


EuChemS-DAC Study Group Annual Report for 2023-2024

Study Group Name: Bioanalytics Study Group
Study Group Head and Affiliation: Raluca-Ioana van Staden – Romanian Chemical Society
Study Group Members and Affiliations: Guenter Gauglitz – Gesellschaft Deutscher Chemiker (GDCh) Jan Labuda – Slovak Chemical Society Jacobus Frederick van Staden – South African Chemical Institute Coral Barbas Arribas - UCEU San Pablo, Spain Ryszard Lobinski – UPAU, France Ede Bodoki – UMedicine and Pharmacy Iuliu Hatieganu, Cluj Napoca, Romania Mehmet Gumustas – AnkaraU, Türkiye Jose M. Pingarron – Spanish Royal Society of Chemistry Viola Horvath – Hungarian Chemical Society
Objectives: The aim of the Bioanalytics study group is to search ways for bringing closer the analytical and bioanalytical chemistry community. Main purpose of this group is besides „listing“ of methods and „applications“ a help for deciding which to use for what and warn about pitfalls. It might be a help for those using analytics in fields like life science, forensic, environment and food analysis and not being a really well-trained Analyst.
Activities and Outputs in 2023-2024 (e.g. reports, publications, seminars, meetings): Several poster and oral presentations have been presented related to bioanalytics at PBA 2023, in Ankara, Türkiye. As well as short courses organized on sample preparation by using SPME. Sessions on bioanalysis were also organized at The International Association of Forensic Toxicologists (TIAFT) 2023, Rome, Italy 2023; Annual Symposium on Physical and Analytical Chemistry (ASPAC) 2023, Tbilisi, Georgia on December 2023. Analytica conference Munich 12 lectures in the sessions on Trends in Analytical and Bioanalytical Chemistry (Lateral Flow Chips, miniaturized biosensors for clinical diagnostics, Towards self-driving labs) April 9th and 10th 2024, Reports also published in GDCh-Reports (Guenter) 6 h teaching on basics of POCT in winter term for Biomedical Technologies – Master at Tübingen university (Guenter). Chemical Engineering Days'24, 16-17 April, 2024, Pannon University, Veszprém, Hungary with a conference theme on biosensors, bionanotechnology, bioanalytics, and microfluidics. 21st International Symposium and Summer School on Bioanalysis, Târgu Mureş, Romania. The Concept on Bioanalytics was up-dated and improved by the members of the study group.
Do you intend to propose a Task Group in the scope of the activities of DAC-EuChemS? If so, please mark the option(s) below: <input checked="" type="checkbox"/> to prepare a state-of-the-art review in a given field; <input checked="" type="checkbox"/> to organize short courses, particularly in EuroAnalysis; <input checked="" type="checkbox"/> to promote online thematic seminars; <input checked="" type="checkbox"/> to organize a thematic session in EuroAnalysis; <input checked="" type="checkbox"/> to promote other activities, clearly disclosed in the application and approved by the Annual Meeting.
Report submitted by: Prof Dr habil Raluca-Ioana van Staden 
Date submitted: 24/06/2024

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