

Atelier technologique Waters aux JFSM 2012

Mardi 18 septembre à 17h50

Salle C du Centre des Congrès

Nous avons le plaisir de vous inviter à notre atelier intitulé :

Towards a common workflow for metabolite and protein profiling in unbiased discovery

Kevin Collins, Waters Corporation, Manchester (UK)

Complementary metabolomic and proteomic studies can provide a stereoscopic view of biological processes at the molecular level. Combining optimised 'omics workflows, within a single analytical platform, enable an efficient gateway to 'integrative biology'.

Endogenous metabolite profiling and bottom-up protein profiling are currently performed with highly specific analytical systems. Whilst the core of either system may be the same HDMS instrument, the chromatography and software tools employed will be unique to each workflow. Metabolite profiling conventionally utilises analytical scale UPLC while protein profiling mandates capillary scale UPLC. Moreover, discreet 'bioinformatics ecosystems' have evolved to support either metabolomics or proteomics workflows.

We propose a novel system solution to enable a common workflow for both endogenous metabolite profiling and bottom-up protein profiling in unbiased discovery research. This unique analytical platform is based on the permanent combination of a nanoACQUITY UPLC, a SYNAPT HDMS and coherent bioinformatics. Metabolomics and proteomics experiments are performed sequentially, on separate batches of samples, requiring only an in-situ change of chromatographic column.

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Notre atelier sera suivi d'un apéritif.

Renseignements et inscription :

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