

Průběh obhajoby diplomové práce: JANA BERANOVÁ BLK

Tau protein | Jane introduced her thesis on
epitope mapping - a new approach to do that. She worked out
her thesis at a company in the Netherlands

1/ Introduction: β -amyloid, Tau protein - missfolded protein,
Alzheimer's disease

2/ Tau - protein - microtubule binding proteins
 $\Rightarrow$ Hyperphosphorylation $\rightarrow$ Kinases phosphorylate
detachment of the

3/ Aggregation of Tau $\Rightarrow$ neurofibrillary tangles
detachment of the

4/ Recombinant Anti-Tau mAbs
Tangles

Linear epitope mapping: general workflow

Body:

Klasifikace: EXCELENT

Celková klasifikace:

Datum obhajoby: 16/XI



podpis předsedy

Hodnocení ústních zkoušek:

- recombinant rTau
- digestion with endopeptidase
- binding with mAb $\rightarrow$ immobilizing
- separation of bound species / fraction collection
- detection of the peptides by means of MS/ESI

mAb = immobilized
 $\rightarrow$ Protein A