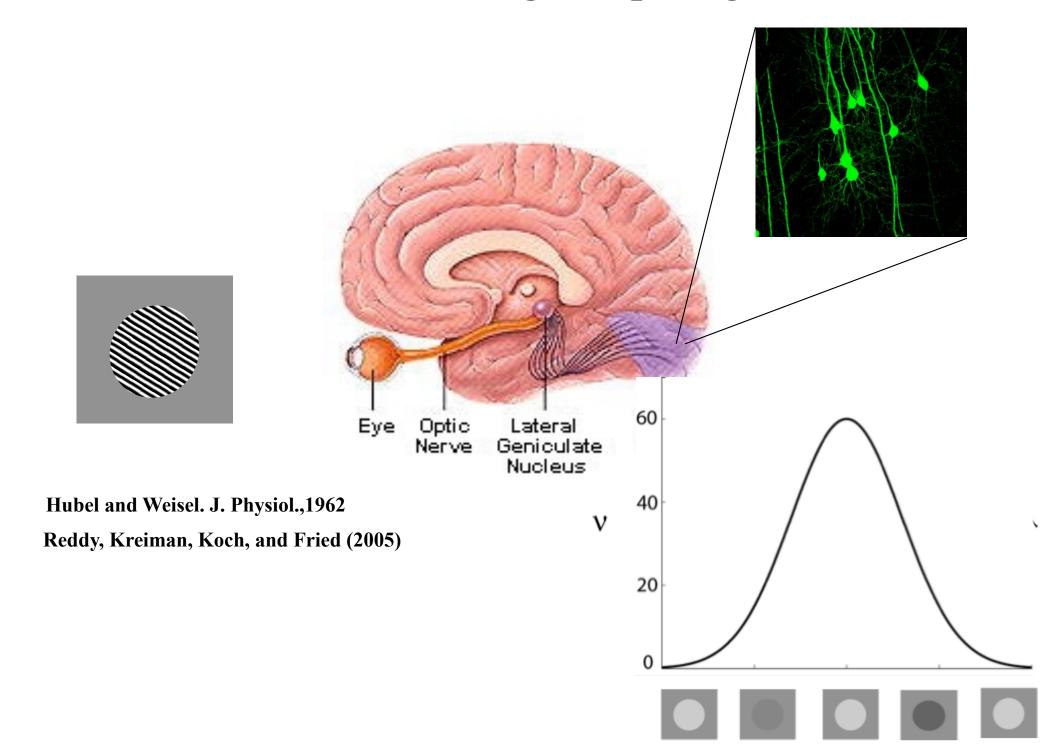


A.L. Hodgkin and A.F. Huxley J. Physiol. 117:500, 1952 (Nobel Prize in Physiology and Medicine, 1963)

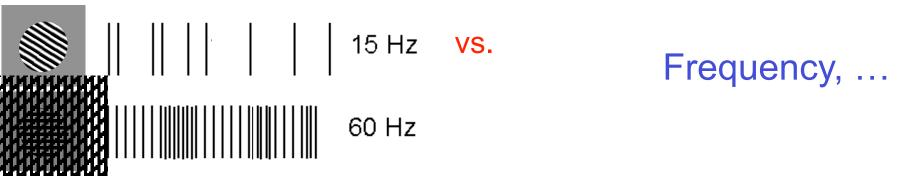


1. Averaged spike statistics

### Cortical encoding via spiking rates

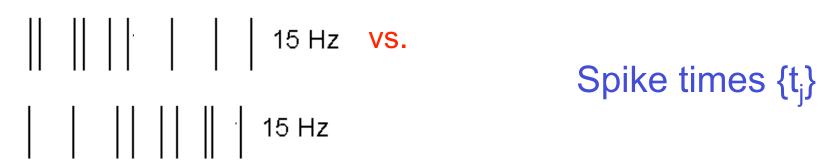


## 1. Averaged spike statistics



## 1. Averaged spike statistics

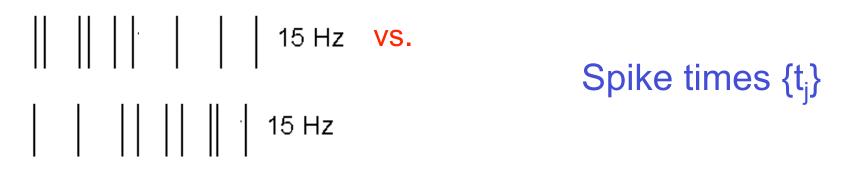
# 2. Precise spike timing



## 1. Averaged spike statistics

```
|| || || || || 15 Hz Vs. Frequency, ...
```

# 2. Precise spike timing



Biology: BOTH.

**Metrics**: Fisher Information, Mutual Information ...