**Non-formal deformation quantisation and abstract O\*-algebras**

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**Abstract:** There are some recent examples of non-formal deformation quantisations (of e.g. constant and linear Poisson brackets on vector spaces or the hyperbolic disc) outside of the realm of C\*-algebras. While such constructions are less restrictive, their properties (representations by algebras of functions or operators etc.) are less clear than in the C\*-case.
In my talk I am giving an overview over the properties one can reasonably expect of such constructions and how this fits into a more general approach by abstract O\*-algebras.