

## **Fragen zu den Vorlesung von Prof. H. Breer**

1. Describe the basis and principles underlying the enormous recognition and discrimination capacity of the olfactory system?
2. What is the mechanism of chemo- and electrical signal transduction in olfactory sensory cells?
3. What is the projection target of olfactory axons? What determines the projection pattern?
4. Describe the structural and functional differences between the vomeronasal organ and main olfactory system.
5. What are the major physiological implications of the olfactory system?
6. What are the major physiological implications of the gustatory system?
7. Where are taste cells localized and how do they differ from olfactory cells?
8. How is the gustatory information conveyed to the target region of the brain?
9. In which area of the brain is the gustatory information processed?
10. What is the molecular basis for the recognition of sweet, bitter and salty compounds?