

**CHILDRENS HOSPITAL  
Department of Pediatrics**

**SUMMER RESEARCH OPPORTUNITIES  
FOR UNDERGRADUATE WOMEN**

**APPLICATION DEADLINE: March 1, 2006**

*The Department of Department of Pediatrics is pleased to offer the following research project for the summer of 2006. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and if possible, develop a timetable for the twelve-week research period.*

**IMMUNOSUPPRESSION IN HIV**

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HIV remains one of the top infectious killers in the world at large. My research activity is focused on the understanding the mechanisms of immunosuppression in HIV. My current research is focused on two major projects: (1) understanding the molecular mechanisms underlying dysregulated expression of CD40 ligand (a molecule critical to antigen-presenting cell/T cell interactions) in HIV; and (2) delineating the role of newly discovered subset of T cells (regulatory T cells) in the lack of immune control of HIV replication. In addition, I have started a project focusing on the role of regulatory T cells in another setting, the immunosuppression associated with aging.