

# Algebra/Topology Seminar

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## COMBINATORIAL FORMULAS FOR NON-SYMMETRIC MACDONALD POLYNOMIALS

Thursday, April 21, 2016

1:15 p.m. in ES-143

ABSTRACT. The Macdonald polynomials are a remarkable family of orthogonal polynomials introduced by Macdonald in 1988. These polynomials have important connections to representation theory and the geometry of certain algebraic varieties. In this talk, I will establish the connection between two combinatorial formulas for the non-symmetric Macdonald polynomials — the Ram-Yip and Haglund-Haiman-Loehr formulas.