

**Speaker:** Melissa Emory

**Title:** On Restrictions of Representations

**Abstract:** Restriction problems are one of the most natural problems regarding representations, present from the early days of representation theory. In general, the question is how a representation of a group decomposes when restricted to a subgroup. Aizenbud, Gourevitch, Rallis and Schiffmann proved a multiplicity at most one theorem for restrictions of irreducible representations of certain  $p$ -adic classical groups and Waldspurger proved the same theorem for the special orthogonal groups. We will discuss work that establishes a multiplicity at most one theorem for restrictions of irreducible representations for a non-classical group, the general spin group. This is joint work with Shuichiro Takeda.