

## 生 理 学 (2)

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### 1. 研究概要

#### 1. 哺乳類視床下部および辺縁系機能の解析

1) 麻酔下実験：視床下部および辺縁系ニューロンの特性，神経回路網などの解析。

2) 無麻酔下実験：摂食行動などの情動行動中のニューロン応答様式，1)との相互連関の解析。

3) 試験管内実験：脳切片，培養脳を用いて顕微鏡下でニューロンの特性，局所回路網などの解析。以上により諸情動行動表出の神経機構を明らかにする。

#### 2. 下等動物（富山湾ウミウシ）脳の研究

諸感覚入力に対するニューロンの応答様式，受容野，神経回路網，シナプス受容膜の特性の解析を行い，諸感覚の情報処理機構を明らかにする。

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