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Qualifications

1957 B.A. Franklin and Marshall College, Lancaster, PA

1960 D.V.M. Cornell University, Ithaca, New York

1962 M.S. Cornell University, Ithaca, New York

1964 Ph.D. University of Pennsylvania, Philadelphia, PA

Research Interests

We are trying to determine what structures prevent behavioral arousal from rapid eye movement sleep (REM), given that the brain in REM exhibits most of the features of the brain in alert wakefulness. We employ primarily behavioral and pharmacologic techniques. Our current focus is the role of the amygdala in the control of REM onset and its maintenance.

Selected Publications

Horner, R.L., L.D. Sanford, D. Annis, A.I. Pack, and A.R. Morrison, 1997.
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- Zagrodzka, J., C.E. Hedberg, G.L. Mann and A.R. Morrison, 1998. Contrasting expressions of aggressive behavior released by lesions of the central nucleus of the amygdala during wakefulness and rapid eye movement sleep without atonia. *Behav Neurosci*. 1998 Jun;112(3):589-602.
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- Morrison AR, Sanford LD, Ross RJ. The Amygdala: A Critical Modulator of Sensory Influence on Sleep. *Biol Signals Recept*. 2000 Nov;9(6):283-296.
- Sanford, L.D., Cheng, C.S., Silvestri, A.J., Tang, X., Mann, G.L., Ross, R.J., and Morrison, A.R., 2001. Sleep behavior in rats with pontine lesions producing REM without atonia. *Sleep Res. Online*, 4/1: 1-5.

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