

3 Post-Doc and 8 PhD student opportunities available with new Critical Zone Observatory

The NSF-funded Christina Basin Critical Zone Observatory (CRB-CZO, <http://www.udel.edu/czo>) – a collaborative and multi-scale research effort among the University of Delaware (www.udel.edu), the Stroud Water Research Center (www.stroudcenter.org), and the Delaware Environmental Institute (www.udel.edu/denin) – has openings for 3 Post-Doctoral scientists and 8 Ph.D. students. The CRB-CZO focuses on the properties of carbon-mineral complexes and the impacts of weathering, erosion, and fluvial network dynamics on the formation and sequestration of these complexes in watersheds with mixed land uses. Individuals will have a primary mentor/advisor, but the CRB-CZO research program fosters and encourages collaboration among the post-doctoral scientists and Ph.D. students and we anticipate that their efforts will benefit from working with multiple investigators within the research team. CRB-CZO scientists have expertise in hydrology, soil physics, biogeochemistry, organic geochemistry, geomorphology, and ecosystem science, and modeling. Post-doctoral candidates with a strong background in earth science with field and laboratory experience, and interests in hydro-chemistry or sediment/soil organic matter geochemistry are particularly encouraged to apply. Ph.D. candidates may have diverse backgrounds which include but are not limited to MS. in earth, ecological, and environmental sciences. Potential candidates are encouraged to visit the project web site to study the research focus areas, key hypotheses and questions, and the faculty involved. Candidates should include a cover letter with their research interests, a CV, transcripts, GRE scores (for students), all refereed manuscripts, and contact information for three references. All material should be sent electronically to Dr. Amy Broadhurst (als@udel.edu). We also strongly encourage candidates to contact individual CZO faculty for further information and guidance. Reviews will begin Feb. 15 and continue until all positions are filled. Post-doctoral positions are each funded for 2+ years.