



A Universal Genetic Switch for Increasing Plant Yields, Stress Tolerance and Perishable Product Shelf Life

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Abstract:

Agribody Technologies, Inc. contributes to food security and agricultural resilience, helping to deal with growing populations, extreme weather and decreasing farmland by significantly increasing crop yields and extending shelf life of perishable products. Our patented genetic modification (GM) and genome editing (GE) technology targets a validated, very early biological switch that delays plant senescence, while increasing resistance to diseases and sublethal stresses in many key crop plants, including 2 years of field trial data in alfalfa. We will share CRISPR-based data on rice, tomato and other crops.

Biography:

Jerry Feitelson, Ph.D. is CEO and Co-Founder of Agribody Technologies, Inc. He had been CSO of Global Clean Energy Holdings, Global Product Manager at Beckman Coulter, Director of Research at Akkadix Corporation, and a Science Fellow and Manager of the Department of Molecular Biology at Mycogen Corporation. He earlier was a Senior Research Microbiologist at American Cyanamid and Adjunct Professor of Microbiology at Rutgers University. Jerry is an inventor on 15 U.S. patents, and author of 40 peer-reviewed scientific publications & numerous invited lectures. Jerry graduated from at M.I.T. (B.S.) in Life Sciences and Stanford University (Ph.D) in Genetics.

Publication of speakers:

1. Schnepf, E. & Crickmore, Neil & Van Rie, Jeroen & Lereclus, Didier & Baum, James & Feitelson, Jerry & Zeigler, Daniel & Dean, D.H.. (2005). *Bacillus thuringiensis* and its insecticidal proteins. 62. 774-806.



2. Marroquin, Lisa & Elyassnia, D & Griffiths, J & Feitelson, Jerry & Aroian, Raffi. (2000). Marroquin LD, Elyassnia D, Griffiths JS, Feitelson JS, Aroian RV.. *Bacillus thuringiensis* (Bt) toxin susceptibility and isolation of resistance mutants in the nematode *Caenorhabditis elegans*. Genetics 155: 1693-1699. Genetics. 155. 1693-9.
3. Schnepf, E & Crickmore, Neil & Van Rie, Jeroen & Lereclus, Didier & Baum, James & Feitelson, Jerry & Zeigler, Daniel & Dean, D.H.. (1998). *Bacillus thuringiensis* and Its Pesticidal Crystal Proteins. Microbiology and molecular biology reviews : MMBR. 62. 775-806. 10.1128/MMBR.62.3.775-806.1998.
4. Crickmore, Neil & Zeigler, Daniel & Feitelson, Jerry & Schnepf, E & Van Rie, Jeroen & Lereclus, Didier & Baum, James & Dean, D.H.. (1998). Revision of the Nomenclature for the *Bacillus thuringiensis* Pesticidal Crystal Proteins. Microbiology and molecular biology reviews : MMBR. 62. 807-13. 10.1128/MMBR.62.3.807-813.1998.

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