“LINKING EDUCATION AND NEUROSCIENCE: THE FOUNDATIONS OF A NEW FIELD”

KAVLI FOUNDATION LECTURER

EDWARD HUBBARD
PH.D., ASSISTANT PROFESSOR, UW-MADISON

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4:00 PM
BIOTECHNOLOGY AUDITORIUM 1111
GENETICS & BIOTECHNOLOGY CENTER
(425 HENRY MALL)

Recently, educators, neuroscientists, policy makers and even the general public have expressed a great deal of excitement about the possibility of using findings from neuroscience to improve educational outcomes. Fundamental research is examining questions like, "How do brain systems support learning?" and, "How are brains modified by educational experiences?" but it still remains unclear whether brain scans can impact lesson plans. In this talk, I will present the case for cautiously bringing these fields together, to help create a new field, Educational Neuroscience. While important theoretical and empirical issues remain, there are also numerous emerging points of contact, and emerging signs of success. I will present some examples from my own work in understanding the cognitive and neural mechanisms of basic arithmetic, and suggest some avenues for future directions.

For additional information or questions, contact Tera Holtz at tholtz@wisc.edu or 262-4932

Refreshments will be served in the Biotechnology Atrium at 3:30 p.m.

The Neuroscience and Public Policy Seminar Series is supported by the Kavli Foundation.