

**Evidence Based Cell Biology,
with Some Implications for Clinical Research
by
Harold Hillman
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This book is dedicated to my unexcelled wife, Elizabeth, in whose eyes are truth.

Author of

Certainty and Uncertainty in Biochemical Techniques. (1972). Surrey University Press, Henley.

(With Sartory, P) *The Living Cell.* (1980). Packard Publishing, Chichester.

The Cellular Structure of the Mammalian Nervous System. (1985). MTP Press, Lancaster.

The Case for New Paradigms in Cell Biology and in Neurobiology. (1991). Mellen Press, Lampeter.

(With Jarman, D) *Atlas of the Cellular Structure of the Human Nervous System.* (1991). Academic Press, London.

Theories, like mist on spectacles, sometimes obscure vision. *Confucius, 515-479 b.c., quoted by Charles Chan, 1943.*

Primum non nocere. *Hippocrates, 460-377 b.c.*

He that hath ears to hear, let him hear. *Matthew, 11, 15.*

A truth, established by proof, does not gain in force from support of scholars; nor does it lose its certainty, because of popular dissent. *Moses Maimonides, 1190.*

But as soon as he began using his mind, the wisdom of heresy became strong in him again. *Nachman of Bratislav, 1772-1811.*

To tell the truth is dangerous, to listen is annoying. *Danish proverb.*

Nothing is too wonderful to be true - if it be consistent with the laws of nature. *Michael Faraday, 1791-1867.*

It is easier to ride on the back of a tiger than to climb off it. *Russian proverb.*

So rested he by the tum-tum tree, and stood awhile in thought. *Lewis Carroll, 1872.*

A tale so free of every doubt, all possible, probable shadow of doubt, all possible doubt, whatever. *William Gilbert, 1889.*

“Is there any point to which you would wish to draw my attention?”

“To the curious incident of the dog in the night time.”

“The dog did nothing in the night-time.”

“That was the curious incident,” remarked Sherlock Holmes.

Arthur Conan Doyle, 1891.

E pericoloso sporgesi. *Ferrovie Italiane, 1936.*

Double think means the power of holding two contradictory beliefs in one's mind simultaneously, and accepting both of them. *George Orwell, 1949.*

“And the people all said, “Sit down, sit down, you're rocking the boat” ”.

Frank Loesser, 1951.

Purification of enzymes may modify their properties, and it is, therefore, essential to investigate the behaviour of enzymes not only in the purified state, but also in the natural environment. *Sir Hans Krebs, 1962.*

The specificity of an inhibitor is inversely proportional to its familiarity.
Horace Davenport, (personal communication) 1962.

The history of medicine records many examples of the persistence of forms of therapy, which owed more to the attractiveness of the tenuous theories underlying them, than to any unequivocal demonstration of their effectiveness. *Harold Hewitt, 1979.*

Cave lacunam. *Vectis Londinii.*

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