

Průběh obhajoby diplomové práce:

- 1/ Introduction to her thesis / Inst. Biophysic
Ion channels; Ca^{2+} , CRAC Ion channel Group
- 2/ The Patch Clamp technique (Ca released activated Ca^{2+}) / $IP_3 \Rightarrow Ca^{2+}$
HEK cells - transfected \rightarrow a crucial technique \Rightarrow pump out ER
- 3/ CRAC channels - Orai1 and Orai3 mild-type
 \hookrightarrow permeable for Na^+ , K^+
STIM1
- 4/ FRET technique & transfer between 2 molecules
- 5/ Orai1 channel - to X-ray structure (Drosophila)

Define: 1/ Confocal laser microscopy; FRET
 2/ Capillary $\approx 1 \mu m$; the Patch Clamp - experiment - first by channel hitting channels
 3/ Constitutively active CRAC channel

Body: **EXCELLENT**
 Klasifikace: **EXCELLENT**

Celková klasifikace: 13/2/2017
 Datum obhajoby:

[Signature]

 podpis předsedy

Hodnocení ústních zkoušek: