

## S02-1 Purinergic signal transmission and vesicular nucleotide transporter

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Vesicular nucleotide transporter (VNUT), that is responsible for vesicular storage and subsequent exocytosis of nucleotides such as ATP, seems to be a missing link in the purinergic chemical transmission. First of all, I will state the aim of the symposium, and update the studies on the mechanism of ATP secretion from the purinergic cells. Then, I am going to talk our recent studies on the identification of human VNUT, and discuss the significance and usefulness of this transporter in the purinergic chemical transmission.