

**Pozvánka  
na přednášku**

**SEKCE CHEMIE**

**Přírodovědecká fakulta UK v Praze**

si Vás dovoluje pozvat na přednášku z cyklu *Quo Vadis Chemie*

*Miniaturised analysis: Where to now?*

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**Abstrakt**

*Microfluidics and its uptake in the analytical area has been impeded by barriers to entry that can be very high compared to classical (non-chip) methods such as capillary electrophoresis (CE) or chromatography. Such barriers impede faster and higher uptake of microfluidics. Portable analytical instrumentation is a necessity for on-site measurements in numerous areas, however, commercial portable instrumentation for LC (and CE) can be still considered a scarcity. Our approaches have been focused on analytical platforms based almost entirely on commercial off-the-shelf components that allow straightforward usage without extensive specialist training are research-flexible, and often inexpensive. The examples will include a chip-CE/chip-ITP microfluidic platform and a portable modular medium pressure LC platform. The wider implications of modern technologies in supporting “low-barrier science” will be discussed.*

**Přednáška se bude konat 16. 6. 2014 (pondělí) v 14:00  
v posluchárně CH-2, budova chemických kateder PŘF UK v Praze.**