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The Baum-Connes conjecture and Oka's principle

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The Baum-Connes conjecture with coefficients is still open for higher rank Lie groups as this groups satisfy a variant of Lafforgue's Strong property (T) which prevents one to apply the methods that have been used so far to prove the conjecture. Nonetheless, a direction that is still open concerns applying the ideas of Bost, who defined a version of Oka principle in Noncommutative Geometry. In this talk, I will give a short survey on the conjecture and I will explain the statement linking it to Oka's principle.

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