

# DEFINING WISDOM

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## Wisdom Literature Review: **Biology**

This reference list is part of a larger literature review of texts and publications relevant to wisdom research. The following list is not exhaustive, but contains some references on biology that may relate to wisdom research, although they do not explicitly address wisdom. The references in this list focus on the evolution of intelligence and cognition and on the comparison of cognitive capacities across animal taxa.

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Byrne, R. W. 2000. Evolution of primate cognition. *Cognitive Science*, 24: 543-70.

Dunbar, R. I. M. 1998. The social brain hypothesis. *Evolutionary Anthropology*, 6: 178-90.

Flinn, M. V. 1997. Culture and the evolution of social learning. *Evolution and Human Behavior*, 18: 23-67.

Geary, D. C. & Huffman, K. J. 2002. Brain and cognitive evolution: Forms of modularity and functions of mind. *Psychological Bulletin*, 128: 667-98.

Gibson, K. R. 2002. Evolution of human intelligence: The roles of brain size and mental construction. *Brain Behavior and Evolution*, 59: 10-20.

Joffe, T. H. 1997. Social pressures have selected for an extended juvenile period in primates. *Journal of Human Evolution*, 32: 593-605.

Kaas, J. H. & Collins, C. E. 2001. Evolving ideas of brain evolution. *Nature*, 411: 141-2.

Kaplan, H. S. & Robson, A. J. 2002. The emergence of humans: The coevolution of intelligence and longevity with intergenerational transfers. *Proceedings of the National Academy of Sciences of the United States of America*, 99: 10221-6.

Kudo, H. & Dunbar, R. I. M. 2001. Neocortex size and social network size in primates. *Animal Behaviour*, 62: 711-22.



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Macphail, E. M. & Bolhuis, J. J. 2001. The evolution of intelligence: adaptive specializations versus general process. *Biological Reviews*, 76: 341-64.

Mondragon-Ceballos, R. 2002. Machiavellian intelligence of primates and evolution of social brain. *Salud Mental*, 25: 29-39.

Reader, S. M. 2003. Innovation and social learning: individual variation and brain evolution. *Animal Biology*, 53: 147-58.

Richerson, P. J. & Boyd, R. 2001. Climate, culture and the evolution of cognition. In: *The evolution of cognition* (Ed. By Heyes, C. & Huber, L.), pp. 329-47. London: MIT Press.

Seyfarth, R. M. & Cheney, D. L. 2002. What are big brains for? *Proceedings of the National Academy of Sciences of the United States of America*, 99: 4141-2.

van Schaik, C. P. & Pradhan, G. R. 2003. A model for tool-use traditions in primates: implications for the coevolution of culture and cognition. *Journal of Human Evolution*, 44: 645-64.

Whiting, B. A. & Barton, R. A. 2003. The evolution of the cortico-cerebellar complex in primates: anatomical connections predict patterns of correlated evolution. *Journal of Human Evolution*, 44: 3-10.

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