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**“Beyond Bioethics: The impact of the nanobiotechnology
revolution on agriculture”**

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ABSTRACT

As the battle over genetically modified organisms rages, governments and universities are in a race to develop the ultimate engineering technology necessary to rearrange the fundamental chemistry of life itself. In the United states, that is the mission of our National Nanotechnology Initiative (NNI). In 2001, the official press statement from the Whitehouse declared the NNI a top priority because "nanoscience and nanoengineering will provide an unprecedented ability to manipulate and move matter" that is "likely to change that way almost everything. is designed and made." But the unqualified truth is that nanotechnology will change the way absolutely everything is made. Everything, of course, includes living things...plants, animals, and microbes. Nanobiotechnology has already explicitly targeted the complete atomic integration of living and nonliving materials. That mission statement is worth repeating. the goal of nanobiotechnology is the integration of living and nonliving materials at the atomic level. In plain language, nanobioengineers want to wire the molecular components of living beings directly into synthetic microdevices. Nanofabrication is designed to break the Carbon barrier of life and open the door for the incorporation of any and every type of chemistry into any and every component of living systems. Living systems such as crop plants. This paper will explore the present and future potential impact of nanobiotechnology on plant bioengineering and agriculture.