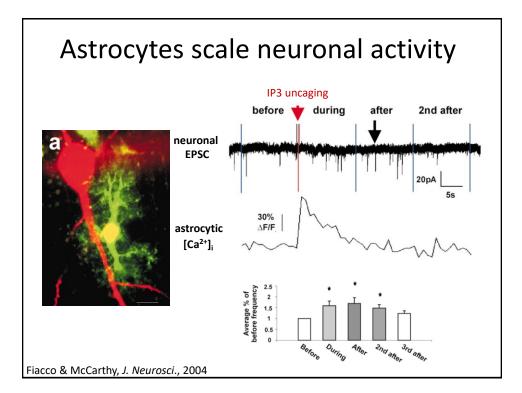
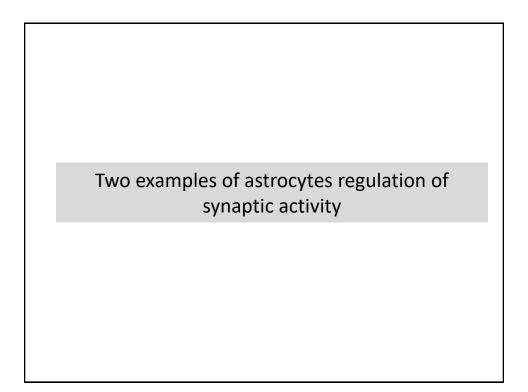
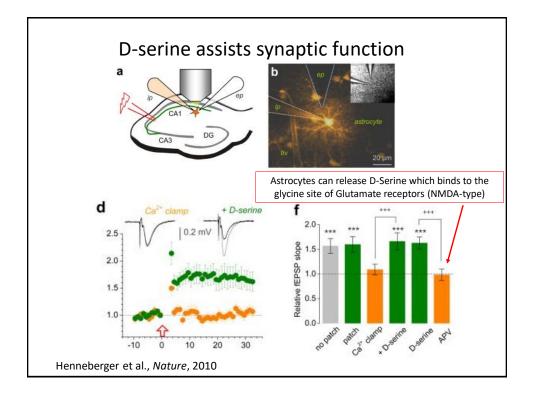
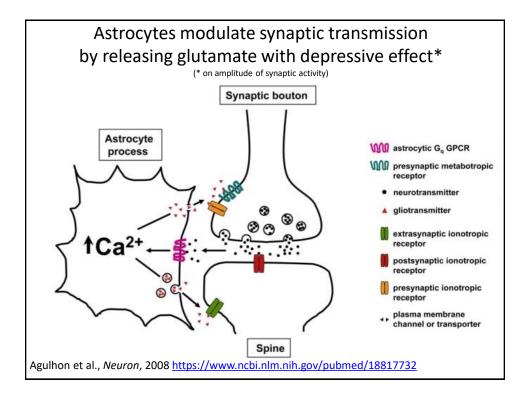


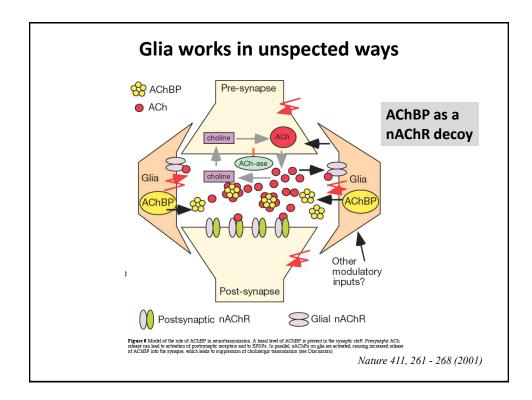
Han et al., Cell Stem Cell, 2013

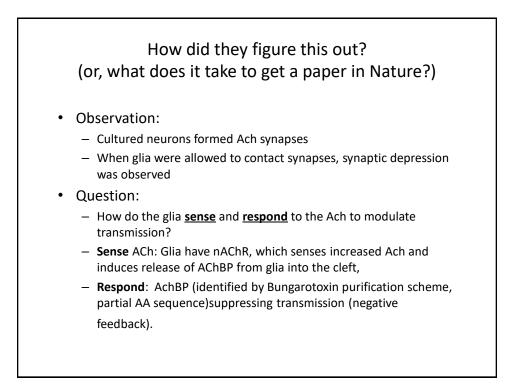


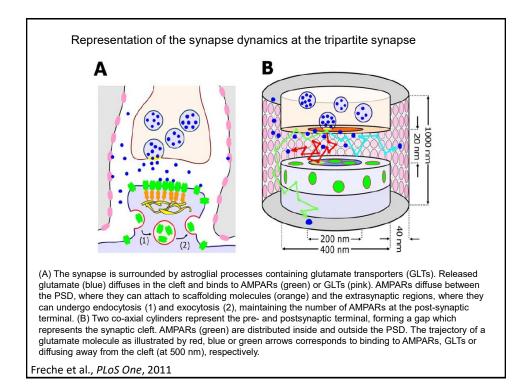


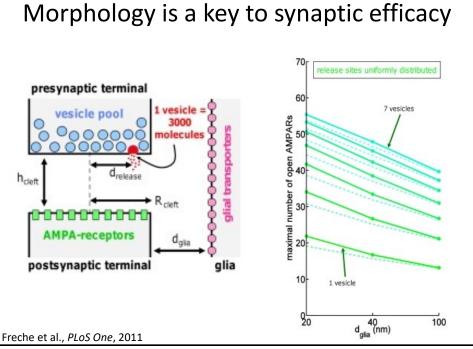


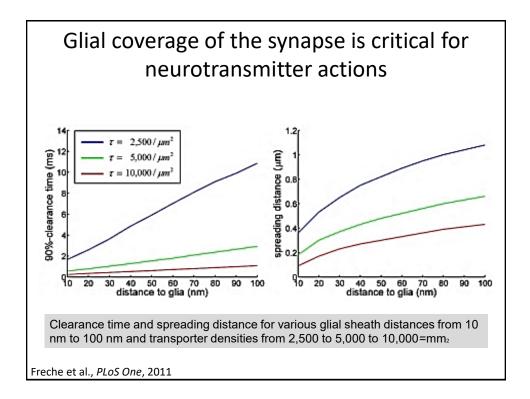


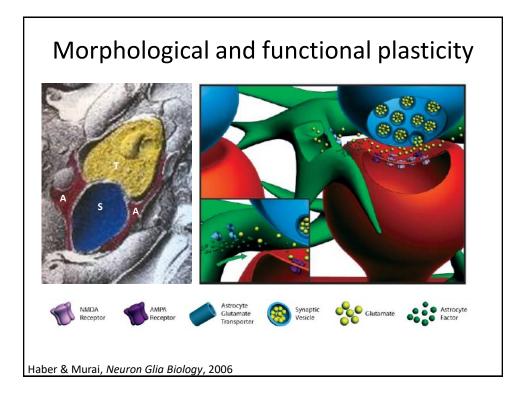


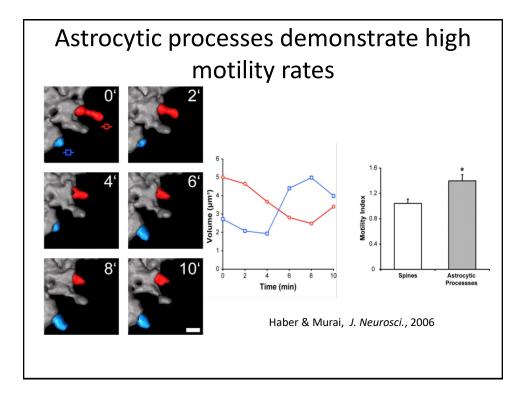


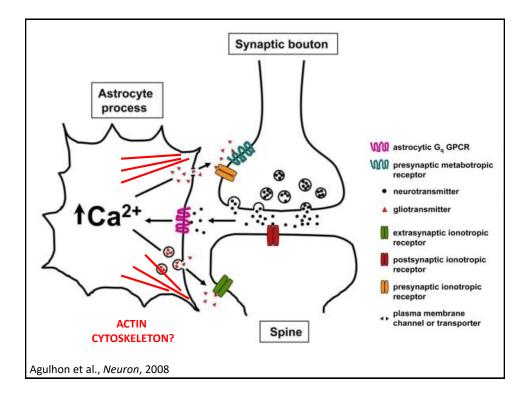


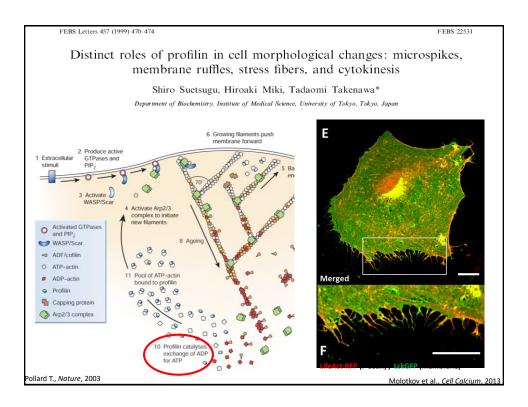


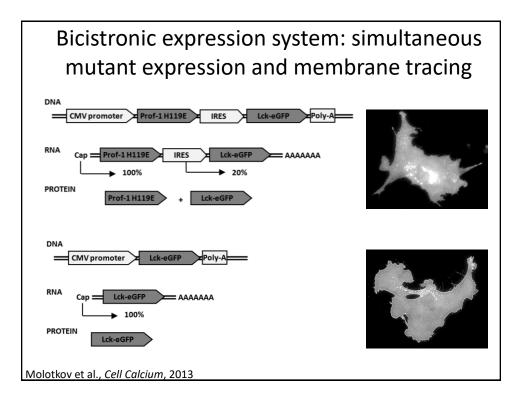


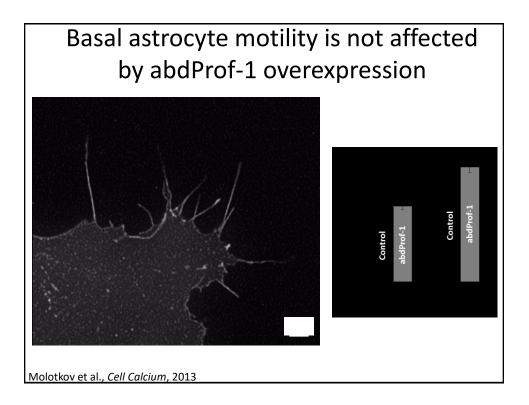


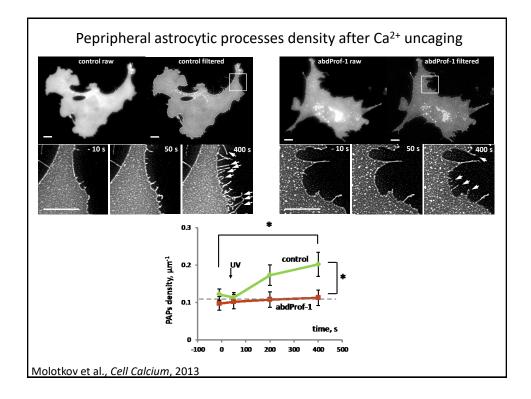


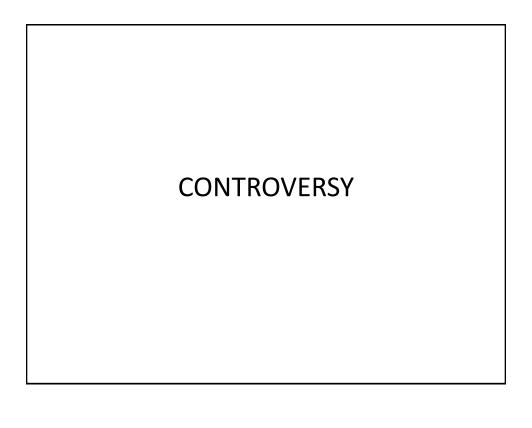


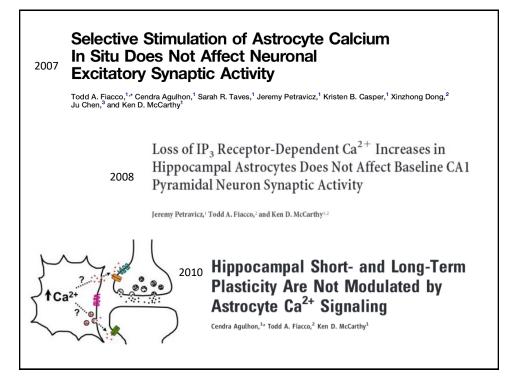






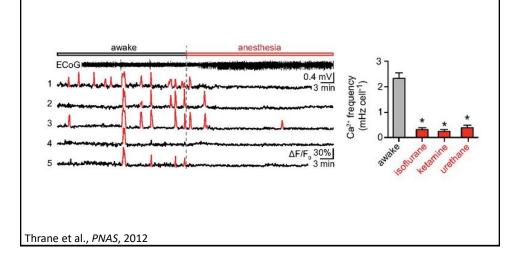


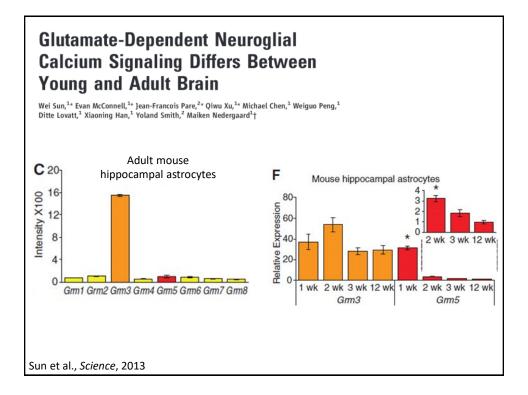




## General anesthesia selectively disrupts astrocyte calcium signaling in the awake mouse cortex

Alexander Stanley Thrane<sup>a,b,c,1,2</sup>, Vinita Rangroo Thrane<sup>a,b,c,1</sup>, Douglas Zeppenfeld<sup>a</sup>, Nanhong Lou<sup>a</sup>, Qiwu Xu<sup>a</sup>, Erlend Arnulf Nagelhus<sup>b,c</sup>, and Maiken Nedergaard<sup>a</sup>





## Conclusions

- Glial cells are able to talk to neurons but their tone depends on situation.
- Morphology and functionality of synapses as well as current internal state of individual synaptic components should be considered in order to understand the role of astrocytes in synaptic function.