

# **BIOMEDIAG Subgroup Workshop**



**Wednesday 21 April 2021 - Friday 23 April 2021**

## **Conference Scientific Programme**

The BIOMEDIAG workshop aims at bringing together experimentalists and theoreticians with interest in biological and medical applications of TXRF technique. Topics covered by the workshop are following: Typical biological and medical samples analyzed by TXRF: aim of the studies, technical details of the measurements. Application of TXRF in laboratory diagnostics of human biological material samples. Standards/reference materials (biological and medical). Available in the literature and new procedures for the preparation of selected biological and medical samples for the TXRF analysis. TXRF instrumentation and laboratory equipment useful in the context of biomedical analysis. Comparisons of the results of TXRF measurements of the biological and medical samples with the results obtained using other independent techniques. Further research direction (e.g. Development and verification of easy to implementation procedures allowing routine measurements with low detection limits for metals, metalloids and non-metals). Promotion of the ISO/IEC 17025:2017 standard "General requirements for the competence of testing and calibration laboratories". The program of the conference will consist of: Lectures (30') Selected Topics (15') Posters (pdf) The detailed program is currently under preparation.