

A postdoctoral position is available in the laboratory of Prof Angus Murphy to study the role of the M24B protease APP1 in auxin-dependent development. APP1 is a multifunctional enzyme that acts as a rate-limiting regulator of AUX/IAA stability. The project involves mutational analyses of APP1 based on comparative systems analysis of related M24 proteins with the objective of determining the biochemical basis of APP1-AUX/IAA interactions using *in vitro* and *in vivo* assays. Research in the lab is conducted in a highly interdisciplinary environment that utilises plant, animal, and microbial models and state of the art facilities. The lab is located at Purdue University, West Lafayette, IN, USA. The position will be available immediately. Candidates must have received their PhD within the last three years and must have training in molecular biology and protein biochemistry that includes gene expression analysis, molecular cloning and manipulation of DNA in heterologous systems, protein purification and protein activity analyses. Women, minorities, and those with disabilities are encouraged to apply. Purdue is an equal opportunity employer. Initial inquiries should be made via email to Angus Murphy (murphy@purdue.edu).