# Introduction

## Chemokines

### CX3CL1

### CXCL12

## Amygdala

### Basolateral amygdala

### Central amygdala

## Neuro-glial interactions

# Aim of the study

Considering described evidence and proposed hypotheses the present studies were focused on two separate but physiologically and functionally related subjects:

* Investigation of …
* Investigatation of …

To address these issues several research techniques were employed: whole-cell patch-clamp and extracellular recordings ex vivo, immunofluorescent and immunohistochemical staining and …

Detailed research objectives addressed in each study, as well as techniques used are listed below:

# Materials and methods

## General

### Ethic approval

### Reagents

## Whole-cell patch-clamp technique in acute brain slices

### Tissue Preparation

### Whole-cell patch-clamp recordings and data acquisition

### Post-recording immunostaining

### Electrophysiological identification and classification of chosen neurons

#### Electrophysiological identification of principal cells in the BLA

#### Electrophysiological identification of late-firing cells in the CeA

#### Electrophysiological identification of regular-firing cells in the CeA

# Results

# Discussion

# Conclusions

# Appendix

# References