PURVI GUPTA, University of Western Ontario

A nonpolynomially convex isotropic torus with no attached discs

In 1985, Gromov proved that every compact Lagrangian submanifold in $\mathbb{C}^n$ has a holomorphic disc attached to it. In this talk, we will present an explicit real-analytic example in $\mathbb{C}^3$ to show that Gromov's result does not hold for isotropic submanifolds (the subcritical case) even in the absence of polynomial convexity.