

**PhD candidate in experimental geochemistry/mineral physics  
The Department of Geoscience & the High Pressure Science &  
Engineering Center (HiPSEC)  
The University of Nevada Las Vegas (UNLV)**

The Department of Geoscience and the High Pressure Science and Engineering Center (HiPSEC) at the University of Nevada Las Vegas (UNLV) is looking for a student to pursue a PhD. in experimental geochemistry/mineral physics. The project will use the hydrothermal diamond anvil cell (HDAC at the Advanced Photon Source) to quantify element partitioning between silicate melts and aqueous fluids at conditions analogous to the interface between a downgoing slab and the overlying mantle wedge. These data are required to better our understanding of the mass transfer occurring in this environment and the ability of subduction zone settings to serve as global recycling agents. We seek a student with HDAC experience; however, all motivated students with a strong background in experimental techniques are encouraged to apply. The student will also have the opportunity to become involved in other high-temperature/pressure research through HiPSEC. Information about UNLV Geoscience can be found at [geoscience.unlv.edu](http://geoscience.unlv.edu); information about HiPSEC is located at <http://www.physics.unlv.edu/research/hpsc/> Application deadline is January 31st, 2007. For more information about the project and the application procedure, contact Dr. Adam Simon, e-mail: [adam.simon@unlv.edu](mailto:adam.simon@unlv.edu) or phone (702) 895-5461.