

DEPARTMENT OF HEALTH AND HUMAN SERVICES  
NATIONAL INSTITUTES OF HEALTH

21<sup>st</sup> Century Cures

Witness before the  
House Energy and Commerce Committee  
Subcommittee on Health

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Drug Administration (FDA), in this effort to revolutionize our understanding of the most complicated biological structure in the known universe, the human brain. This multiyear initiative will produce a clearer, more dynamic picture of how individual cells and neural circuits interact in both time and space. By measuring activity at the scale of neural networks in living organisms, we can begin to decode sensory experience and, potentially, even memory, emotion, thought, and consciousness. Ultimately, the technologies developed within the BRAIN Initiative may help reveal the underlying pathology in a vast array of brain disorders and provide new therapeutic avenues to prevent, treat, and cure neurological and

arthritis.





networks. Studies that go beyond a single site are often able to recruit more individuals from diverse populations. These multi-site studies can often generate important results in less time. However, working through IRB review at each site can delay initiation of the research without increasing the

