

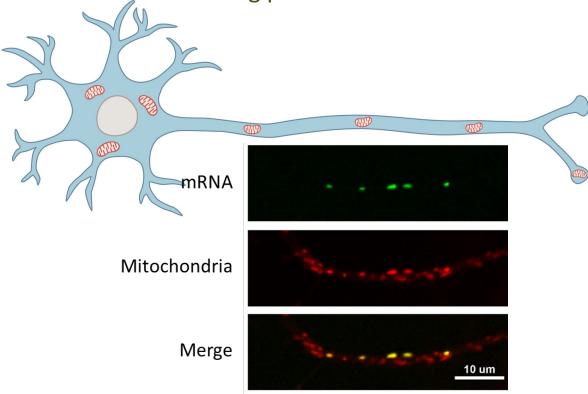
mRNA expression regulation: Factors and mechanism

Yoav Arava https://aravalab.net.technion.ac.il/

mRNA association with neuronal mitochondria

Research projects:

- Mitochondria as a general mRNA shuttle in axons
- Role of RNA binding proteins in association

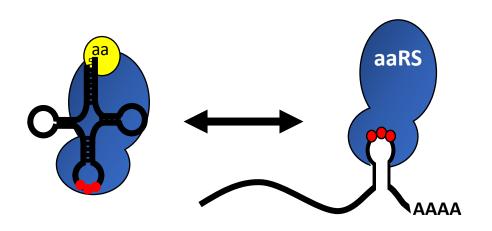


- Oknin-Vardi abd Arava Y. Front. Cell Dev Biology 2019
- Cohen B. et al. BioRxiv 2021

Aminoacyl tRNA synthetases (aaRS) association with mRNA

Research projects:

- RNA structure and modifications as common denominator between RNAs
- Impact of aaRS binding on translation level



- Levi O. and Arava Y. PLoS Biology 2019
- Levi O. and Arava Y. NAR 2021
- Garin S, Levi O, and Arava Y. RNA Biology 2021