

BPIA New Member Introduction

Liz Freeman Rosenzweig, PhD, JD
Senior Counsel
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Fertilizer contains essential nutrients that plants need. 60% is nitrogen (chemical: ammonia, NH_3).

We need a better nitrogen fertilizer



Costs

Fertilizer accounts for 30-40% of farming operating expenses. Prices are volatile (tied to gas price).



Efficiency

50% of applied fertilizer runs off fields, damaging our ecosystems.



Climate

Over 1 gigaton CO_2e , equal to emissions of all US cars. N_2O is 250X worse than CO_2 .



National Security

Half the world's nitrogen fertilizer is made by China, Russia, and India.

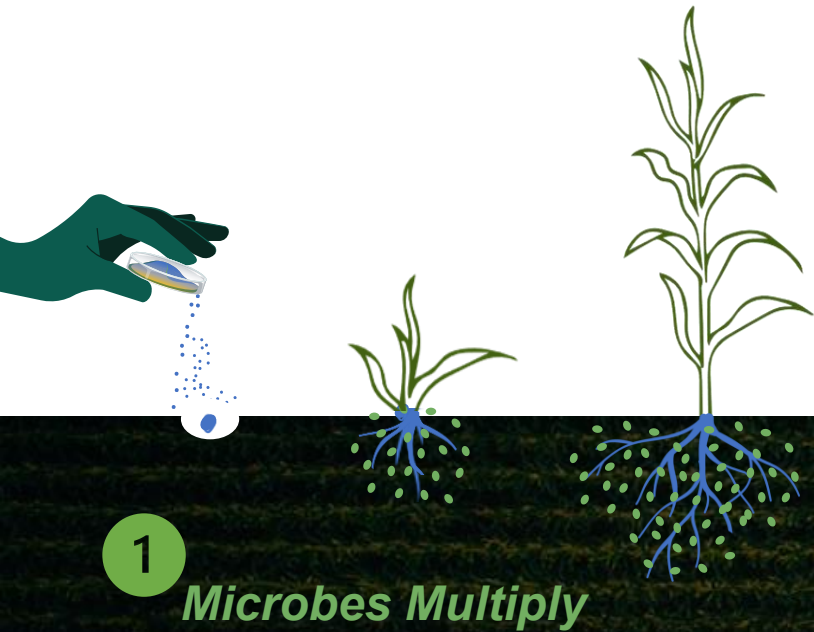
Biotech Startup Redefining Biofertilizer



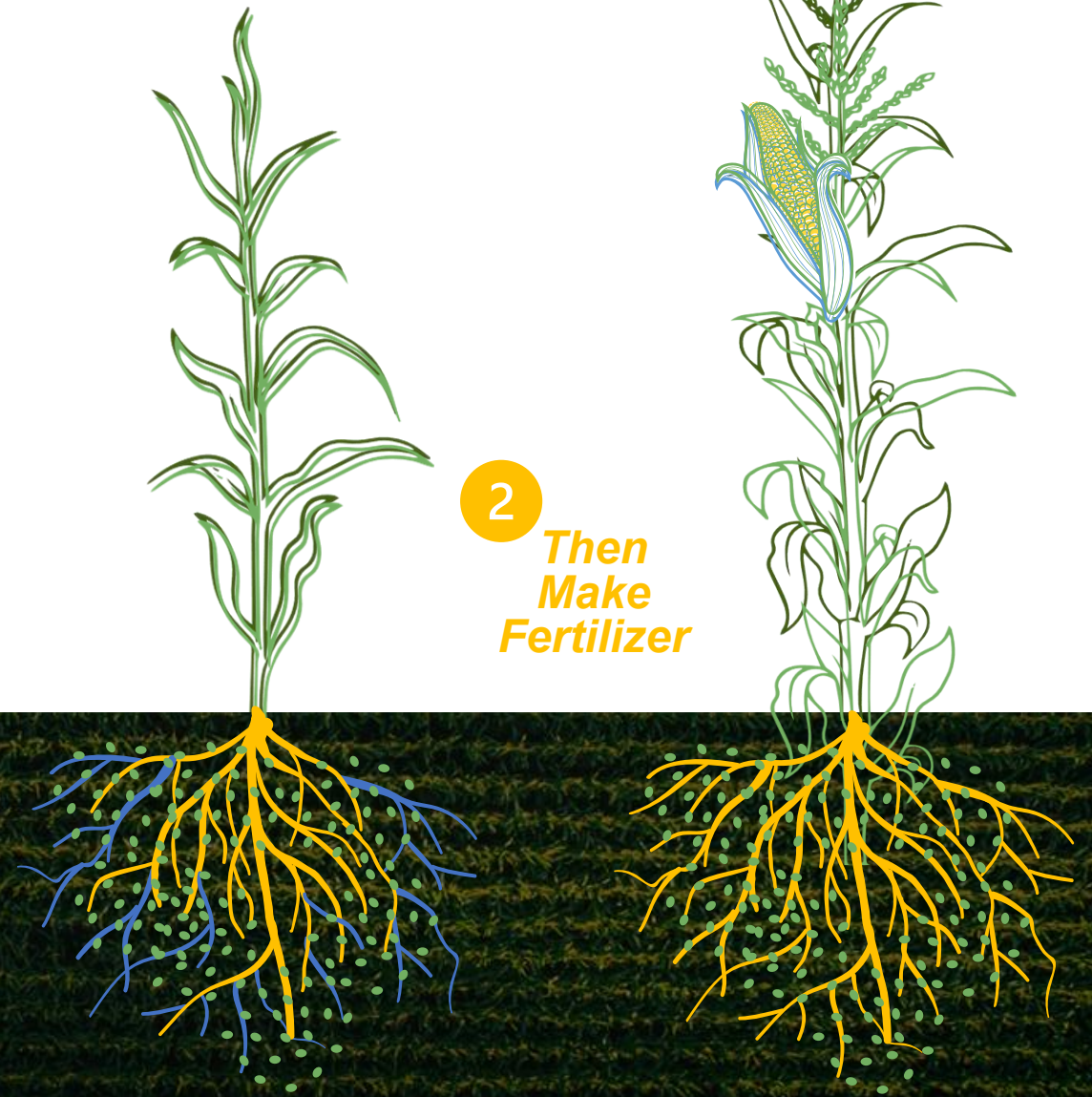
- Based in ***San Carlos, CA***
- Engineering wild microbial consortia to produce fertilizer ***where we want, when we want it***
- First goal: Reduce on-farm reliance on industrially produced ***nitrogen fertilizers***



Switches solve the challenge



SWITCH

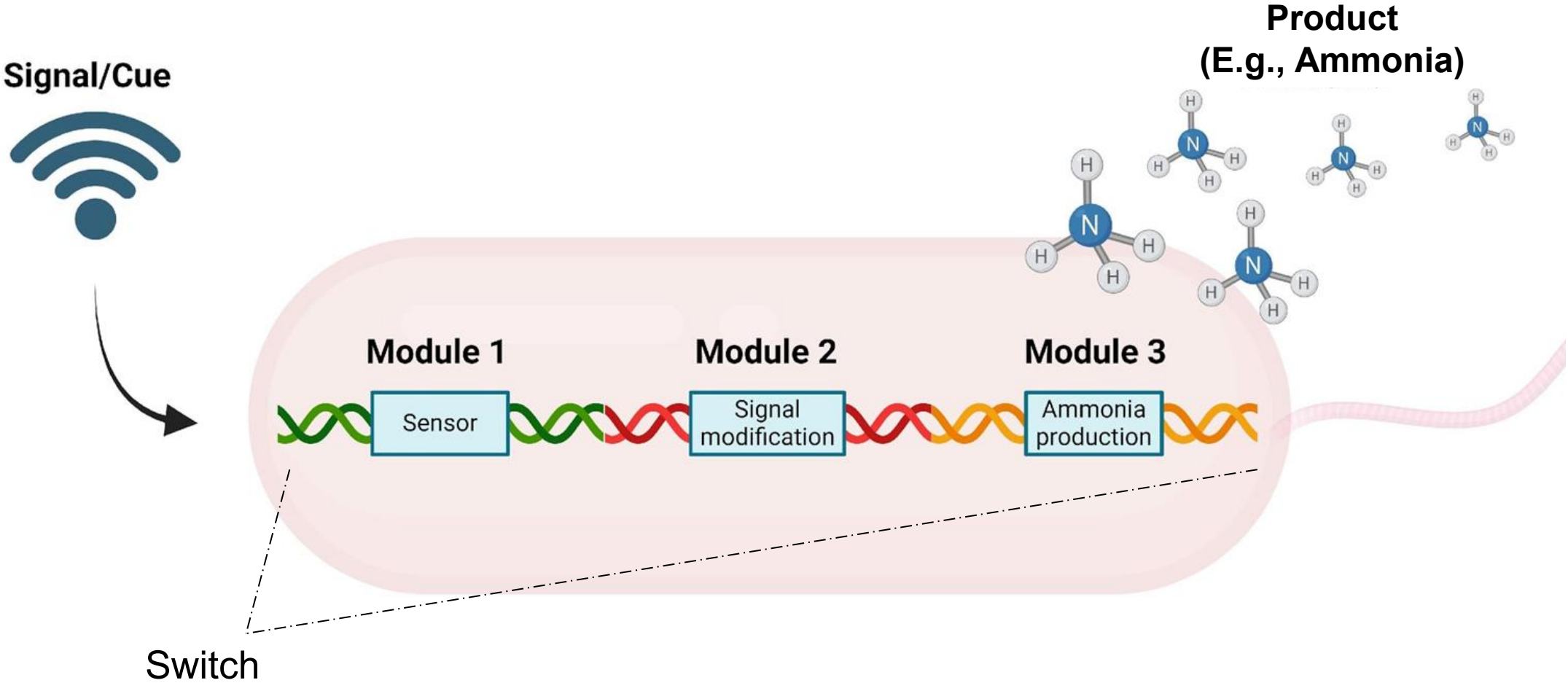


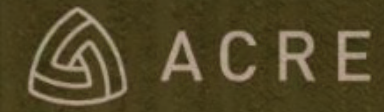
Switch off



Switch on

Our Modular and Scalable Engineering Platform





Let's discuss how we're rewriting the future of nitrogen. Find us to start the conversation!

Liz Freeman Rosenzweig,
Liz@switchbioworks.com

Greg Knauf,
Greg@switchbioworks.com

Thank you!

