



DIPARTIMENTO DI FARMACIA E BIOTECNOLOGIE

AVVISO DI WORKSHOP

**Il giorno mercoledì 30 giugno 2022
alle ore 14:30**

in presenza:

Aula 1 – FaBiT, via Belmeloro 6, Bologna BO

oppure in streaming:

<https://teams.microsoft.com/l/meetup-join/19%3aN09c0NlyEssBnF7ObCyDOQwkgDWm1qdd9f7F2nJV9fw1%40thread.tacv2/1631519544944?context=%7b%22id%22%3a%22e99647dc-1b08-454a-bf8c-699181b389ab%22%2c%22oid%22%3a%225a941351-ef41-4aa4-8771-fa50a6d62ca1%22%7d>

si terrà il workshop Alfatech

**GET BIOPHYSICAL CHARACTERIZATION OF
BIOMOLECULES WITH OUR TOOLS**

WORKSHOP AGENDA

14:30-14:40	Introduction
14:40-15:40	Dr. Danilo Friscione, Alfatech “Essential macromolecules characterization by coupling SEC to Multi Angle Light Scattering” <ul style="list-style-type: none">• Introduction• Principles of Static and Dynamic Light Scattering• Experimental setup• Application examples<ul style="list-style-type: none">○ Aggregate hunting○ Protein-Protein/Protein-DNA interaction○ mAB Formulation – pH and temperature dependent aggregation○ Protein purification• Q&A session
15:30-15:45	Break
15:45-16:45	Dr. Vincenzo Pisapia, NanoTemper Technologies: “Explore the biomolecular landscape of your targets: measure the stability and quality of your proteins to deeply characterize their interactors”. <i>Prometheus and Tycho:</i> <ul style="list-style-type: none">• Basics of nanoDSF, Ago optic and DLS• Applications related<ul style="list-style-type: none">○ Buffer screening○ Assay optimization○ Thermal shift assay○ Storage conditions○ Aggregation propensity KD and B22 parameters <i>Monolith:</i> <ul style="list-style-type: none">• Principle of MST and TRIC (Monolith)• Applications related:<ul style="list-style-type: none">○ PPI○ Proteins vs nucleic acids○ drug discovery approach: single dose and binding affinity screening• Q&A session
16:35-17:00	Final Remarks