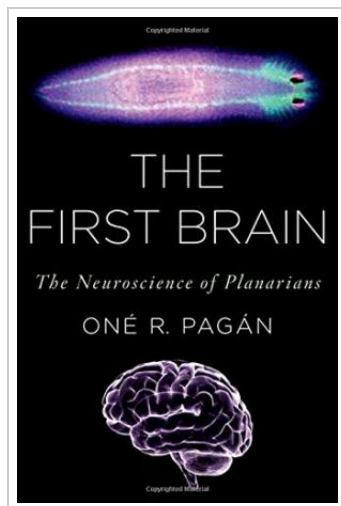




The First Brain: The Neuroscience of Planarians

By One R. Pagan

Oxford University Press Inc. Hardback. Book Condition: new. BRAND NEW, The First Brain: The Neuroscience of Planarians, One R. Pagan, Planarians, a class of flatworm, are extraordinary: they possess the remarkable ability to regenerate lost body parts, including complete regeneration of the nervous system. If cut into pieces, each piece of the planarian can regenerate into a complete organism. They are also unique among invertebrates in that they display addiction-like behaviors to many drugs abused by humans. Because of these distinct neurological traits, the planarian is often used as an animal model in neurological research, being used most recently for developments in neuropharmacology. The First Brain is a discussion of how planarians have been used in neuropharmacology, and what role they have played in scientific developments that have a high impact on our culture. Planarians have been the animal models for research in drug addiction, antidepressant development, and various other topics in biology, neurobiology, and even zoology. Pagan uses these flatworms as a framework to explore the history of biological research. The book provides accessible background information on how biomedical research is impacted by evolution, and defines neurobiology and neuropharmacology in ways that are easy to understand. At the same...



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