- **Kielak, Dawid: Property (T) for $\mathrm{Aut}(F_n)$ (SR 0)**
  I will present a very recent proof of Kazhdan's property (T) for the group of automorphisms of a free group F_n (with $n \geqslant 5$) (obtained jointly with Marek Kaluba and Piotr Nowak).
  Property (T) is a very strong rigidity property restricting possible affine actions of a group on Hilbert spaces. It has many important applications in group theory and geometry. Property (T) was classically established by Kazhdan for $\mathrm{SL}_n(\mathbb Z)$ and other lattices in semi-simple Lie groups of higher rank. The proof I will present gives also an alternative proof of Kazhdan's result for $\mathrm{SL}_n(\mathbb Z)$, and strengthens the analogy between automorphism groups of free and free-abelian groups.