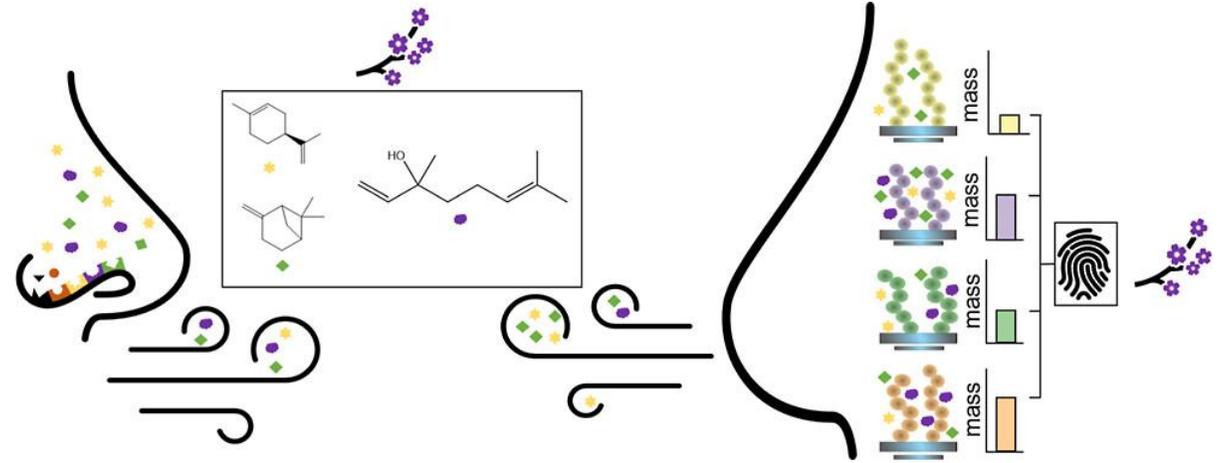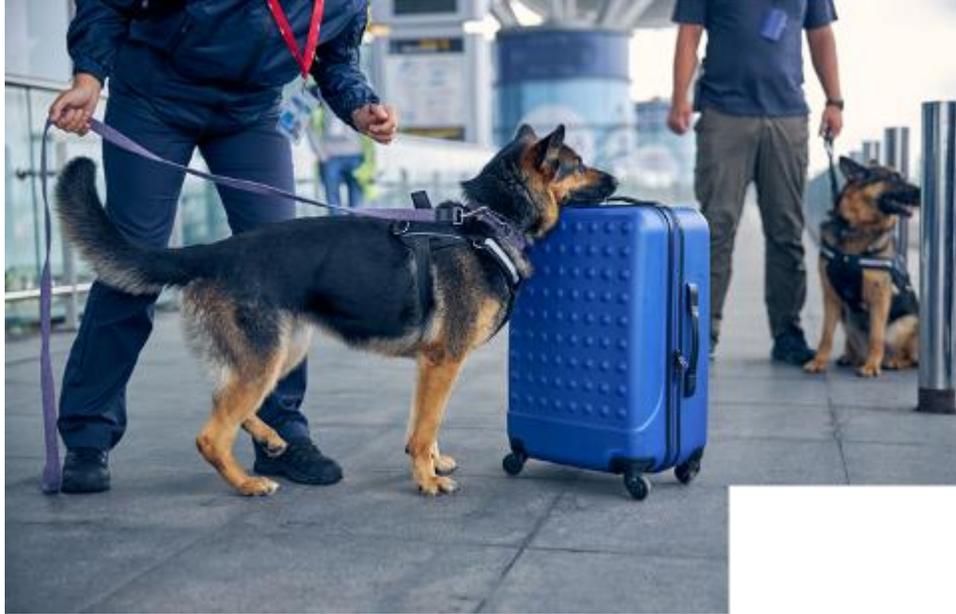# Research Project 3: Machine-learning-assisted development of bioinspired odor sensors

Research questions:

1. How do dogs locate the source of odors and how can we mimic this?
2. How can we accurately measure variations in the odor concentration?
3. What is the absorption kinetics of vapors in polymer brushes and how do they depend on the brush parameters?
4. What machine learning classification algorithms are best used to recognize odors against various backgrounds?