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The Effect of a Gibberellin Biosynthesis Inhibitor on Growth

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Poster Presentation P21

**THE EFFECT OF A GIBBERELLIN BIOSYNTHESIS INHIBITOR
ON GROWTH**

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Gibberellins are plant hormones that have been shown to effect fruit growth, germination, and internode elongation in flowering plants. Gibberellins have been studied extensively in flowering plants but little research has been performed in mosses.

Previous research at Illinois Wesleyan University has demonstrated that the moss *Ceratodon purpureus* (Hedw.) Brid. has gibberellins or gibberellin-like substances that regulate growth. A chemical identification as well as a physiological characterization of gibberellins has been undertaken as a follow up to the initial research. The results presented here suggest that gibberellins or gibberellin-like substances regulate both cell elongation and cell division in the moss *C. purpureus*.