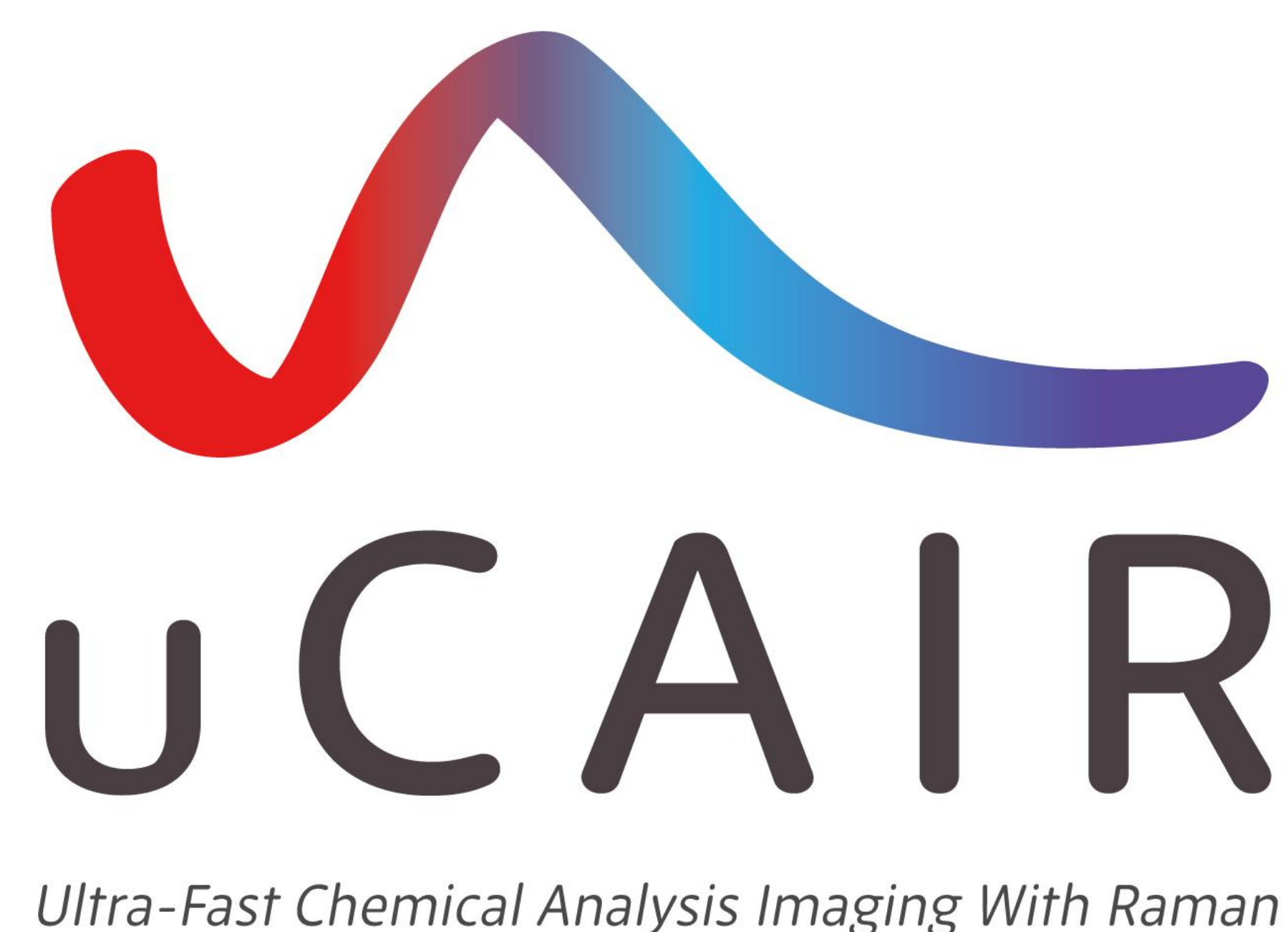
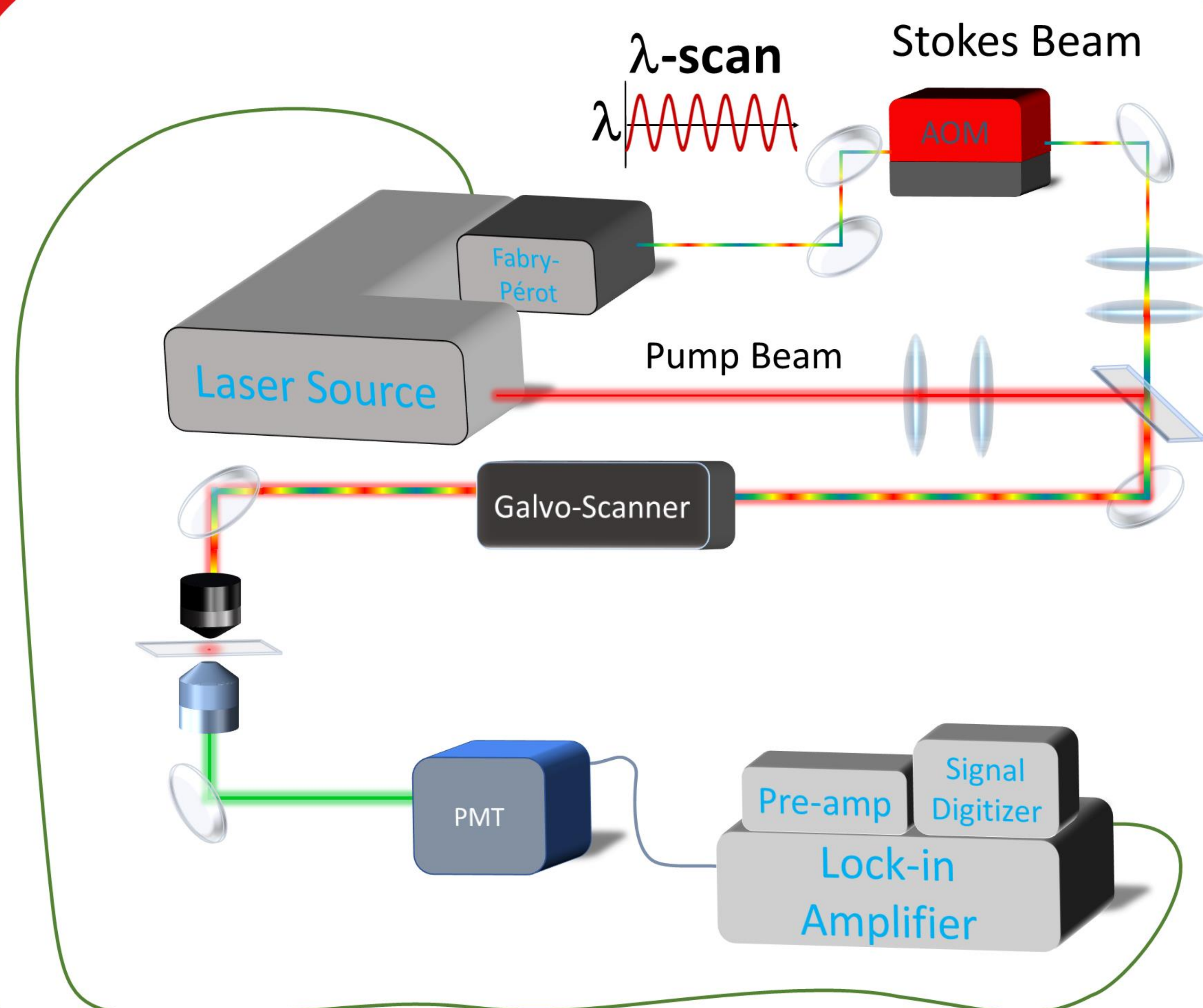
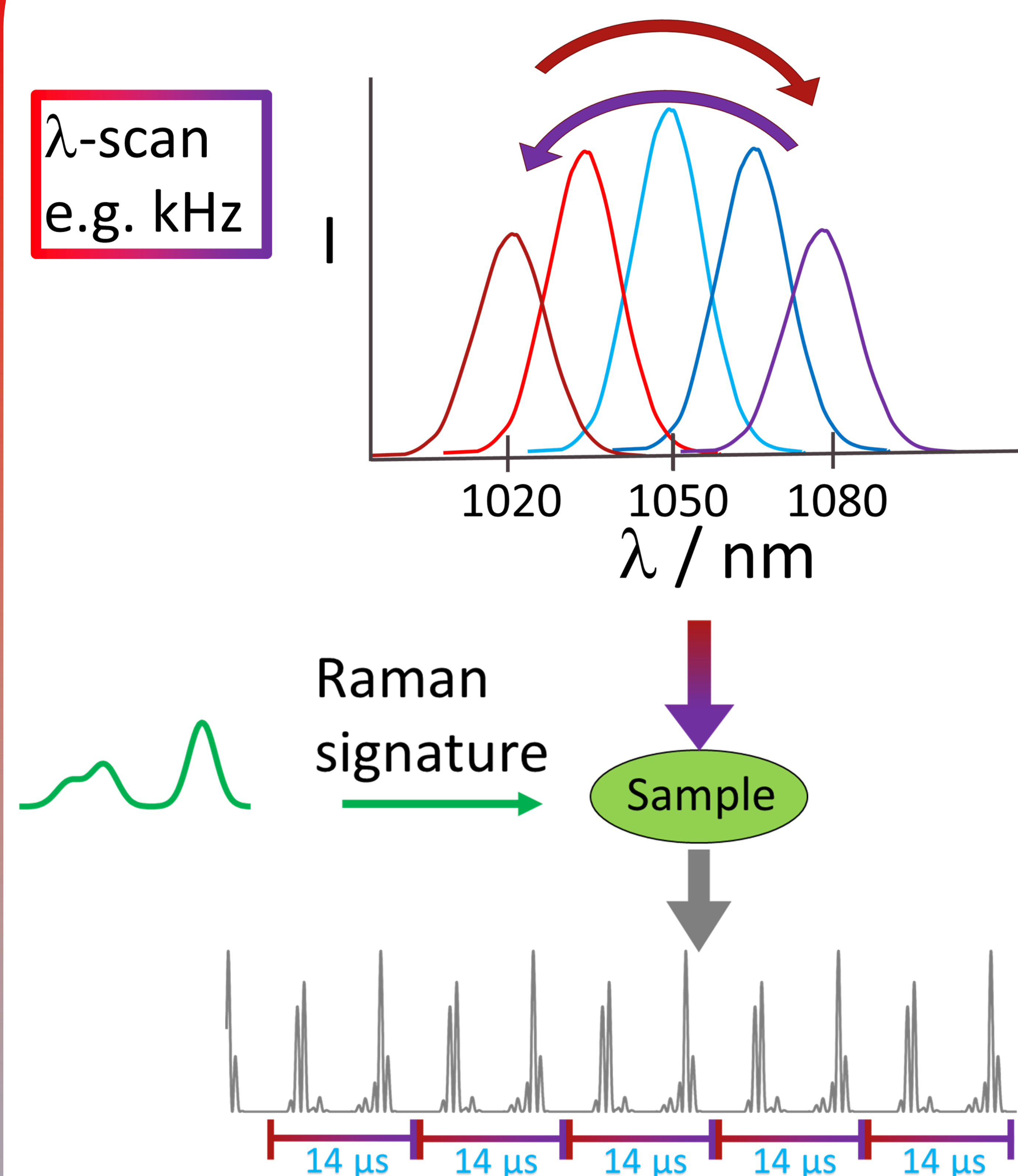


uCAIR: Ultra-Fast Imaging for Cancer Diagnostics



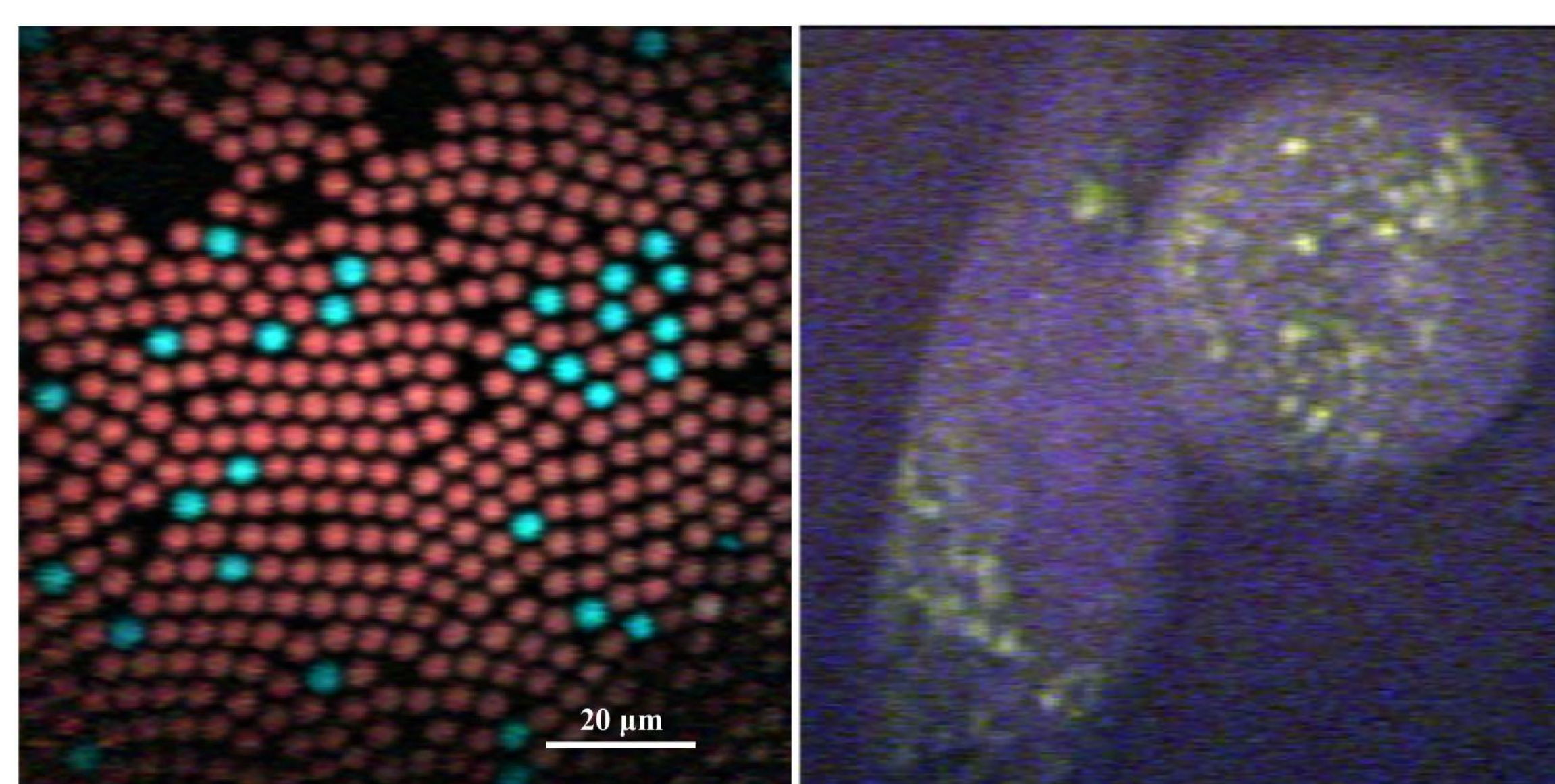
Overview:

uCAIR (Ultra-Fast Chemical Analysis Imaging With Raman) is an innovative European research initiative funded under the EU's Horizon Europe programme with the aims to revolutionize medical diagnostics particularly in oncology, by developing a cutting-edge, real-time imaging system capable of detecting chemical signal molecular cellular anomalies without the need for contrast agents or lengthy laboratory workflows.



Left:
PMMA &
PS 5 μ m
particles

Right:
Breast
Cancer
cells



uCAIR has received funding by the European Union's Horizon Europe research and innovation programme under Grant Agreement no. 101135175. Views and opinions expressed are however those of the authors only and do not necessarily reflect those of the European Union or European Commission. Neither the European Union nor the granting authority can be held responsible for them.



Funded by
the European Union



UNIVERSITY OF
LIMERICK
IRELAND

