

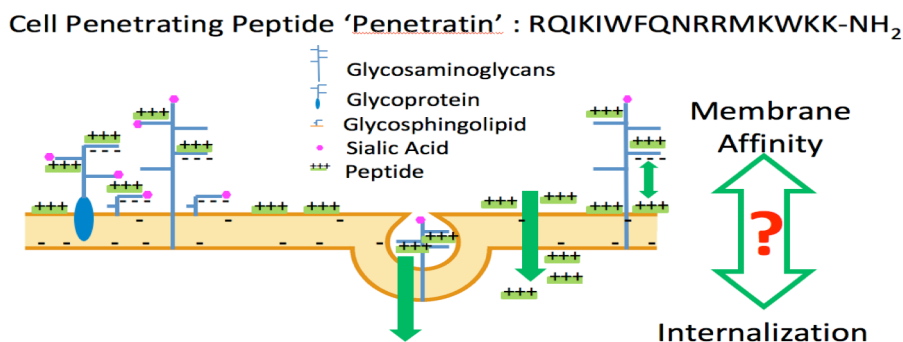
Monday, October 29th, 2018 – 12h15
 Department of Physiology, Bugnon 7, 1005 Lausanne
 Seminar room, 6th floor

Ins and outs of cell-penetrating peptides

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Host : Prof. Christian Widmann



Cell-penetrating peptides have the unique ability to pass biological membranes and are promising drug delivery systems. These peptides are mainly pure cationic or amphiphilic sequences and the question of how they cross biological membranes is still an issue. These peptides can enter cells in two main ways: endocytosis and direct translocation. In all cases, the first step of these two major pathways requires interaction of these peptides with cell membranes. Understanding the molecular and cellular mechanisms of entry of these peptides into cells is one key question that will be highlighted.

References

- A. Walrant, S. Cardon, F. Burlina, S. Sagan, *Acc. Chem. Res.* (2017) 50(12), 2968.
- B. Bechara C, Sagan S. *FEBS Lett.* 2013 Jun 19;587(12):1693-702.