

**PHOTODYNAMIC THERAPY OF MEDULLOBLASTOMA *IN VITRO*
EXPLORED USING FLUORESCENCE MICROSCOPY**

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There is very little application of photodynamic therapy to pediatric brain tumors, thus it is important to explore the localization of the commonly used photosensitizer Photofrin in a novel cell line *in vitro*. To date there are no studies quantifying the optimal concentrations and uptake of Photofrin by medulloblastoma cell lines. Various concentrations of Photofrin and incubation times will be explored to determine the optimal concentrations and incubation period for Photofrin *in vitro* and where the Photofrin is sequestered within the cells. Cellular localization will be assessed using fluorescence microscopy and the relative fluorescence intensity of the cells will be quantified.