# FLAGS Seminar

Organizer(s): Damien Mondragon and George Melvin

Friday, 12.10-1pm, 939 Evans

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Sept. 20 **Maria Monks**,
*Schubert Calculus on Grassmannians*

The aim of this talk is to describe the cohomology ring of the Grassmannian $Gr^n(\mathbb{C}^m)$. We will review the definitions and basic facts regarding cohomology classes, flag varieties, the Schubert variety corresponding to a fixed flag, and the decomposition of the Grassmannian into Schubert cells. We will also describe the Pieri, Giambelli, and Littlewood-Richardson rules of symmetric function theory, and show that they are precisely the rules needed to describe multiplication of Schubert classes.

More information on future talks can be found at http://math.berkeley.edu/∼gmelvin