

NIH-funded Post-Doctoral Opportunities in Copper Biochemistry in the Pacific Northwest

Applications are invited for two postdoctoral positions in the area of copper biochemistry and cellular copper export. The successful applicants will work in the laboratories of Dr Ninian Blackburn (Oregon Health & Sciences University blackbni@ohsu.edu) and Dr Kelly Chacon (Reed College kchacon@reed.edu) both located in Portland Oregon. One position will focus on the mechanism of copper export in the *CusBCAF* exporter which contributes to virulence in gram negative pathogens, and will utilize advanced kinetic and spectroscopic approaches such as stopped-flow fluorescence and rapid-freeze quench x-ray absorption/emission methodologies. The second position will focus on the structure function relationships in copper dependent monooxygenases such as peptidylglycine monooxygenase and dopamine β -monooxygenase which serve critical functions in neurobiology and signaling. Here the emphasis will be on the mechanism of electron transfer, activation by substrate and the isolation and characterization of reactive oxygen intermediates again using advanced kinetic and spectroscopic techniques. The projects are funded through the National Institutes of Health and are suitable for applicants with a PhD in chemistry, biochemistry, or biophysics with relevant experience in protein chemistry. Apply via the OHSU website www.ohsu.edu/hr by clicking on the "Search for Jobs" button and using the identifiers IRC59358 (Copper Transport) or IRC59357 (Copper Monooxygenases).

