

Abstract Submitted
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The Innovation Hyperlab - Linking Student Innovation at University and Pre-College Levels RANDALL TAGG, University of Colorado Denver — We have created a laboratory environment to support collaboration between university and pre-college students on innovation and entrepreneurship projects. Called the “Innovation Hyperlab,” this facility is located in a K-12 complex called VistaPEAK schools in Aurora, Colorado. The lab is supported by four elements: a research-grade technical infrastructure of supplies and equipment for technical prototyping, a developing curriculum of “learning modules on demand” for rapid assimilation of technical skills, mentors from universities / medical schools / industry, and innovation projects stimulated by connections with the regional community. A current focus of projects is on medical technology development, linking tenth graders with university undergraduate research students and coordinated with the University of Colorado Denver’s medical school. The Innovation Hyperlab is a work in progress and we will describe challenges that arise in connecting such a collaboration with traditional curriculum at both the university and pre-college levels.

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