

## Algebraic Geometry Seminar

*Rational normal curves, phylogenetic trees, and tropical geometry*

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**Abstract:** I'll discuss joint work with Alessio Caminata, Luca Schaffler, and Han-Bom Moon in which we study equations defining (the closure of) the locus of  $n$  points in projective space that lie on a rational normal curve and apply these equations to resolve a question of Lior Pachter and David Speyer from 2004 on the tropical geometry of the space of phylogenetic trees.

Monday, November 18 at 3:00 PM in 636 SEO