

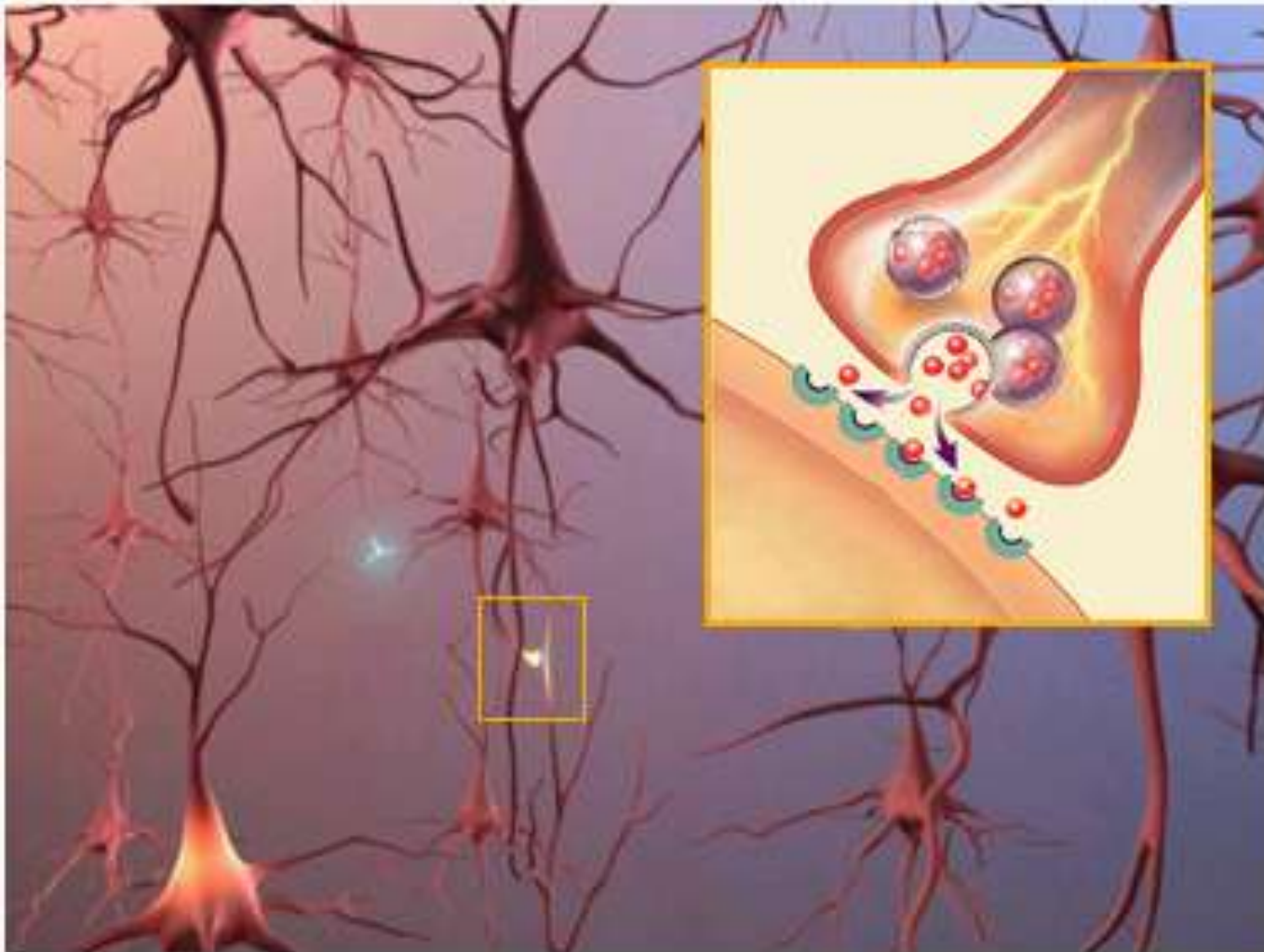
Studium funkce iontových kanálů

RNDr. Jan Krůšek, CSc.

Oddělení buněčné neurofyzologie

krusek@biomed.cas.cz

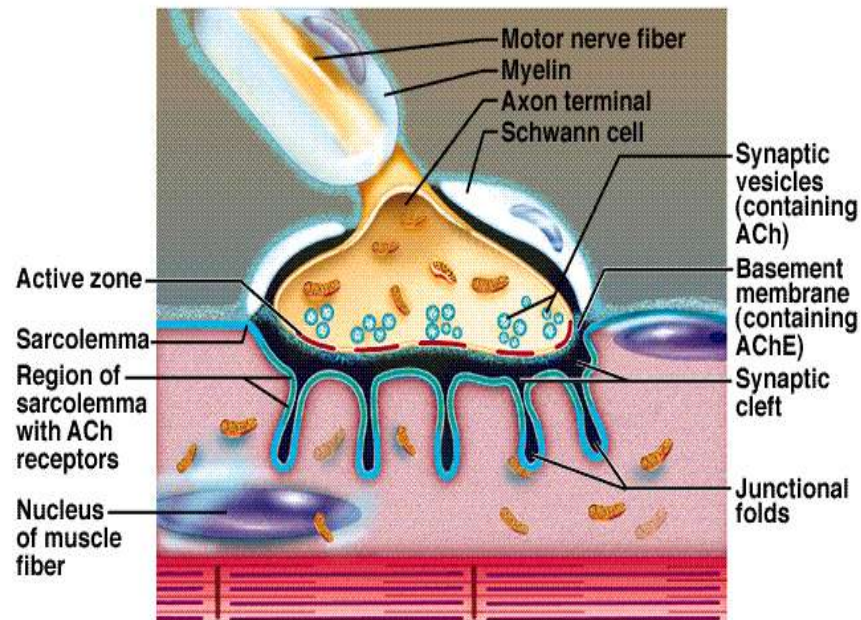
Studium přenosu nervového signálu na molekulární úrovni

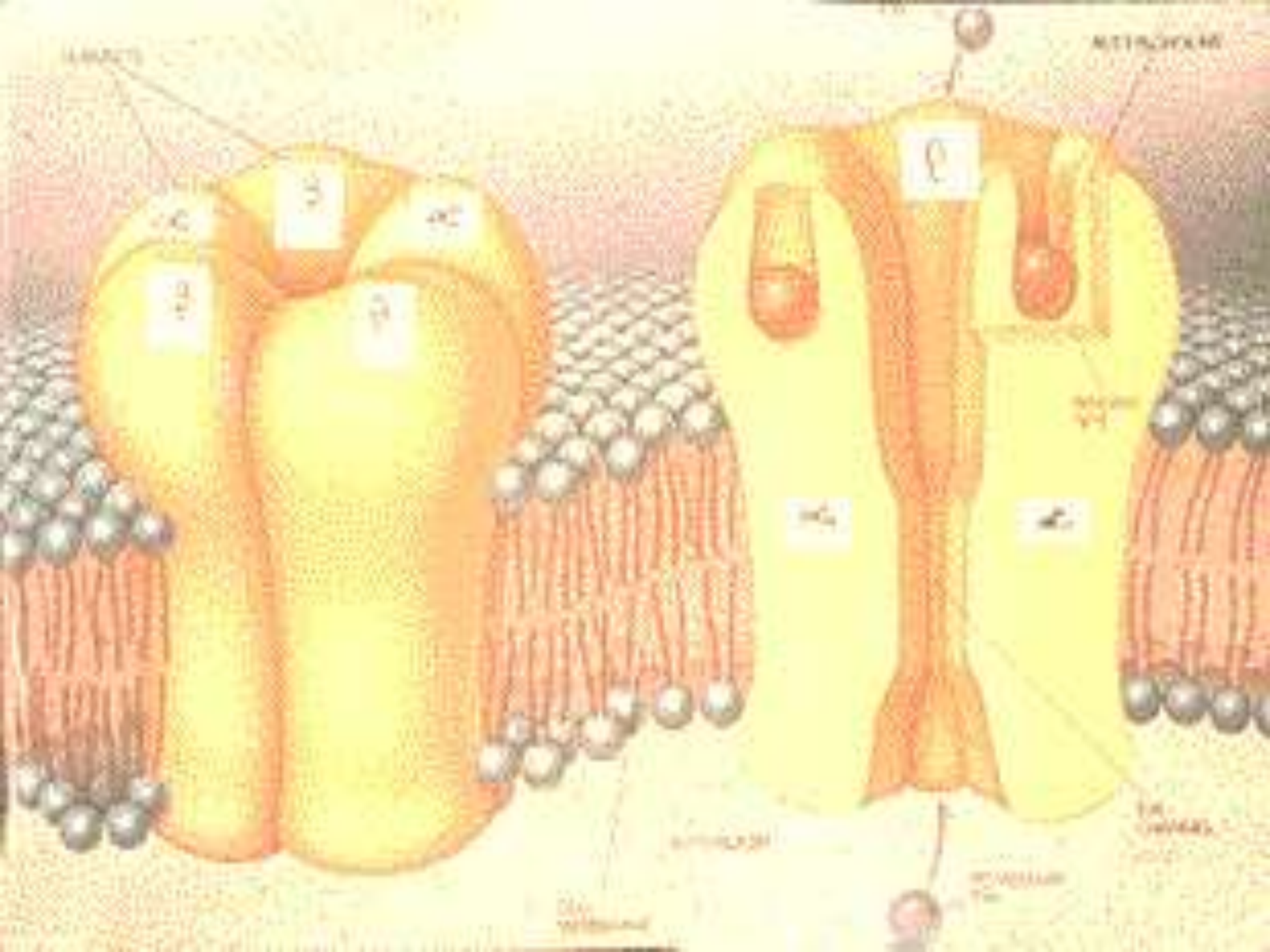


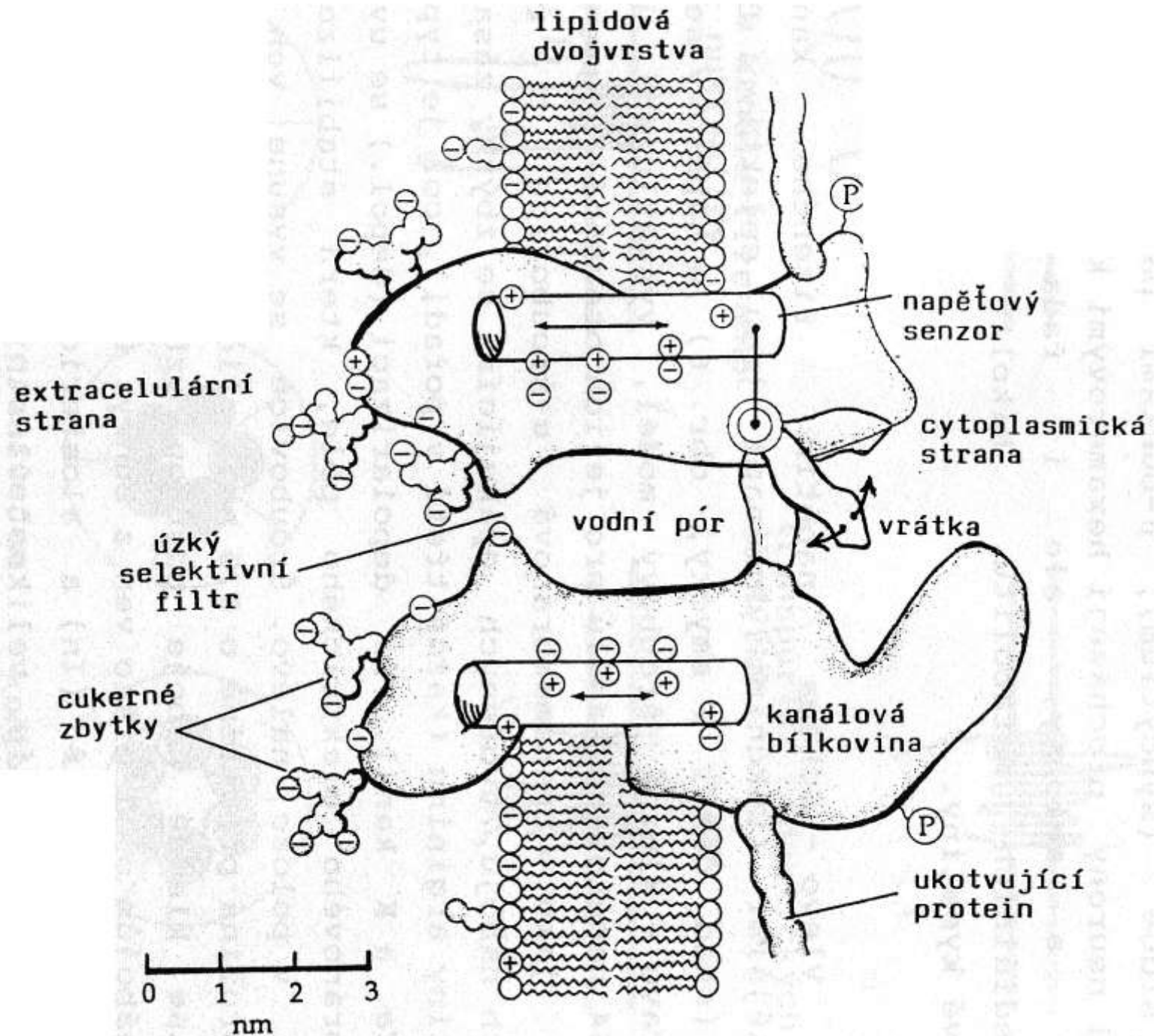
Nervosvalové spojení

Kenneth S. Saladin, ANATOMY AND PHYSIOLOGY: THE UNITY OF FORM AND FUNCTION, Copyright © 1998, The McGraw-Hill Companies, Inc. All rights reserved.

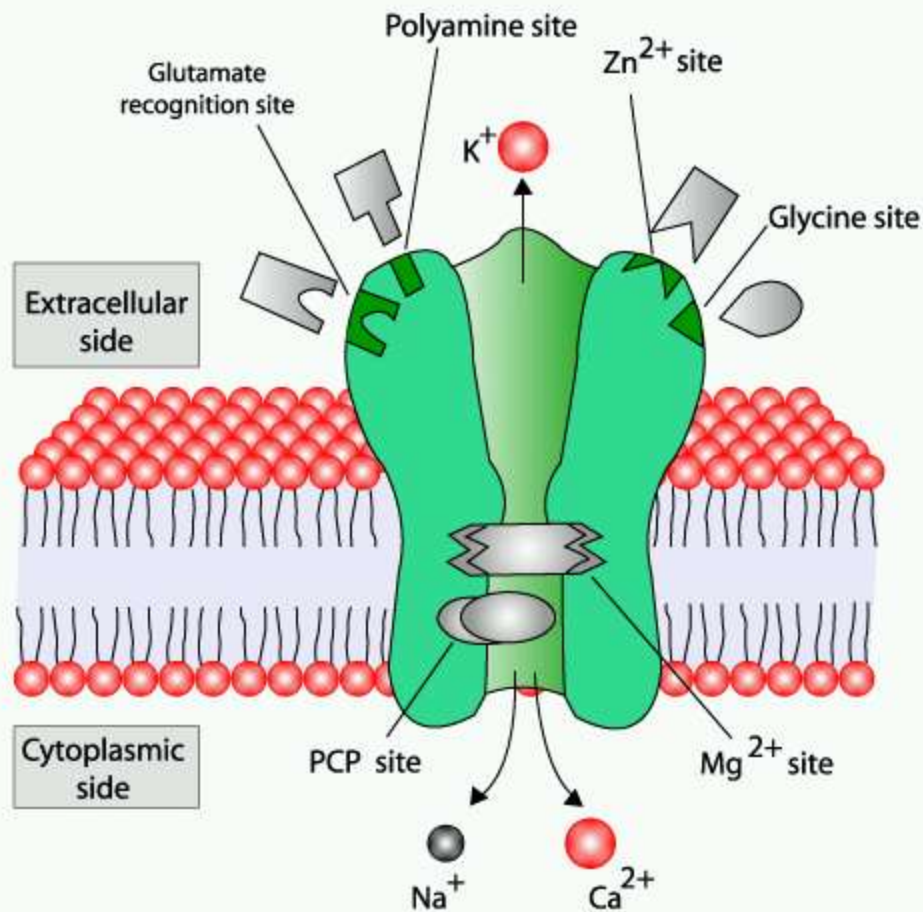
Neuromuscular Junction



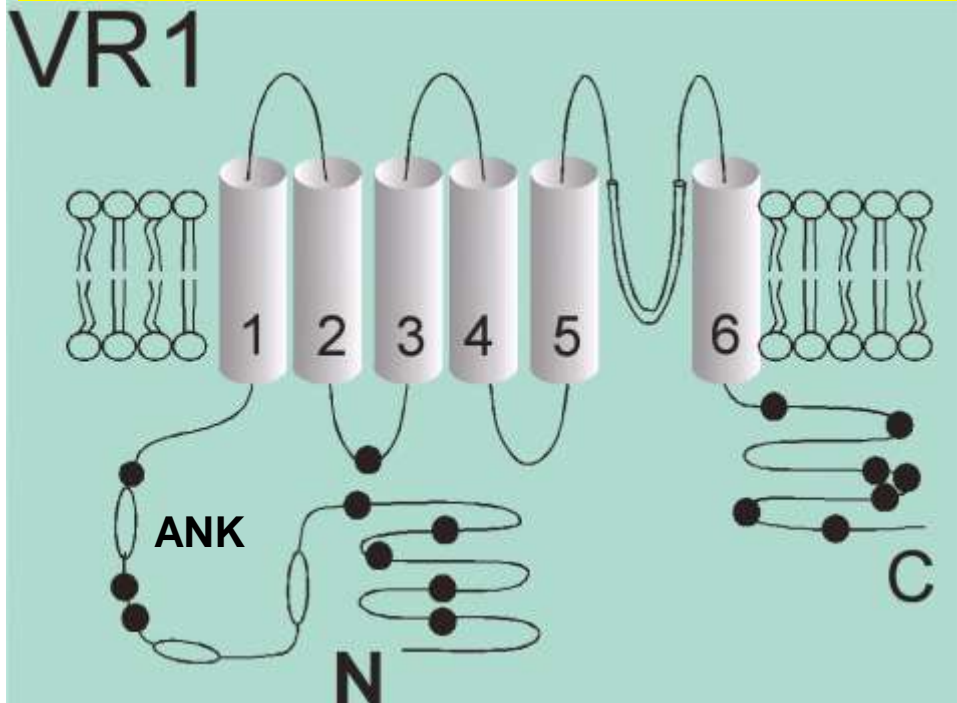




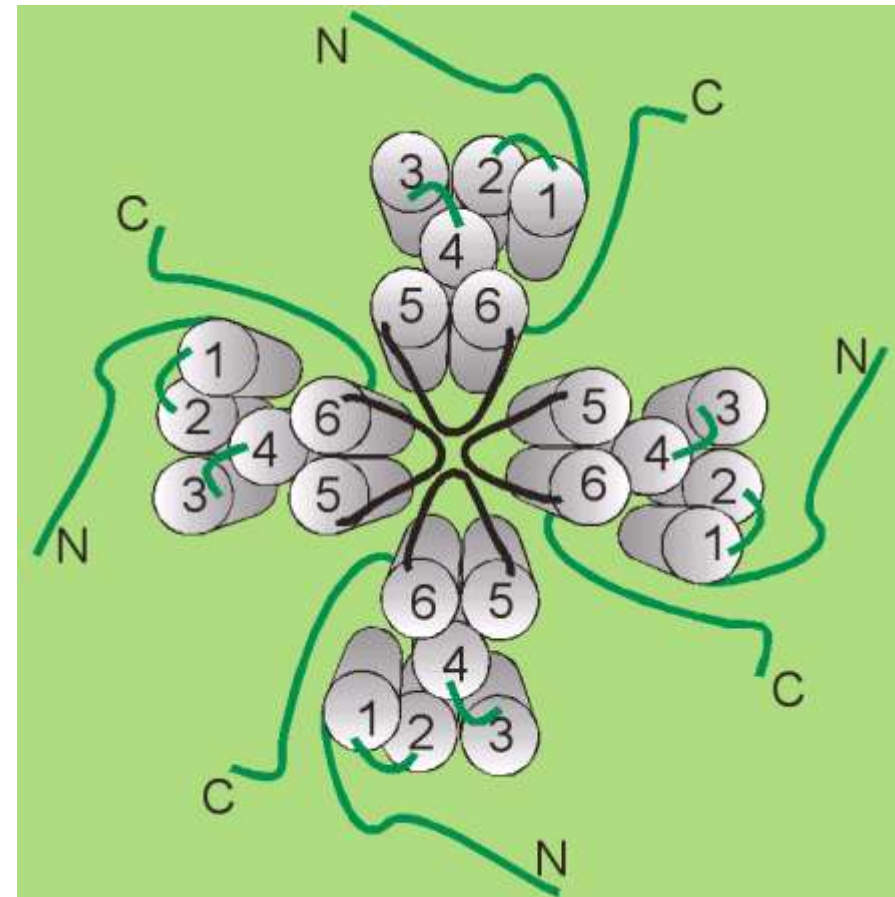
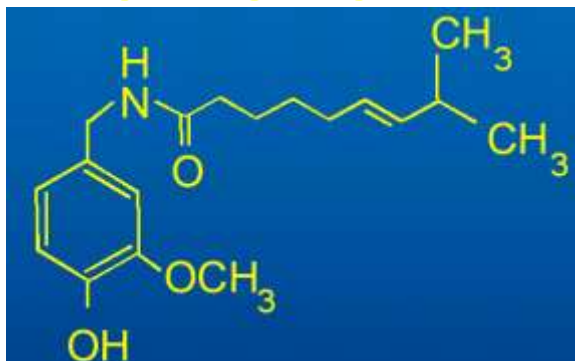
Glutamátové receptory



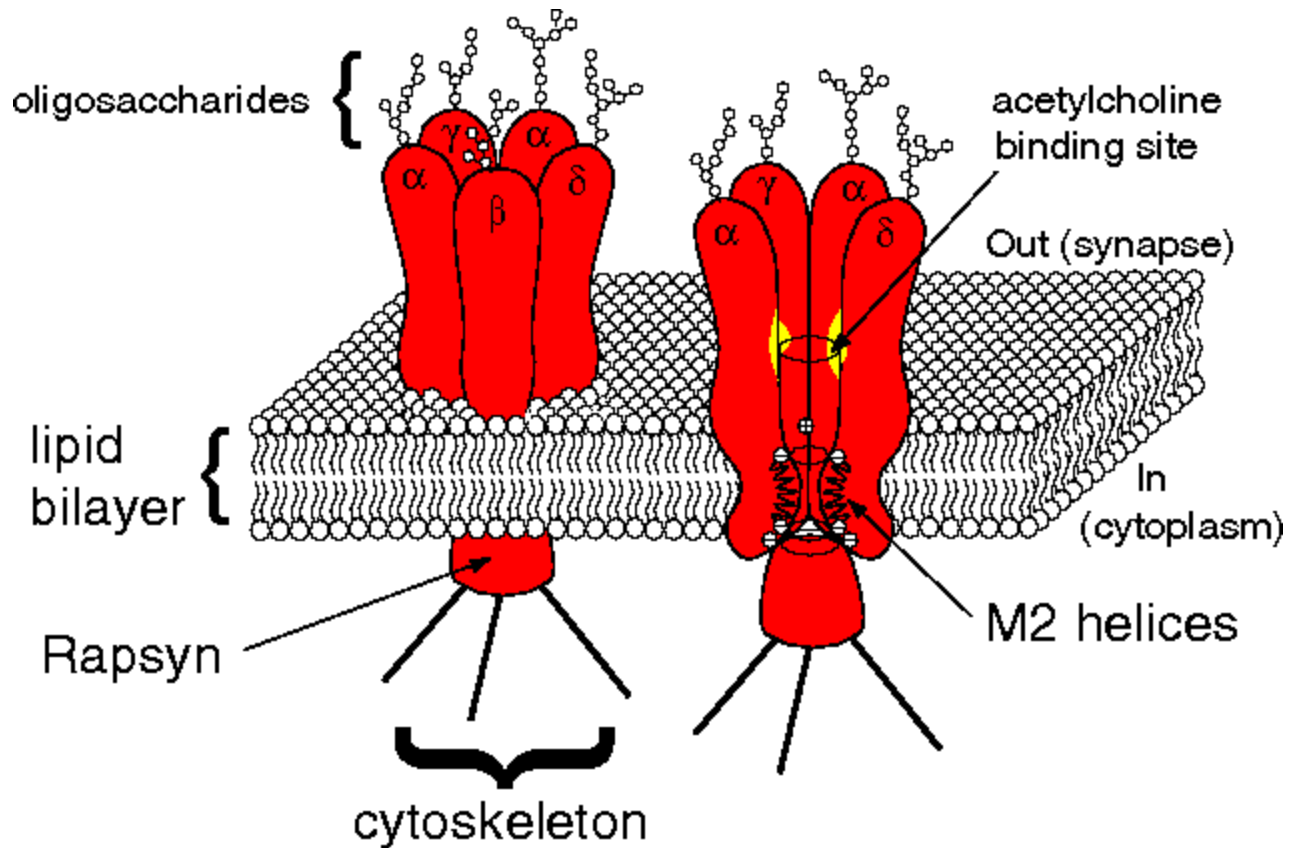
Capsaicinový receptor VR1

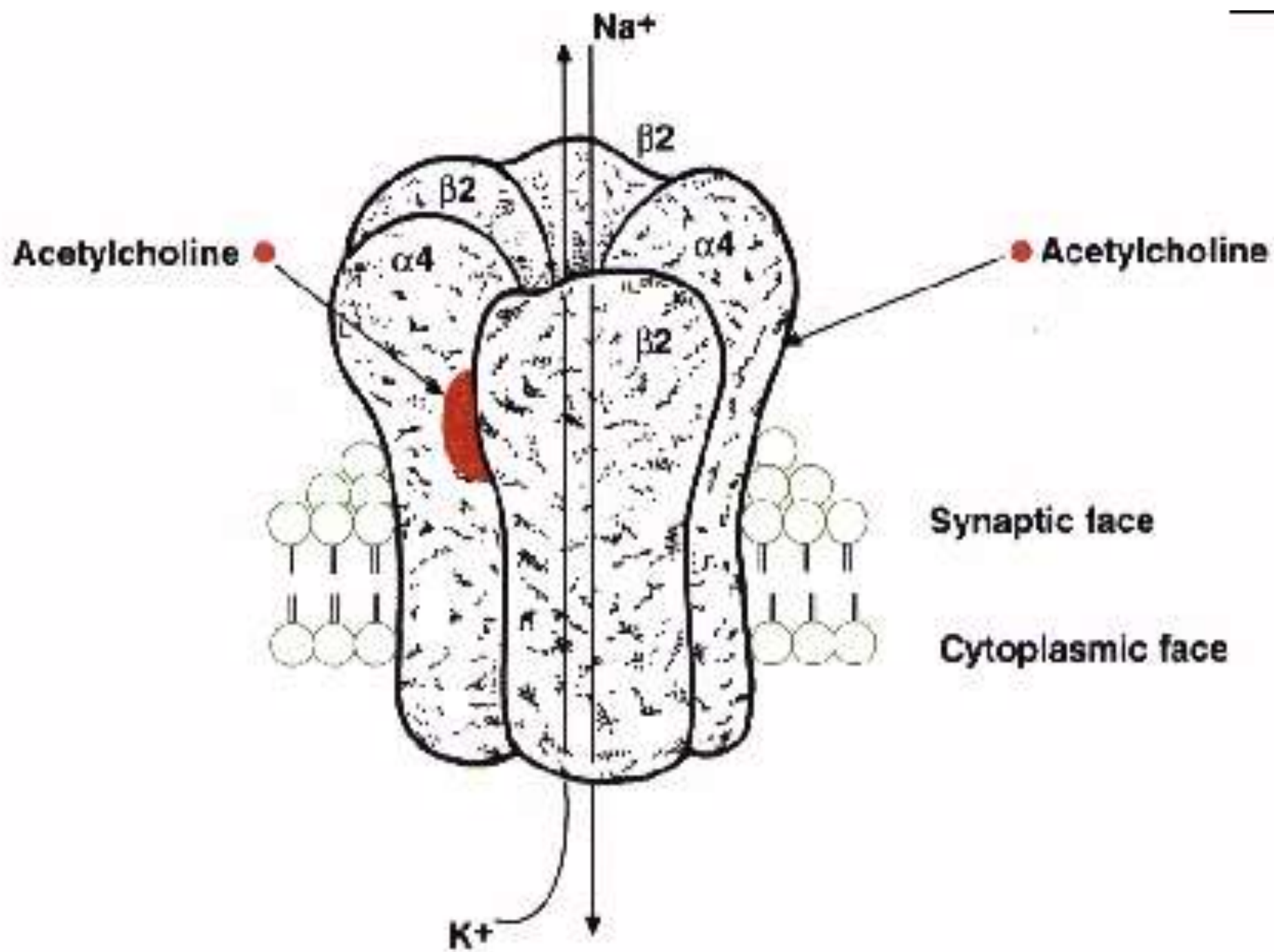


CAPSAICIN



Nikotinové receptory





Patch clamp- terčíkový zámek

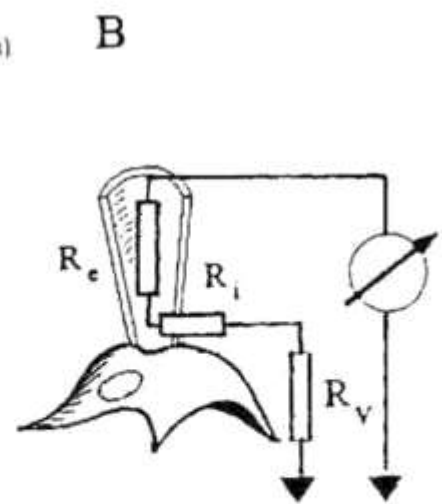
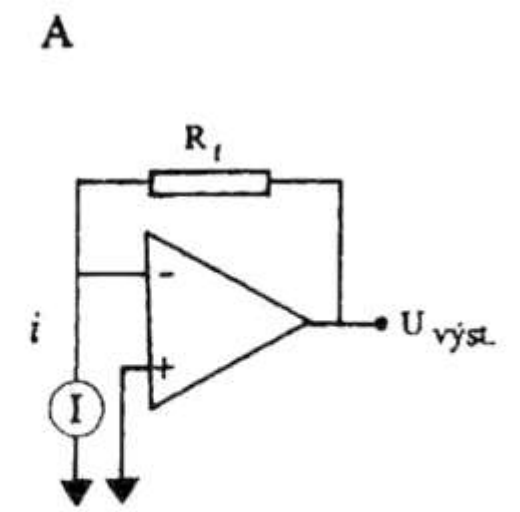
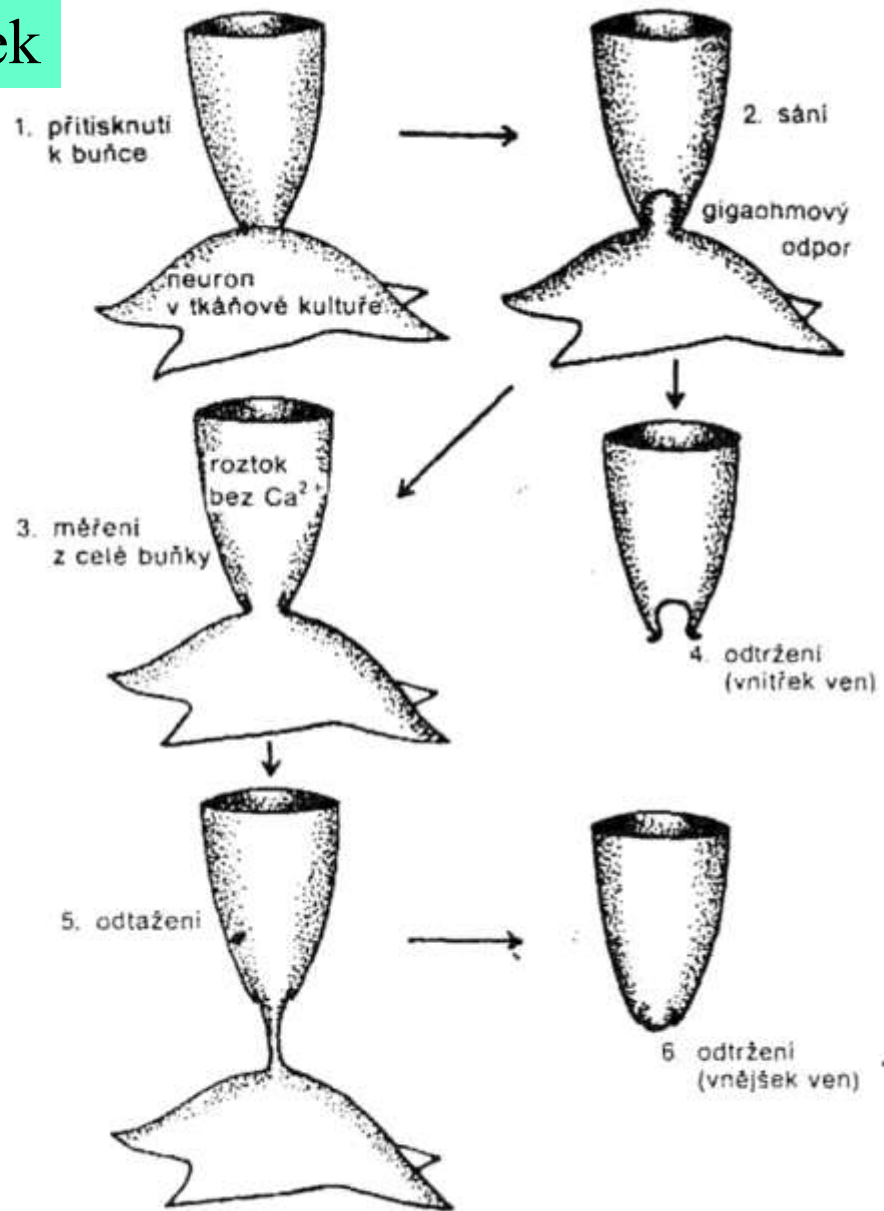
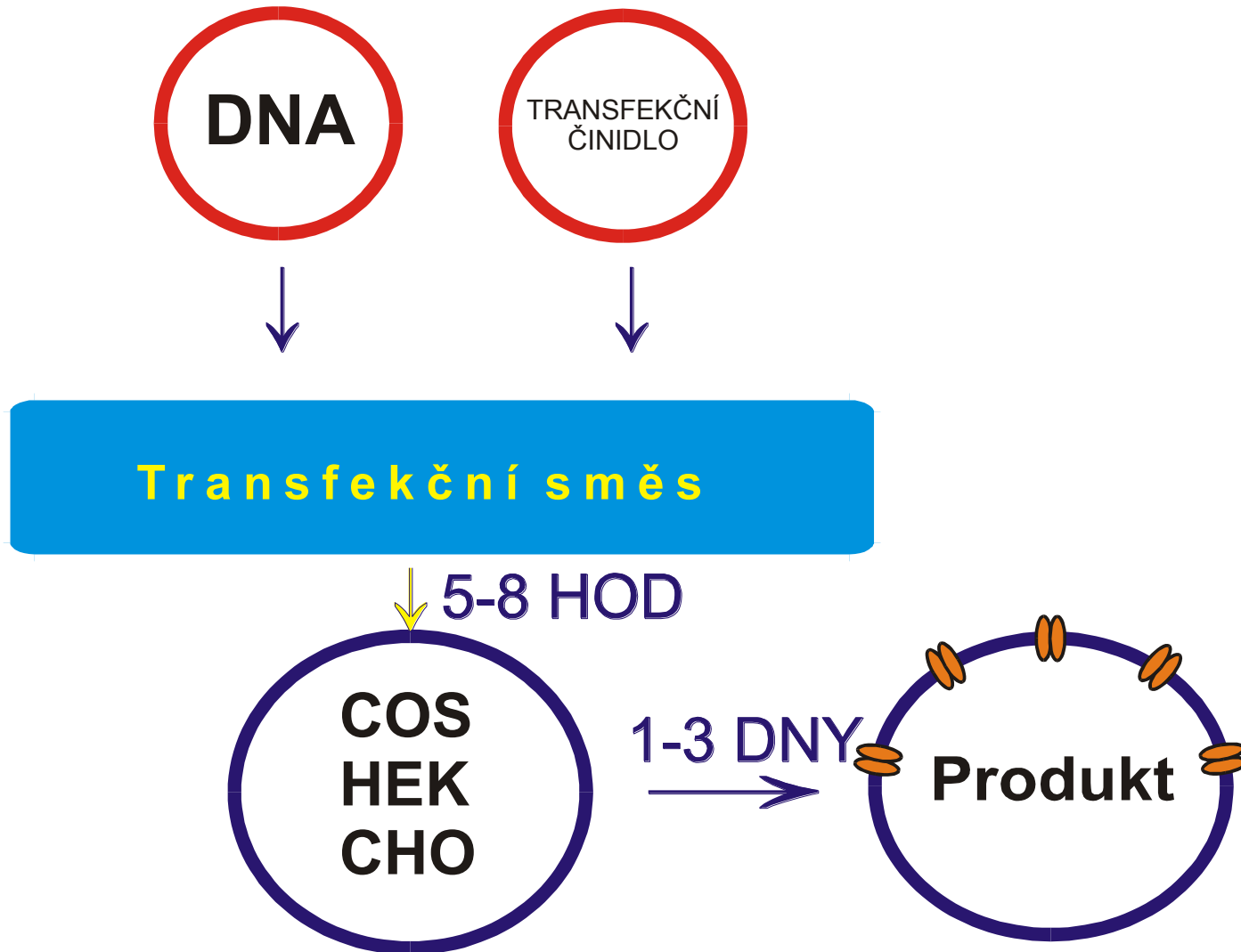
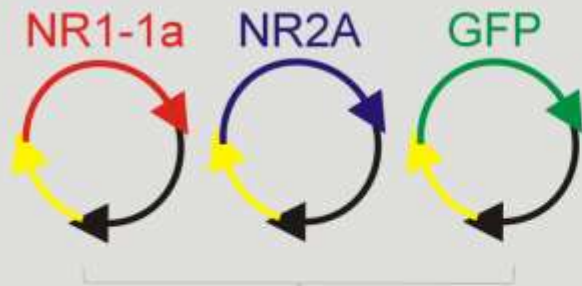


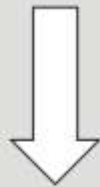
Schéma transfekce



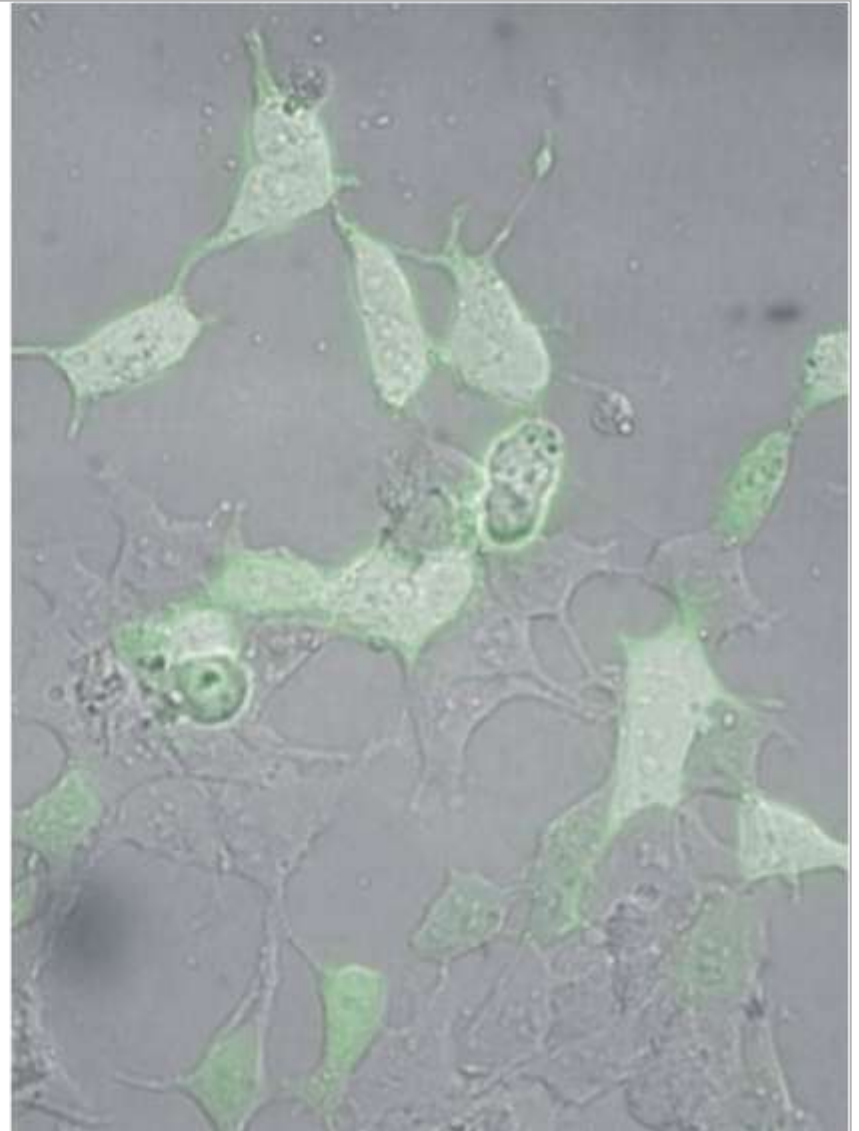
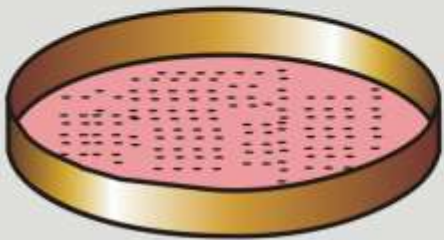
Exprese rekombinantních glutamátových receptorů v HEK293 buňkách



+
LIPOFECTAMINE 2000



HEK 293 cells



Medúza *Aequorea victoria*
původce GFP



0.30



CV-201A HEADSTAGE

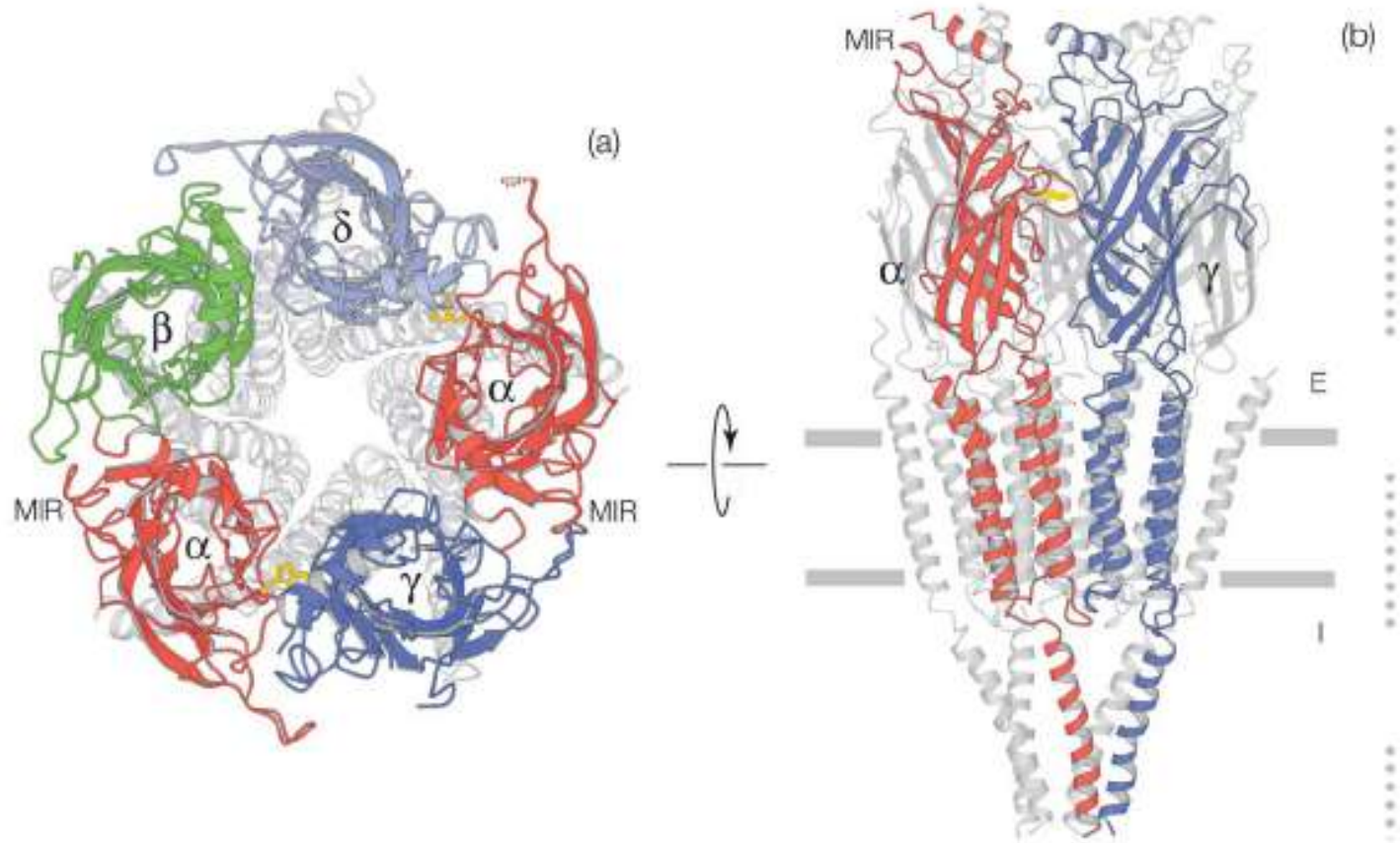
PATCH WHOLE CELL

Axon Instruments

MADE IN USA



Struktura nikotinového receptoru



**Děkuji Vám za
pozornost**