KEVIN PURBHOO, University of British Columbia
The generalised Horn recursion

The classical statement of Horn's conjecture gives a recursively defined set of inequalities for possible eigenvalues of triples of Hermitian matrices (A, B, C) satisfying $A + B + C = 0$. Reformulated, however, this recursion tells us that there is a recursive nature to the set of non-vanishing Littlewood–Richardson numbers. I'll discuss a generalisation which recursively characterises the non-vanishing Schubert intersection numbers for all minuscule flag varieties.

This is joint work with Frank Sottile.