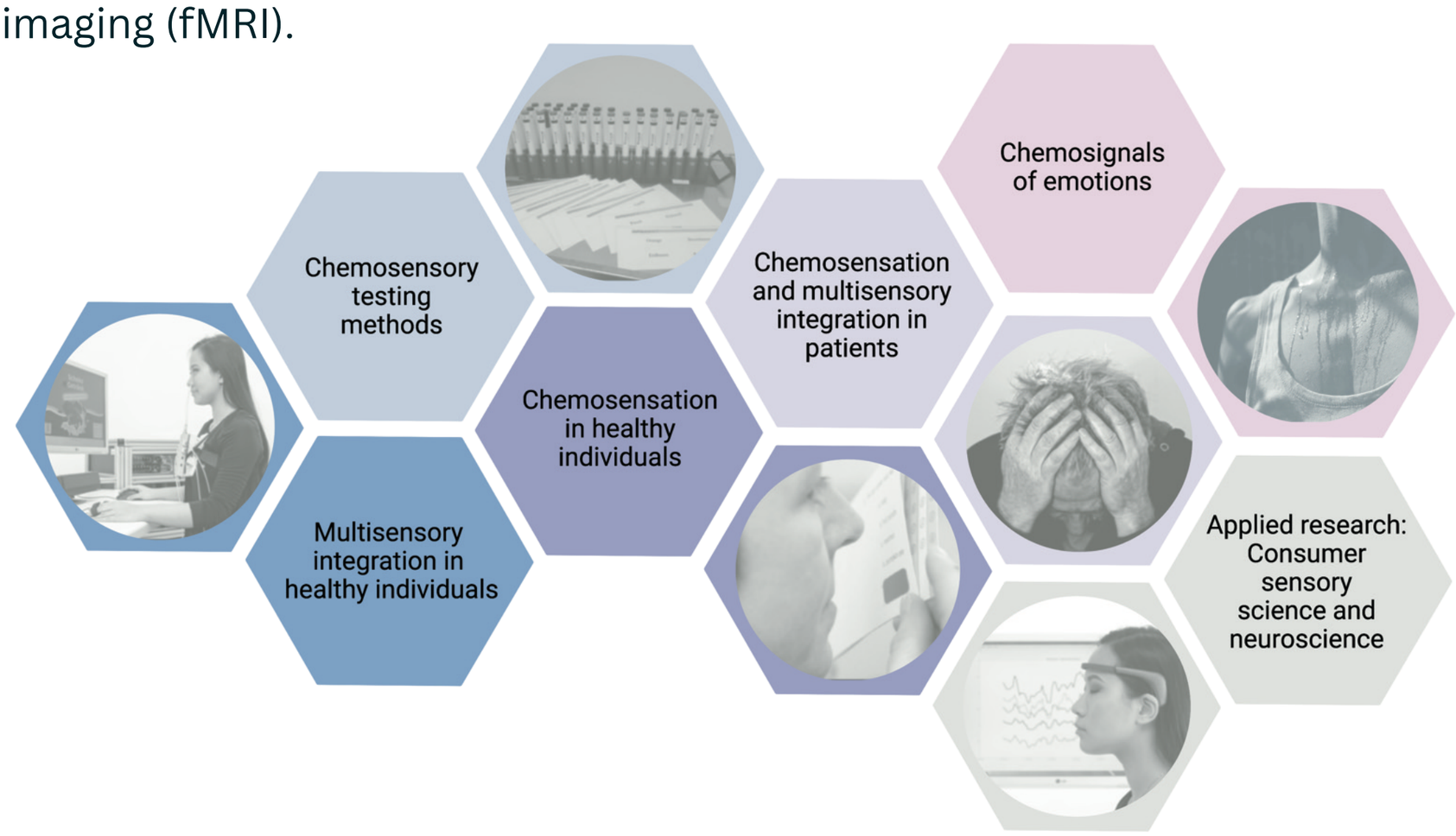
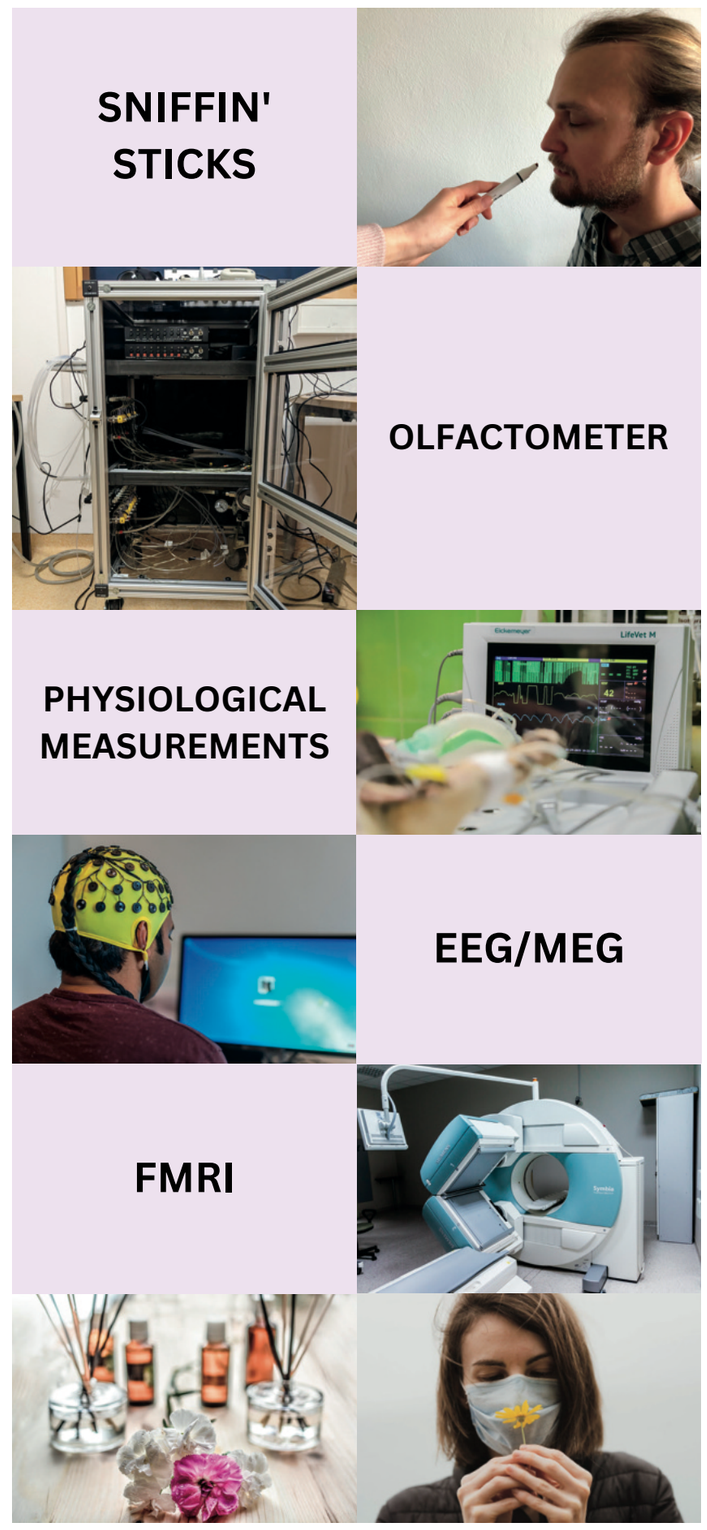
NEUROSCIENCE OF SENSORY PERCEPTION

NEUROSENSE LAB

As part of the Sensory Sciences Cluster, we conduct behavioral and cognitive Neuroimaging studies with a focus on **human sensory perception**. Our scientists are determined to better understand the human chemical senses (smell, taste, and trigeminal perception), as well as **multisensory perception** and the underlying processes in the human brain.

For this we benefit from a variety of behavioral, psychophysiological and neuroimaging methods such as electroencephalography (EEG), magnetoencephalography (MEG) or functional magnetic resonance imaging (fMRI).





Did you know?

Our sense of smell is our oldest sense, it is closely linked to memory, emotion, and behavior, and it subconsciously affects us in almost all areas of everyday life, from food to cosmetics to sexual attraction. With our research, we contribute to a better understanding of this fascinating sense!

Current projects:

- Effects of distraction on smell and taste perception
- Human perception of chemosignals
- Decoding the bimodal perception of odor mixtures
- Improvement of industrial food, cosmetics and personal care, home care applications (in collaboration with Fraunhofer IVV)

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