Within the framework of the IsoMycotox project we are currently investigating the combinatory endocrine activity of mycoestrogens (e.g. zearalenone) and soy isoflavones (e.g. daidzein) in estrogen sensitive human cell lines. We are searching for a highly motivated master student to evaluate the estrogenic effects of phase II metabolites of isoflavones (in particular sulfates and glucuronides). To ensure that lower estrogen activities are not caused by cytotoxicity, respective assays must be conducted. In case of estrogenic effects, we will conduct LC-MS/MS measurements to investigate a possible conversion to the parent compounds.

Requirements:
✓ Interest in cell culture work
✓ Interest in analytical work
✓ Accurate and cooperative working style
✓ Enthusiasm for research

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Starting Date: October 2021 or as soon as possible thereafter