

Amended

ASACR 8

Office of the President
June 24, 2016

Members, Board of Trustees:

ESTABLISHMENT OF THE INSTITUTE FOR BIOMEDICAL INFORMATICS:
OFFICE OF THE PROVOST

Recommendation: that the Board of Trustees approve the establishment of the Institute for Biomedical Informatics, in the Office of the Provost, effective July 1, 2016.

Background: The Institute for Biomedical Informatics (IBI), a multidisciplinary research institute, whose mission is to translate data to knowledge to improve human health and effectively use the latest technology and tools for the advancement of biological sciences. The IBI will promote translational team science and engage the entire campus to develop and grow informatics and data science training programs; share research and data infrastructure; and enable technology innovation.

The Institute will be a nexus for informatics research. The progressively routine acquisition of multiple types of data in healthcare (e.g., computational genomics, proteomics, neuroscience and imaging, drug discovery, and complex health modeling) has created numerous opportunities as well as challenges in the interpretation and analysis of data. The emerging academic discipline of data science, covering the entire lifecycle of data collection, data curation, data annotation, data provenance, data integration, data exploration, data sharing, meaningful use, and bioinformatics analytics, has the potential to broadly-enable not only healthcare but also traditional disciplines in engineering, computational, and mathematical sciences.

The proposal has been reviewed and recommended by the Senate Committee on Academic Organization and Structure and the Senate Council; and endorsed by the University Senate. The Vice President for Research and Provost of the University supports this recommendation.

Action taken: Approved Disapproved Other _____