Special course, bachelor & master project

MiniRaman device for skin measurements

Raman spectroscopy has shown in the last years to be a promising technology that can be used in the dermatology clinical practice. In our group, a new handheld Raman device has been developed (miniRaman). It is smaller and more sensitive than other devices available on the market. We are, therefore, testing the device for hydration skin measurements and to evaluate whether it would be possible to measure glucose levels using the miniRaman device.

Example of specific project topics:

- **Calibration of the device**
- **Skin hydration measurements on porcine tissue**
- **Data analysis of the Raman spectra**

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About IDUN

IDUN is a center of excellence funded by the Danish National Research Foundation and the Villum Foundation. The center is divided into two parts: IDUN Drug and IDUN Sensor, focusing on drug delivery and nanomechanical sensors, respectively.

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