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In addition to the expression and purification of P450 enzymes, work is being done on the binding of ligands to fatty acid binding protein 1 (FABP1). The protein (F) has two binding sites for ligands (S), and occupancy of one with a fluorescent ligand such as DAUD (Dihydrodecanoic acid) allows for quantification of binding to the second site. These analyses are being extended to more hydrophobic P450 substrates, including drugs, steroids, and carcinogens.

