

Annual Kavli Lecture Trondheim 2010:

# Mark Bear, MIT

## A cure for fragile X?

Fulfilling the promise of molecular medicine in a developmental brain disorder

18 March

18:00

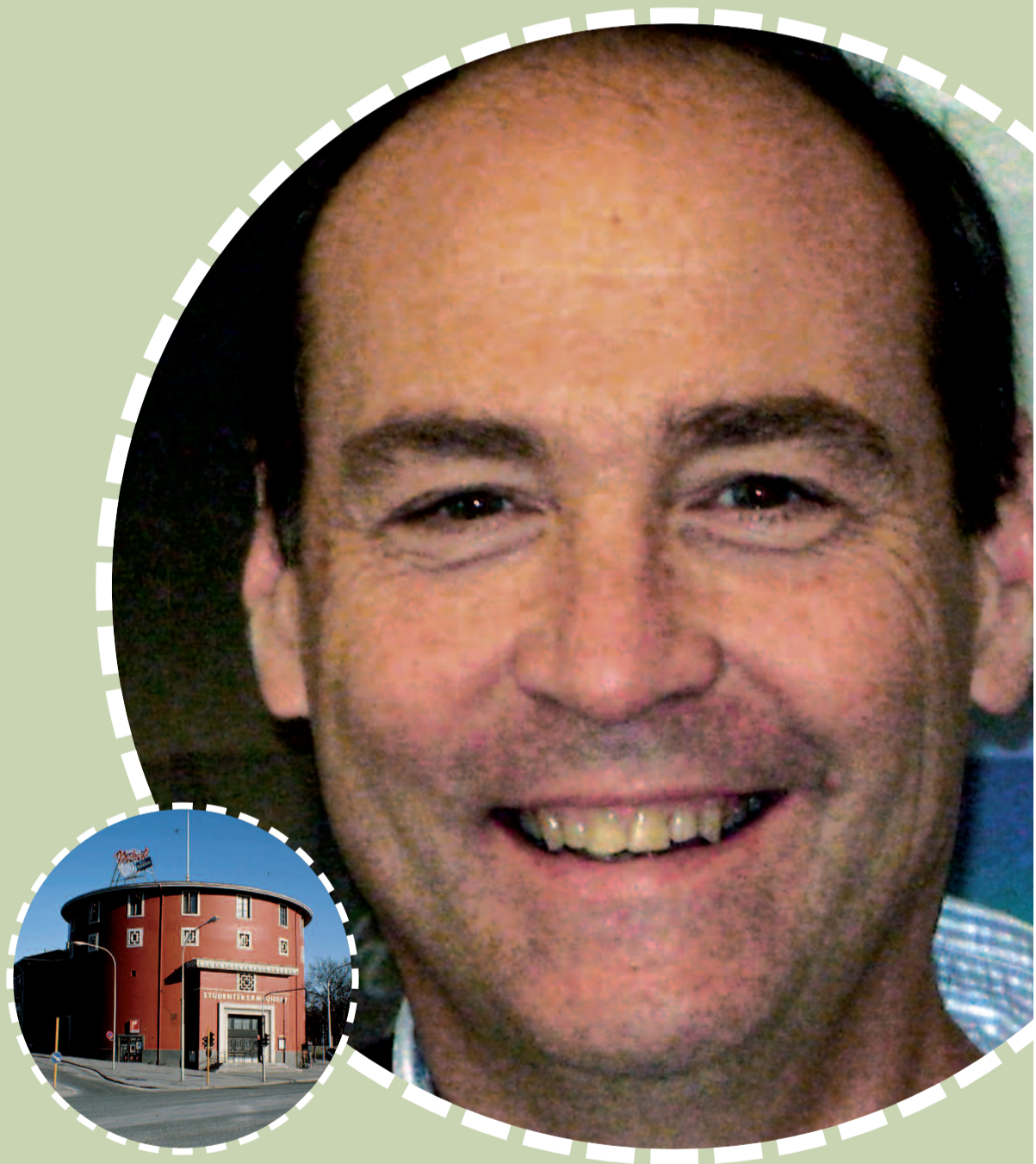
The Student Society Building

Proper brain function requires the sculpting of connections between neurons during early postnatal life. Synapses are formed and strengthened, weakened and lost, under the influence of sensory experience. Over four decades of research on visual cortex have culminated in a deep understanding of the mechanisms responsible for whittling away inappropriate synaptic connections. Insights derived from this line of research have recently suggested the remarkable possibility of new treatments – and possibly a cure – for fragile X syndrome, the most common inherited form of human mental retardation and autism.

Dr. Bear is a Howard Hughes Medical Institute Investigator and is the Picower Professor of Neuroscience at the Picower Institute for Learning and Memory and the Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology.

**THE LECTURE IS FREE**

Hosted by: The Kavli Institute for Systems Neuroscience



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