, H.-M.: Low salt mimics the effects of dark pulses on the circadian pacemaker in cultured chick pineal cells. Am. J. Physiol., 261: R1424-R1430 (1991).
 78. ZATZ, M.: Perturbing the pacemaker in the chick pineal. Discussions in Neuroscience, 8: 67-72 (1992).
 79. ZATZ, M.: Agents that affect calcium influx can change cyclic nucleotide levels in cultured chick pineal cells. Brain Res., 583: 304-307 (1992).
 80. ZATZ, M.: Does the circadian pacemaker act through cyclic AMP to drive the melatonin rhythm in chick pineal cells? J. Biol. Rhythms, 7: 301-311 (1992).
 81. ZATZ, M.: Convergence and Divergence in Chick Pineal Regulation. In: Circadian Rhythms. Aronson, B.D., Bell-Pedersen, D., Block, G.D.,...ZATZ, M. and Zucker, I.: Brain Res. Revs., 18: 315-333 (1993).
 82. ZATZ, M., Lange, G. D. and Rollag, M. D.: What does changing the temperature do to the melatonin rhythm in cultured chick pineal cells? Am. J. Physiol., 266: R50 - R58, (1994).

55. ZATZ, M.: Denervation supersensitivity of the rat pineal to norepinephrine-stimulated [3H]-inositide turnover revealed by lithium and a convenient procedure. J. Neurochem., 45: 95-100 (1985).
56. ZATZ, M. and Reisine, T.D.: Lithium induces corticotropin secretion and desensitization in cultured anterior pituitary cells. Proc. Natl. Acad. Sci. USA, 82: 1286-1290 (1985).
57. ZATZ, M.: Phorbol esters mimic alpha-adrenergic potentiation of serotonin N-acetyltransferase induction in the rat pineal. J. Neurochem., 45: 637-639 (1985).
58. ZATZ, M.: Translocation of protein kinase C in rat hippocampal slices. Brain Res., 385: 174-178 (1986).
59. ZATZ, M., Mahan, L.C. and Reisine, T.D.: Translocation of protein kinase C in anterior pituitary tumor cells. J. Neurochem., 48: 106-110 (1987).
60. O'Brien, P.J., ST. Jules, R.S., Reddy, T.S., Bazan, N.G. and ZATZ, M.: Acylation of disc membrane rhodopsin may be non-enzymatic. J. Biol. Chem., 262: 5210-5215 (1987).
61. Reisine, T. and ZATZ, M.: Interactions between lithium, calcium, diacylglycerides and phorbol esters in the regulation of ACTH release from AtT-20 cells. J. Neurochem., 49: 884-889 (1987).
62. ZATZ, M. and Reisine, T.: Corticotropin (ACTH) secretion. In: Johnson, F.N., ed. LITHIUM THERAPY MONOGRAPHS, Vol. II, LITHIUM AND THE ENDOCRINE SYSTEM. New York: Karger Medical Publishers, pp. 147-158 (1988).
63. ZATZ, M., Mullen, D.A. and Moskal, J.R.: Photoendocrine transduction in cultured chick pineal cells: Effects of light, dark, and potassium on the melatonin rhythm. Brain Res., 438: 199-215 (1988).
64. ZATZ, M. and Mullen, D.A.: Norepinephrine, acting via adenylate cyclase, inhibits melatonin output but does not phase-shift the pacemaker in cultured chick pineal cells. Brain Res., 450: 137-143 (1988).
65. Wallingford, J.C. and ZATZ, M.: A novel photopigment candidate in membranes of cultured chick pineal cells. Exp. Eye Res., 46: 909-918 (1988).
66. ZATZ, M. and Mullen, D.A.: Photoendocrine transduction in cultured chick pineal cells. II. Effects of forskolin, 8-bromocyclic AMP, and 8-bromocyclic GMP on the melatonin rhythm. Brain Res., 453: 51-62 (1988).
67. ZATZ, M. and Mullen, D.A.: Two mechanisms of photoendocrine transduction in cultured chick pineal cells: Pertussis toxin blocks the acute but not the phase-shifting effects of light on the melatonin rhythm. Brain Res., 453: 63-71 (1988).
68. ZATZ, M.: Pondering the pineal in chick vs. rat. In: Dahlstrom, A., Belmaker, K.H., and Sandler, M., eds. PROGRESS IN CATECHOLAMINE RESEARCH. Part A:

41. ZATZ, M.: The pineal gland. In HANDBOOK OF EXPERIMENTAL PHARMACOLOGY, Vol. 58/II, CYCLIC NUCLEOTIDES. J.W. Keabian and J.A. Nathanson, eds., Springer-Verlag, N.Y., pp. 691-710 (1982).
42. Engelsen, S.J. and ZATZ, M.: Stimulation of fatty acid methylation in human red cell membranes by phospholipase A2 activation. Biochim. Biophys. Acta, 711: 515-520 (1982).
43. ZATZ, M., Engelsen, S.J., Kloog, Y., Dudley, P.A. and Markey, S.P.: Methylation of nonpolar lipids: Identification and characterization. In: BIOCHEMISTRY OF S-ADENOSYL-METHIONINE AND RELATED COMPOUNDS, E. Usdin, R.T. Borchardt, and E. Creveling, eds., Macmillan, London, pp. 509-512 (1982).
44. Nestler, E.J., ZATZ, M. and Greengard, P.: A diurnal rhythm in pineal protein I content mediated by beta-adrenergic neurotransmission. Science 217: 357-359 (1982).
45. ZATZ, M., Engelsen, S.J. and Markey, S.P.: Biosynthesis of S-methyl-N-oleoyl mercaptoethylamide from oleoyl coenzyme A and S-adenosylmethionine. J. Biol. Chem. 257: 13673-13678 (1982).
46. Takahashi, J.S. and ZATZ, M.: Regulation of circadian rhythmicity. Science 217: 1104-1111 (1982).
47. Latker, C.H., Eiden, L.E. and ZATZ, M.: The effect of methylazoxymethanol acetate (MAM) on the developing rat retina. Experimental Eye Res. 35: 351-361 (1982).
48. Butler, R. J. DeB. and ZATZ, M.: Pantethine depletes cystinotic fibroblasts of cystine. J. Peds. 102: 796-798 (1983).
49. Bougnoux, P., Bonvini, E., Stevenson, H.C., Markey, S.P., ZATZ, M. and Hoffman, T.: Identification of ubiquinone-50 as the major methylated nonpolar lipid in human monocytes. Regulation of its biosynthesis via methionine-dependent pathways and relationship to superoxide production. J. Biol. Chem. 258: 4339-4344, (1983).
50. ZATZ, M., Engelsen, S.J. and Markey, S.P.: Novel formation of S-methylacylthioester from oleoyl coenzyme A and S-adenosylmethionine in the presence of FeS04. J. Biol. Chem. 258: 5759-5763 (1983).
51. Eskin, A., Takahashi, J.S., ZATZ, M. and Block, G.D.: Cyclic GMP mimics the effects of light on a circadian pacemaker in the eye of Aplysia. J. Neurosci., 4: 2466-2471 (1984).
52. O'Brien, P.J. and ZATZ, M.: Acylation of rhodopsin by [3H] palmitic acid. J. Biol. Chem., 259: 5054-5057 (1984).
53. Butler, J. and ZATZ, M.: Pantethine and cystamine deplete cystine from cystinotic fibroblasts via efflux of cysteamine-cysteine mixed disulfide. J. Clin. Invest., 74: 411-416 (1984).
54. Wittwer, C.T., Gahl, W.A., Butler, J. DeB., ZATZ, M., and Thoene, J.G.: Metabolism of pantethine in cystinosis. J. Clin. Invest., 76: 1665-1672 (1985).

28. Paul, S.M., ZATZ, M. and Skolnick, P.: Demonstration of "brain-specific" benzodiazepine receptors in rat retina. Brain Res., 187: 243-246 (1980).
29. ZATZ, M.: A neuropharmacological approach to the circadian oscillator regulating rat pineal serotonin N-acetyltransferase activity. In BIOLOGICAL RHYTHMS AND THEIR CENTRAL MECHANISM, M. Suda, O. Hayaishi and H. Nakagawa, eds., Elsevier/North Holland, Amsterdam, pp. 149-158 (1980).
30. Kebabian, J.W. and ZATZ, M.: Adaptive properties of adrenoceptors. In: Cell Surface Reviews, Vol. 6: THE CELL SURFACE AND NEURONAL FUNCTION. C.W. Cotman, G. Poste and G.L. Nicholson, eds., Elsevier/North Holland, Amsterdam, pp. 303-349 (1980).
31. ZATZ, M.: The pineal gland: Shedding light on the internal clock. Trends in Pharm. Sci., 1: 230-233 (1980).
32. Skolnick, P., Paul, S.M., ZATZ, M. and Eskay, P: 'Brain-specific' benzodiazepine receptors are localized in the inner plexiform layer of rat retina. Eur. J. Pharm., 66: 133-136 (1980).
33. Paul, S.M., Skolnick, P. and ZATZ, M.: Avermectin Bla: An irreversible activator of the gamma-aminobutyric acid-benzodiazepine-ionophore receptor complex. Biochem. Biophys. Res. Comm., 96: 632-638 (1980).
34. ZATZ, M.: Pharmacology of the rat pineal gland. In THE PINEAL GLAND: ITS ANATOMY AND BIOCHEMISTRY, R. Reiter (ed.), CRC Press, Boca Raton, Florida, pp. 229-242 (1981).
35. ZATZ, M. and Herkenham, M.A.: Intraventricular carbachol mimics the phase-shifting effect of light on the circadian rhythm of wheel-running activity. Brain Res., 212: 234-238 (1981).
36. Eiden, L.E., Latker, C. and ZATZ, M.: Retinal toxicity of MAM acetate is developmentally specific. Developmental Brain Res., 1, Brain Res. 227: 425-428 (1981).
37. ZATZ, M. and Brownstein, M.J.: Injection of alpha-bungarotoxin near the suprachiasmatic nucleus blocks the effects of light on nocturnal pineal enzyme activity. Brain Res., 213: 438-442 (1981).
38. ZATZ, M., Dudley, P.A., Kloog, Y. and Markey, S.P.: Nonpolar lipid methylation: Biosynthesis of fatty acid methyl esters by rat lung membranes using S-adenosylmethionine. J. Biol. Chem., 256: 10028-10032 (1981).
39. Brownstein, M.J. and ZATZ, M.: The suprachiasmatic nucleus: A mammalian clock. In: CELLULAR PACEMAKERS, Vol. 2, D. Carpenter, ed., Wiley, NY, pp. 217-226 (1982).
40. Kloog, Y., ZATZ, M., Rivnay, B., Dudley, P.A. and Markey, S.P: Nonpolar lipid methylation: Identification of nonpolar methylated products synthesized by rat basophilic leukemia cells, retina, and parotid. Biochem. Pharm. 31: 753-760 (1982).

14. Kebabian, J.W., ZATZ, M., and O'Dea, R.F.: Modulation of receptor sensitivity in the pineal: The roles of cyclic nucleotides. In NEUROSCIENCE SYMPOSIA, Vol. II, Approaches to the Cell Biology of Neurons, Society for Neuroscience, Bethesda, pp. 376-398 (1977).
15. ZATZ, M., and O'Dea, R.F.: Efflux of cyclic nucleotides from rat pineal: Release of cyclic GMP from sympathetic nerve endings. Science, 197: 174-176 (1977).
16. ZATZ, M.: Effects of cholera toxin on supersensitive and subsensitive rat pineal glands: Regulation of sensitivity at multiple sites. Life Sci., 21: 1267-1276 (1977).
17. ZATZ, M., and Axelrod, J.: Regulation of sensitivity to beta-adrenergic stimulation in the rat pineal. In NEURONAL INFORMATION TRANSFER, A. Karlin, V.M., Tennyson and H.J. Vogel, eds., Academic Press, N.Y., pp. 47-58 (1978).
18. O'Dea, R.F., Gagnon, C., and ZATZ, M.: Regulation of cyclic GMP in the rat pineal and posterior pituitary glands. J. Neurochem., 31: 733-738 (1978).
19. ZATZ, M., and Weinstock, M.: Electric field stimulation releases norepinephrine and cyclic GMP from the rat pineal gland. Life Sci., 22: 767-772 (1978).
20. ZATZ, M., Kebabian, J.W., and O'Dea, R.F.: Regulation of beta -adrenergic function in the rat pineal gland. In RECEPTORS AND HORMONE ACTION, Vol. III, L. Birnbaumer and B.W. O'Malley, eds., Academic Press, New York, pp. 195-219 (1978).
21. ZATZ, M.: Sensitivity and cyclic nucleotides in the rat pineal gland. In THE PINEAL GLAND, I. Nir, R.J. Reiter and R.J. Wurtman, eds., Springer-Verlag, New York, pp . 97-114 (1978).
22. ZATZ, M., and Romero, J.A.: Effects of calcium-free medium on the induction of serotonin N-acetyltransferase in the rat pineal. Biochem. Pharm., 27: 2549-2553 (1978).
23. ZATZ, M., and Brownstein, M.J.: Central depressants rapidly reduce nocturnal serotonin-N-acetyltransferase activity in the rat pineal gland. Brain Res., 160: 381-385 (1979).
24. ZATZ, M., and O'Dea, R.F.: Synthesis and release of cyclic GMP by nerve endings in the rat pineal gland and neurohypophysis. In CATECHOLAMINES: BASIC AND CLINICAL FRONTIERS. Proceedings of the Fourth International Catecholamine Symposium, Usdin, E., Kopin, I.J., and J. Barchas, eds., Pergamon Press, New York, pp. 247-249 (1979).
25. ZATZ, M., and Brownstein, M.J.: Intraventricular carbachol mimics the effects of light on the circadian rhythm in the rat pineal gland. Science, 203: 358-361 (1979).
26. ZATZ, M.: Low concentrations of lithium inhibit the synthesis of cyclic AMP and cyclic GMP in the rat pineal gland. J. Neurochem., 32: 1315-1321 (1979).
27. ZATZ, M.: Photoentrainment, pharmacology, and phase shifts of the circadian rhythm in the rat pineal. Fed. Proc., 38: 2596-2601 (1979).

BIBLIOGRAPHY
(excluding abstracts)

1. ZATZ, M., and Barondes, S.H.: Incorporation of mannose into mouse brain lipid. Biochem. Biophys. Res. Comm., 36: 511-517 (1969).
2. ZATZ, M., and Barondes, S.H.: Fucose incorporation into glycoproteins of mouse brain. J. Neurochem., 17: 157-163 (1970).
3. ZATZ, M., and Barondes, S.H.: Rapid transport of fucosyl glycoproteins to nerve endings in mouse brain. J. Neurochem., 18: 1125-1133 (1971).
4. ZATZ, M., and Barondes, S.H.: Particulate and solubilized fucosyl transferases from mouse brain. J. Neurochem., 18: 1625-1637 (1971).
5. ZATZ, M., and Roth, R.H.: Electroconvulsive shock raises prostaglandins F in rat cerebral cortex. Biochem. Pharmacol., 24: 2101-2103 (1975).
6. Romero, J.A., ZATZ, M., and Axelrod, J.: Beta-adrenergic stimulation of pineal N-acetyl-transferase: cyclic AMP stimulates both RNA and protein synthesis. Proc. Natl. Acad. Sci. USA. 72: 2107-2111 (1975).
7. Keabian, J.W., ZATZ, M., Romero, J.A., and Axelrod, J.: Rapid changes in rat pineal beta-adrenergic receptor: alterations in 1-[3H] alprenolol binding and adenylate cyclase. Proc. Natl. Acad. Sci. USA. 72: 3735-3739 (1975).
8. Romero, J.A., ZATZ, M., Keabian, J.W., and Axelrod, J.: Circadian cycles in binding of 3H alprenolol to beta-adrenergic receptor sites in rat pineal. Nature, 258: 435-436 (1975).
9. ZATZ, M., Romero, J.A., and Axelrod, J.: Diurnal variation in requirement for RNA synthesis in the induction of pineal N-acetyltransferase. Biochem. Pharmacol., 25: 903-906 (1976).
10. ZATZ, M., Keabian, J.W., Romero, J.A., Lefkowitz, R.J., and Axelrod, J.: Pineal beta-adrenergic receptor: correlation of binding of 3H-(l)-alprenolol with stimulation of adenylate cyclase. J. Pharmacol. Exp. Ther., 196: 714-722 (1976).
11. O'Dea, R.F., and ZATZ, M.: Catecholamine-stimulated cGMP accumulation in rat pineal: Apparent presynaptic site of action. Proc. Natl. Acad. Sci. USA. 73: 3398-3402 (1976).
12. ZATZ, M., and O'Dea, R.F.: Regulation of protein kinase in rat pineal: Increased Vmax in supersensitive glands. J. Cyc. Nuc. Res. 2: 427-439 (1976).
13. Axelrod, J., and ZATZ, M.: The beta-adrenergic receptor and the regulation of circadian rhythms in the pineal gland. In BIOCHEMICAL ACTIONS OF HORMONES, Vol. IV, G. Litwack, ed., Academic press, New York, pp. 249-268 (1977).

Servier Workshop on Circadian Rhythms and Sleep Disorders, NY, NY, 1993
International Society for Chronobiology, Quebec, Canada, 1993
Gordon Conference on Chronobiology, New London, NH, 1993
FESN Follow-up Meeting on Circadian Rhythms, NY, NY, 1992
Summer Course in Biological Timing, U. VA, Charlottesville, VA, 1992
Department of Biology, Wesleyan U., Middletown, CT, 1992
Symposium on Molecular Basis of Biological Timing, Charlottesville, VA, 1992
MacArthur Foundation, Panel on Biological Rhythms and Depression, Dallas, TX, 1992
FESN Study Group on Circadian Rhythms, Geneva, Switzerland, 1991
Gordon Conference on Chronobiology, Irsee, Germany, 1991
MacArthur Foundation, Panel on Biological Rhythms and Depression, Chicago, IL, 1990
Grand Rounds, NIH Clinical Center, Bethesda, MD, 1990
Society for Research on Biological Rhythms, Amelia Island, FL, 1990
Biology Department, U. VA, Charlottesville, VA, 1989
Biology Department, Georgetown U., Washington, DC, 1989
Conference on the Suprachiasmatic Nucleus, Bethesda, MD, 1989
Gordon Conference on Chronobiology, Plymouth, NH, 1989
Gordon Conference on Pineal Cell Biology, Plymouth, NH, 1989
8th International Congress on Eye Research, San Francisco, CA, 1988
Society for Research on Biological Rhythms, Charleston, SC, 1988
6th International Catecholamine Symposium, Jerusalem, Israel, 1987
Department of Neurology, Massachusetts General Hospital, Boston, MA, 1987

Member: MacArthur Foundation Task Force on Biological Rhythms and Psychopathology, 1992-1993
Chair: Program Committee, Society for Research on Biological Rhythms, 1992
Cochair: Fondation pour l'Etude du Systeme Nerveux (FESN) Follow-up Meeting on Circadian Rhythms, 1992
Chair: Gordon Conference on Pineal Cell Biology, 1991
Cochair: FESN Study Group on Circadian Mechanisms, 1991
Member: Program Committee, Society for Research on Biological Rhythms, 1990
Vice Chair: Gordon Conference on Pineal Cell Biology, 1989

Member: National Institutes of Health-Howard Hughes Medical Institute Fellowship Award Committee, 1989-2004
Member: Search Committee for Scientific Director, National Eye Institute IRP, 2001
Member: Training Committee, DIRP, National Institute of Mental Health, 1997-2000
Member: Tenure and Promotions Committee, National Institute of Mental Health, 1993-1994
Member: Library Advisory Committee, National Institutes of Health 1984 - 1996
Member: National Institute of Mental Health Animal Care and Use Committee, 1987-1990.

INVITED OUTSIDE PRESENTATIONS (since 1987):

The Axelrod Lecture, European Biological Rhythms Society, Oxford, England, 2011
Session Chair, Gordon Conference on Chronobiology, Newport, R.I., 2009
Workshop: Society for Research on Biological Rhythms, Sandestin, FL, 2008
Lerner Memorial Symposium; Society for Research on Biological Rhythms, Sandestin, FL, 2008
Session Chair, 72nd CSHS, Clocks and Rhythms, Cold Spring Harbor, NY, 2007
Session Chair, Gordon Conference on Chronobiology, Aussois, France, 2007
Symposium: Half a Century of Neuroscience by Julius Axelrod, UCSD, La Jolla, CA, 2005
1st World Congress of Chronobiology, Sapporo, Japan, 2003
Workshop on Suprachiasmatic Nucleus, Washington, D.C., 2003
Gordon Conference on Pineal Cell Biology, Ventura, CA, 2002
Gordon Conference on Chronobiology, Newport, R.I., 2001
Arylalkylamine-N-acetyl transferase (AANAT) 2001 Workshop, Warrenton, VA, 2001
Department of Biology, University of Virginia, Charlottesville, VA, 2001
Gordon Conference on Pineal Cell Biology, Oxford, UK, 2000
Society for Research on Biological Rhythms, Amelia Island, FL, 1998
Center for Behavioral Neurobiology, Concordia University, Montreal, QC, Canada, 1998
Plenary Lecture, Gordon Conference on Pineal Cell Biology, Ventura, CA, 1998
Faculty of Neuroscience, Texas A&M University, College Station, TX, 1997
Society for Light Treatment and Biological Rhythms, Vancouver, B.C., 1997
Gordon Conference on Chronobiology, New London, NH, 1997
Department of Biochemistry, University of Houston, Houston, TX, 1996
Society for Light Treatment and Biological Rhythms, Bethesda, MD, 1996
Society for Research on Biological Rhythms, Amelia Island, FL, 1996
Gordon Conference on Pineal Cell Biology, Ventura, CA, 1996
Department of Anatomy & Cell Biology, Univ. of Kansas, Kansas City, KS, 1996
Am. Physiol. Society Conference: Understanding the Biological Clock, Hanover, NH, 1995
Workshop on Molecular Aspects of Pineal Signal Transduction, Warrenton, VA, 1995
Society for Research on Biological Rhythms, Amelia Island, FL, 1994
Biochemistry Department, Dartmouth University, Hanover, NH, 1994
Gordon Conference on Pineal Cell Biology, Oxnard, CA, 1994

1996 - 2003

Chief, Laboratory of Cellular and Molecular Regulation,
DIRP, National Institute of Mental Health, Bethesda, MD

RESEARCH INTERESTS:

Regulation, generation, and expression of circadian rhythms; Pineal gland and melatonin biochemistry; Photoentrainment and phototransduction; Second messengers and signal transduction.

SOCIETIES:

Society for Research on Biological Rhythms,
Society for Neuroscience,
American Society for Pharmacology and Experimental Therapeutics,
American Association for the Advancement of Science

OTHER ACTIVITIES

(Since 1987; records of earlier activities were lost)

REVIEWING FOR JOURNALS, ETC.:

Editor-in-Chief, *Journal of Biological Rhythms* 2000 -2013
Member, Board of Reviewing Editors, *Science*, 1997 - 2008
Ad hoc Reviewer: Am. J. Physiol., Brain Res., Cell, Endocrinol., Exp. Eye Res., J. Neurosci.,
J. Neurochem., J. Biol.Chem., J. Biol. Rhythms, Nature, Neuron, Pharm. & Behav.,
Proc. Natl. Acad. Sci., Science, etc.

REVIEWING FOR GRANTING AGENCIES:

Member: Review Committee, Air Force Office of Scientific Research Chronobiology Program 1989, 1992, 1997.
Member: Molecular, Cellular, and Developmental Neurobiology Study Section, National Institute of Mental Health, 1992--1996
Chair: Pharmacology Research Associate Training Program Selection Committee, National Institute of General Medical Sciences, 1989, 1990, 1992, 1993, 1995.
Member: Abstracts Review Panel, Minority Access to Research Careers Program, National Institute of General Medical Sciences, 1993
Member: Review Panel, National Cancer Institute Request for Applications, 1989.
Ad hoc Reviewer: National Science Foundation, Air Force Office of Scientific Research, Medical Research Council of Canada, Alberta Heritage Foundation, Israeli-American Binational Research Program, Scottish Rites Foundation, MacArthur Foundation.

COMMITTEES, ETC.:

Member: External Advisory Committee, EU CLOCK (European Research Network) 2005 - 10
Member: External Advisory Committee, National Science Foundation
Center for Biological Timing, 1991--2001
Member: Technology Area Review and Assessment (TARA) Panel for Basic Research (6.1), Department of Defense, 1997

CURRICULUM VITAE

NAME:

MARTIN ZATZ

EDUCATION:

A.B., 1965	Chemistry; <i>cum laude</i> Columbia University, New York, N.Y.
Ph.D., 1970	Pharmacology (Adviser: Samuel H. Barondes, M.D.), Albert Einstein College of Medicine, New York, NY
M.D., 1972	Albert Einstein College of Medicine, New York, NY
Fellow, 1965-1972	Medical Scientist Training Program (MSTP), supported by National Institute of General Medical Sciences at Albert Einstein College of Medicine, New York, NY
Residency, 1972-1974	Department of Psychiatry, Yale University School of Medicine, New Haven, CT
Fellow, 1974-1976	Pharmacology Research Associate Training Program (PRAT), (Preceptor: Julius Axelrod, Ph.D.), supported by National Institute of General Medical Sciences in Section on Pharmacology, Laboratory of Clinical Science, National Institute of Mental Health, Bethesda, MD

POSITIONS HELD:

1976-1978	Senior Staff Fellow, Section on Pharmacology, Laboratory of Clinical Science, DIRP, National Institute of Mental Health, Bethesda, MD
1978-1982	Medical Officer (Research), Section on Pharmacology, Laboratory of Clinical Science, DIRP, National Institute of Mental Health, Bethesda, MD
1982-1984	Chief, Unit on Biochemical Pharmacology, Laboratory of Cell Biology, DIRP, National Institute of Mental Health, Bethesda, MD
1984 - 2005	Chief, Section on Biochemical Pharmacology, Laboratory of Cell Biology, DIRP, National Institute of Mental Health, Bethesda, MD
1996 - 2005	Chief, Section on Biochemical Pharmacology, Laboratory of Cellular and Molecular Regulation, DIRP, National Institute of Mental Health, Bethesda, MD