

# Representation Theory, Geometry & Combinatorics Seminar

Organizer: M. Haiman and N. Reshetikhin

Wednesday, 4:00–6:00pm, 939 Evans

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Dec. 9     **Monica Vazirani**, UC Davis

*On Khovanov-Lauda algebras*

Khovanov-Lauda-Rouquier algebras have played a fundamental role in categorifying quantum groups. I will discuss the structure of their simple modules, in particular that they carry the structure of a crystal graph. This is joint work with Aaron Lauda.