



**UNIVERSITÀ
DEGLI STUDI
DI TRIESTE**



PROTOMAT project has received funding from the European Union's ERC Starting Grant program under grant agreement N° 101039578

AVVISO DI SEMINARIO

WEDNESDAY 14 FEBRUARY 2024, 14:30 - 15:30

SALA DEL CONSIGLIO

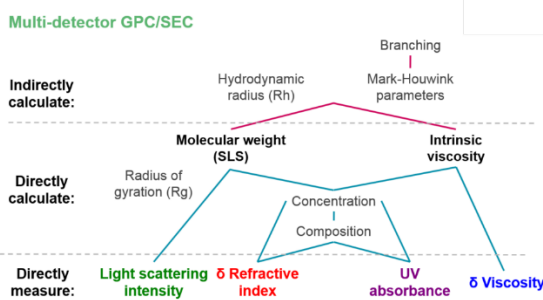
Department of Chemical and Pharmaceutical Sciences, University of Trieste

SPEAKER: Dr. Roberto Santoliquido

AFFILIATION: Alfatest – Strumentazione Scientifica

TITLE: OMNISEC System: Triple/tetra detector size exclusion chromatography for the characterization of polymers and biomolecules.

ABSTRACT: Size exclusion chromatography (SEC) is a well-established technique in both academia and industry. However, in the majority of laboratories conventional calibration methods are still based on a single detector instrumental capability. In this presentation I will show the advantages of a SEC equipped with a triple/tetra detector system, comprising a photodiode array detector, a refractive index detector, a viscosimeter detector, and both a low-angle and right-angle light scattering detector. I will explain the theory behind all detectors and show practical examples of their combined use for the characterization of polymers, peptides, and proteins.



Seminar financed by the European Project PROTOMAT.

The tetra detector SEC system will be available from the 19th February 2024 in lab 340 of the Department of Chemical and Pharmaceutical Sciences, University of Trieste.