The aim is to analyze the Raman spectra of the skin and evaluate the variability of the spectral characteristics of the skin of different localizations and different phenotypes in a normal state.

Tasks:
- Determine the method and body localization of signal registration;
- Find volunteers with different skin phenotypes;
- Carry out measurements, process experimental data
- Analyze the skin spectral data variability

Materials and methods

The spectral variabilities averaged in the range of 1100-1800 cm⁻¹ when 2 different methods of data normalization are used:

- Standart normal variation (SNV) method
- Normalization to the 1450 cm⁻¹ RS peak

The results obtained can be used to analyze the Raman spectral features of human skin with impaired metabolism as a result of various diseases.