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人类脑计划与神经信息学

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了解脑及其功能是21世纪科学的重大挑战之一。神经信息学是神经科学与信息科学相结合的交叉学科。目前的“人类脑计划”旨在加强脑功能的基础研究,并开发用于分析、整合、合成、建模、模拟与提供各种数据的工具。中国应参与人类脑计划,为发展神经信息学作出贡献。

THE HUMAN BRAIN PROJECT AND NEUROINFORMATICS

Understanding the brain and all of its functions is one of the great challenges of the 21st Century. Neuroinformatics is defined as a new field combining neuroscience and informatics research to develop and apply advanced tools and approaches needed for understanding the brain. A current initiative is the Human Brain Project aimed at augmenting basic research in the field and developing capacities for analysis, integration, synthesis, modeling, simulation and data presentation. China will make a greater contribution to Neuroinformatics.

关键词

人类脑计划(Human Brain Project); 神经信息学(Neuroinformatics); 神经科学(Neuroscience)