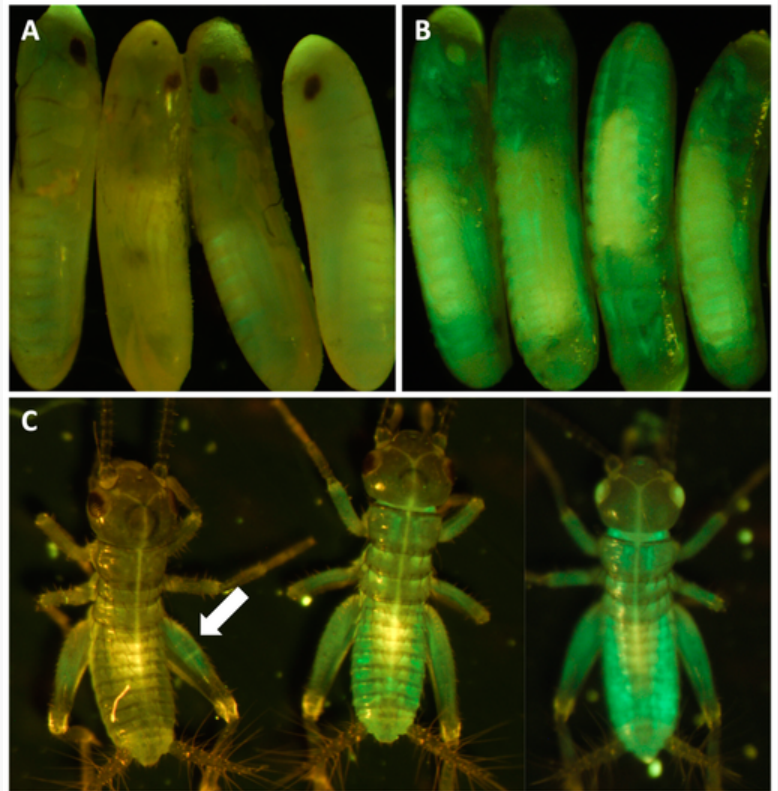


Dr. Aaron T. Dossey Revolutionizes Sustainable Food and Agriculture with Insect Genetic Engineering Research

Dr. Aaron T. Dossey's pioneering eco-friendly insect-based research showcases the interconnectivity of all life on earth, transforming sustainable agriculture

OKLAHOMA CITY, OKLAHOMA, UNITED STATES, April 5, 2023 /EINPresswire.com/ -- [All Things Bugs](#), the world's leading innovator in the insect industry, is delighted to announce Dr. Aaron T. Dossey of All Things Bugs has recently been recognized for his ground-breaking research entitled "[Genome and Genetic Engineering of the House Cricket \(*Acheta domesticus*\): A Resource for Sustainable Agriculture.](#)" This important research highlights the emergence of the insect-based food and feed industry with particular emphasis on how mass-produced insects can contribute positively to sustainable human existence.



Genetically engineered cricket eggs and crickets showing green fluorescent protein. Courtesy of Dr. Aaron T. Dossey.

"I am truly encouraged to see the growing interest in insect-based food and feed production, and I'm thrilled that our research at All Things Bugs is contributing to this important field. Our over a decade of work with insect based food product development, patented ingredient manufacturing, and insect farming automation has now added a new level of cutting edge technological advancement with the house cricket genome and genetic engineering. This is just the beginning of what we can achieve with sustainable insect farming. The future of food and agriculture is here, and insects will undoubtedly play a crucial role in meeting the challenges of feeding the global population," says Dr. Dossey.

The research revealed the biological blueprint of the house cricket, making it easier to manipulate its genetics for mass production. Through genetic engineering, the team will be able to increase the house cricket's nutritional value and reduce its environmental impact. This fascinating research also highlighted the importance of insect-based food and feed production in meeting the challenges of global food security, as insects are a highly efficient and sustainable protein source. What's more, this work lays the foundation for bioproduction of a large number of other valuable materials such as pharmaceuticals, vaccines, antibiotics, color pigments, enzymes, biomaterials (modified chitin) and many others.

Dr. Dossey's groundbreaking research is paving the way for the growth of large-scale insect farming and highlighting the crucial role of insects in achieving sustainable agriculture. His findings provide valuable insights into the use of cutting-edge eco-friendly technologies from insects to improve global food security and promote healthier living. Dr. Dossey invites everyone to explore and learn more about the potential benefits of insect-based solutions in addressing today's critical sustainability challenges.

About Dr. Aaron T. Dossey

Dr. Aaron T. Dossey is a Ph.D. in Biomedical Science, biochemistry and molecular biology, self-taught entomologist and founder of All Things Bugs, a leading innovator in the insect-based food and feed industry. With a passion for nature and biodiversity, Dr. Dossey explores the untapped potential of insects to improve global food security and promote sustainable agriculture. He is also chief editor and author of the ground breaking foundational text book "Insects as Sustainable Food Ingredients" available from Elsevier.

CONTACT: For more information about Dr. Dossey, his research, company or to schedule an interview for Television or print media, please feel free to contact us.

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