Michael J. Moore is an award-winning professor of biomedical engineering at Tulane University. He is the chairperson of the Bioengineering of Neuroscience, Vision and Low Vision Technologies (BNVT) Study Section of the Center for Scientific Review. His appointment runs through June 30, 2022.

Moore has served as a member of the BNVT study section for the past four years. The group reviews applications to develop and utilize bioengineering, materials engineering and computational approaches for studying the development, structure, function or pathology of the brain.
nervous system. BNVT covers a wide range of technologies as applied to neural systems and to all
tissues of the eye.

Membership on a study section represents a major commitment of time and an opportunity to
contribute to the national biomedical research effort. Members are selected on the basis of their
achievement in their scientific discipline as evidenced by the quality of their research
accomplishments, publications in scientific journals and other significant scientific activities,
achievement and honors.

“Our study section reviews virtually all proposals that feature some technological advance applied
to the nervous system or visual system,” Moore said. “We review proposals ranging from neural
prostheses and brain-machine interfaces, electrical simulation for treatment of neurological
disorders, to stem cell therapies applied to the brain, spinal cord, retina, or peripheral nerves.”

The study section also reviews proposals related to neural microphysiological systems or living-cell-
based models of nervous system disorders in a petri dish, which is Moore’s area of expertise.

Moore’s lab at the Tulane School of Science and Engineering works on developing in vitro models
of neural growth, physiology and disease by manipulating the chemical and physical extracellular
microenvironment. Moore and his team use a variety of microengineering technologies such as
microscale tissue engineering, novel nanomaterials, microfabrication, and digital light projection
microscopy.

He has received numerous honors including the Weiss Presidential Undergraduate Teaching
Fellowship in 2019, the Tulane Innovation Fund Award in 2018, the *Insight Into Diversity* magazine
Inspiring Leaders in STEM Award in 2017 and the Tulane Brain Institute Marko Spark Fund Award
in 2016.