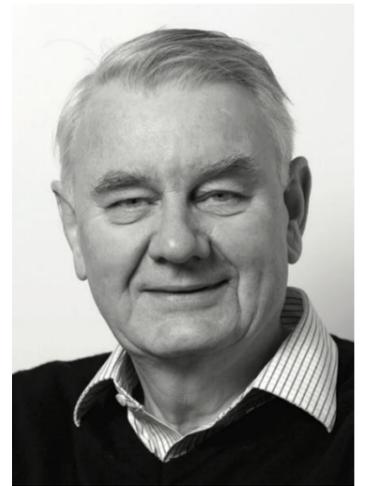




# OPEN LECTURE March 3<sup>rd</sup>, 2022



Prof. **TERJE LØMO**

Physiology section, IMB, University of Oslo

## *Long term potentiation (LTP): Essential in forming interconnected assemblies of engram cells for learning and memory.*

Thursday, March 3rd, at 12.00-13.15

Runde Auditorium, *Domus Medica* (next to Rikshospitalet and Gaustad Hotel)

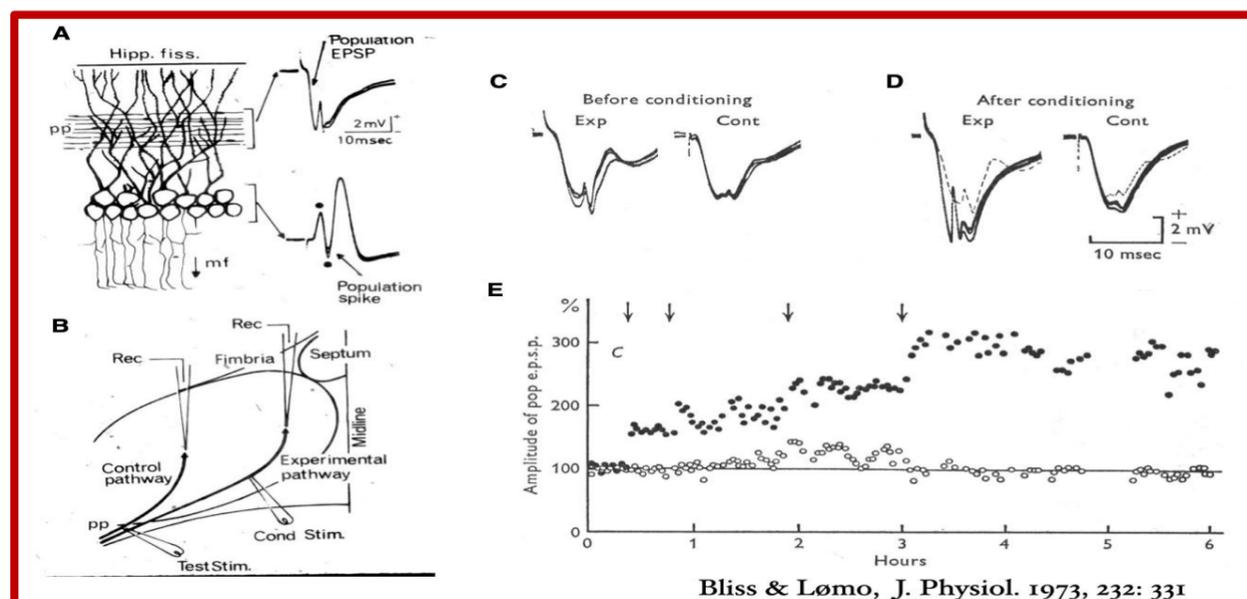
Terje Lømo will lecture about his landmark discovery and first description of *long term potentiation (LTP)* in 1966 and 1973, and the wide range of research that has followed from it. LTP is one of the most important discoveries in modern neuroscience, providing a leading model of learning and memory in the brain, and the best example of Hebb's rule: "Cells that fire together wire together."

12.00 Johan Storm, UiO: *Welcome*

12.05 Jens-Petter Berg, Research Dean, The Medical Faculty, UiO: *Introduction*

12.10 Edvard Moser, NTNU: *On the importance of Terje Lømo's research*

12.15-13.15 Terje Lømo's lecture



From  
**Bliss & Lømo,**  
*Journal of  
Physiology,*  
**1973**

**Terje Lømo** (born 1935 in Ålesund) is a Norwegian neurophysiologist, known for his studies on synapses, in particular synaptic plasticity. His discovery of long-term potentiation, along with Tim Bliss, is regarded as a fundamental work in neurophysiology. He was awarded the Medical prize of Anders Jahre (2003), is Commander of the Order of St. Olav (2009) and a fellow of the *Norwegian Academy of Science and Letters*.

**References:** Lømo T (1966) Frequency potentiation of excitatory synaptic activity in the dentate area of the hippocampal formation. *Acta Physiol. Scand.* 68(Suppl. 277), 128.

Bliss T & Lømo T (1973) Long-lasting potentiation of synaptic transmission in the dentate area of the anaesthetized rabbit following stimulation of the perforant path. *J. Physiol.* 232, 331–356.

Lømo T (2018). Discovering long-term potentiation (LTP) recollections and reflections on what came after. *Acta Physiologica.* 222, DOI: 10.1111/apha.12921 ISSN 1748-1708.

**All are welcome**

Johan F. Storm, Svend Davanger, Vidar Jensen, Jørgen Sugar