
Wetware A Computer In Every Living Cell Dennis Bray

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Wetware | Yale University Press
In Wetware, Bray offers

imaginative, wide-ranging and perceptive critiques of robotics and complexity theory, as well as many entertaining and telling anecdotes. For the general reader, the practicing scientist, and all others with an interest in the nature of life, the book is an exciting portal to some of biology's latest discoveries and ideas.
Bicentennial: Wetware: A Computer in Every Living Cell
"Doo doo, wha woo" . . . an infant's babble projected to an audience of perhaps three hundred academics, listening in solemn attention. The recording came from a laptop computer

on a table, beside which sat a slim man in a dark suit, silently confronting the sea of faces before him. As we listened, the string of nonsense continued.
[Wetware: A Computer in Every Living Cell | Kurzweil](#)
In his book *Wetware: A Computer in Every Living Cell* (2009) Dennis Bray explains his theory that cells, which are the most basic form of life, are just a highly complex computational structure, like a computer. To simplify one of his arguments a cell can be seen as a type of computer,

utilizing its own structured architecture.

[Wetware: A Computer in Every Living Cell: Dennis Bray ...](#)

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Wetware A Computer in Every Living Cell

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Wetware: A Computer in Every Living Cell - Dennis Bray ...

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Wetware: A Computer in Every Living Cell. Dennis Bray ...

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guage of chemistry. Every cell in your body carries with it an abstraction of its local surroundings in constellations of atoms. A basic knowledge of and response to the environment are integral parts of every living cell's makeup. The term wetware is not new, but I think it has not been closely defined before.

[Wetware : a computer in every living cell in SearchWorks ...](#)

Contents/Summary. Cells are built out of molecular circuits that perform logical operations, as electronic

devices do, but with unique properties. Bray argues that the computational juice of cells provides the basis of all the distinctive properties of living systems: it allows organisms to embody in their internal structure an image of the world,...

[Wetware: A Computer in Every Living Cell](#)

At one level, Wetware by Dennis Bray is an easy introduction to systems biology—the relatively new science born from the union of molecular biology with information science. At another, it proposes a model of the cell as a computer, not of the von Neumann kind, but a rather elaborate neural network type of computation system. Wetware computer - Wikipedia

Wetware: A Computer in Every Living Cell (Dennis Bray, not Rudy Rucker) is a short clearly guided tour on the analogies between biology and computing. Bray walks the reader through the protein-driven algorithms that generate complex behavior even in single-celled organisms without nervous systems, biological

sensory mechanisms,
cellular
communications, and
the basics of neurons.

Wetware: A Computer in
Every Living Cell by Dennis
Bray

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A Computer in Every
Living Cell - Krusch

Wetware A Computer In
Every

Wetware: A Computer in
Every Living Cell, Dennis
Bray ...

Wetware: A Computer in
Every Living Cell. The
central argument of
Wetware is that an
individual cell contains
thousands of enzymes,
each performing
reiterative, molecular
processes. Enzymes act
similarly to transistors, in
which enzymatic
allostery or competitive
inhibition alters activity,
much like a change in
voltage over a transistor.