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The Branching Schrödinger Problem

It is now well understood that regularized (a.k.a. entropic) optimal transport is linked to entropy minimization with respect to the law of the Brownian motion: this is the Schrödinger problem. I will present an ongoing work with Aymeric Baradat (CNRS, Lyon) where we explain how models of *regularized* unbalanced optimal transport are linked to entropy minimization with respect to the law of the *branching* Brownian motion.