

Propositions related to:

**CAMK2 and RHEB1 Mutations Associated with Intellectual Disability and Epilepsy**

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- 1) In contrast to the suggestion that CAMK2 in dendritic spines serves as a scaffold, loss of CAMK2 does not affect the molecular composition of the postsynaptic density (*this thesis*)
- 2) CAMK2A and CAMK2B are required for normal human brain functioning (*this thesis*)
- 3) The presence of a nuclear localization signal in a protein does not exclude a cytosolic function (*this thesis*)
- 4) Dysfunction of only a small number of neuronal cells can have a dramatic impact on the function of the whole brain (*this thesis*)
- 5) While the role of the mTOR signaling in brain development is well established, the developmental role of the CAMK2 family is only starting to be uncovered (*this thesis*)
- 6) In a world facing new and global environmental, health and technological challenges, a multidisciplinary and cooperative approach, in combination with an open mind, can reveal new paths for scientific investigation
- 7) Reflecting on the words of Carl Sagan who said that “*we’ve arranged a civilization in which most crucial elements profoundly depend on science and technology*”, it is essential to increase the public awareness on the benefits of research and to invest in new ways to communicate to the public what we do as scientists
- 8) Despite the fact that we share half of our genes with the banana, the uniqueness of the human brain is carved in our genes
- 9) Best science is done after 5 pm and during the weekend; best ideas come with beers
- 10) An approximate answer to the right problem is worth a good deal more than an exact answer to an approximate problem (*John Tukey*)
- 11) Aut viam inveniam aut faciam (Latin proverb attributed to *Hannibal*)