

Review Article on Raman spectroscopy in urine sensing

The OnePlanet Research Center <https://www.oneplanetresearch.com/> is looking for a student in (Medical) Biology who could conduct their research article about which biological fluid markers can be detected in Raman spectroscopy. Specific interests for OnePlanet are:

- Fluids: urine, interstitial fluid, serum*
- Markers: biomarkers that are indicative for (onset/progression) of disease but also markers like drugs for therapeutic drug monitoring*
- Raman technology: we are most interested in conventional Raman spectroscopy (using a laser + spectrometer) but it can also include Raman technologies that need an enhanced surface (surface enhance Raman spectroscopy, SERS), multiple lasers (stimulated Raman or CARS).*

Please reach out to Dr. Ian Cameron, ian.cameron@ru.nl, if you are interested and he will connect you to the research team.