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Study Concludes FDA GMO Approval Process is Flawed, Outdated, and Unscientific

The study, led by Dr. V.A. Shiva Ayyadurai, Ph.D., an MIT-trained systems biologist, utilizes his latest invention, CytoSolve, a 21st century systems biology method to **integrate 6,497 *in vitro* and *in vivo* laboratory experiments, from 184 scientific institutions, across 23 countries**, to discover the accumulation of formaldehyde, a known carcinogen, and a dramatic depletion of glutathione, an anti-oxidant necessary for cellular detoxification, in GMO soy, indicating that formaldehyde and glutathione are likely critical criteria for distinguishing the GMO from its non-GMO counterpart.

"The discovery reported by Dr. Ayyadurai reveals a new molecular paradigm associated with genetic engineering that will require research to discover why, and how much formaldehyde and glutathione concentration, and what other cellular chemicals relevant to human and animal health, are altered. We need the kinds of standards Dr. Ayyadurai demands to conduct such research," stated Dr. Ray Seidler, a former EPA Senior Scientist. **"Formaldehyde is a known class1 carcinogen.** Its elevated presence in soybeans caused by a common genetic engineering event is alarming and deserves immediate attention and action from the FDA and the Obama administration. Soy is widely grown and consumed in the U.S., including by infants fed baby food products, with 94% of soy grown here being genetically engineered," declared Seidler.

Ayyadurai shares, "This is not a pro- or anti-GMO question. **But, are we following the scientific method to ensure the safety of our food supply? Right now, the answer is 'no'.** We need to, and we can, if we engage in open, transparent, and collaborative scientific discourse, based on a systems biology approach."

The full study can be read here (<http://www.integrativesystems.org/systems-biology-of-gmos/>).

Contact Information:

Nathan Nye: nnye@fenton.com (<http://www.prnewswire.com/news-releases/mailto:nnye@fenton.com>), (910)876-2601;

Alison Channon: achannon@fenton.com (<http://www.prnewswire.com/news-releases/mailto:achannon@fenton.com>), (202)789-7752

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