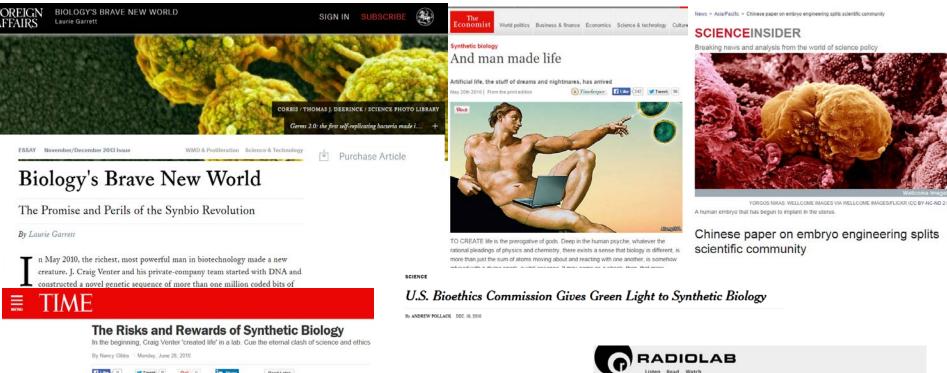
Public Engagement with Science: Synthetic Biology

Tiffany Lohwater

Deputy Chief of Communications
Director of Meetings and Public Engagement

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Beyond GMOs: The Rise of Synthetic Biology

Genetically modified organisms today usually have just one engineered gene. Scientists now want to create organisms with whole new gene

If We Create Life, Who Will Control It?

SEPTEMBER 17, 2014 9:06 AM ET

MARCELO GLEISER

Public Engagement with Science

- A multi-directional dialogue (<u>not</u> a lecture)
- Incorporates varied perspectives
- Listens to and respects the public
- Addresses not only benefits but also potential limits, perils, pitfalls of science and technology
- Informs conversation with scientific evidence
- Responds to societal issues and concern

PUBLIC ENGAGEMENT WITH SCIENCE:

A Visual Model



SCIENTISTS

CONTRIBUTE

Diverse methods and fields Process of "developing knowledge"

CAN OFFER INSIGHTS ABOUT

Process, discoveries, and people Issues Relevance Nature of science

ENGAGEMENT

Two-way (may be asynchronous)

Mutual learning (reflective, situational)

Format aligned with audience

CONTRIBUTE

Individual motivations and interests Social and community contexts Cultural contexts



CAN OFFER INSIGHTS ABOUT

Public interests, questions, and needs How to communicate relevance Societal impacts of science

Matchmaking / Expertise and research / Support and resources

Venue / Training / Connect scientists and public

PRACTITIONERS

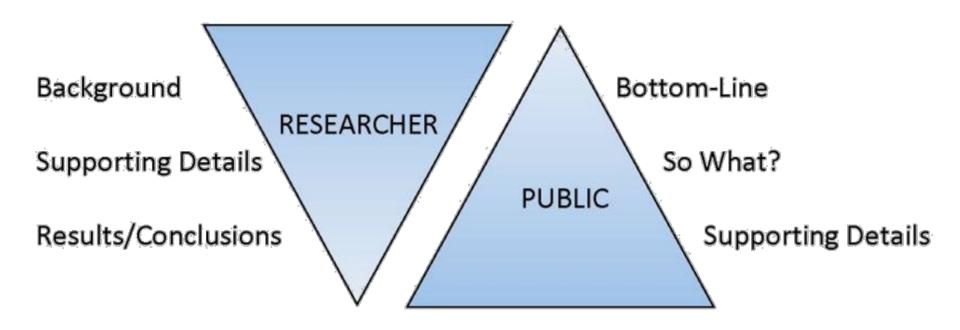


RESEARCHERS AND EVALUATORS

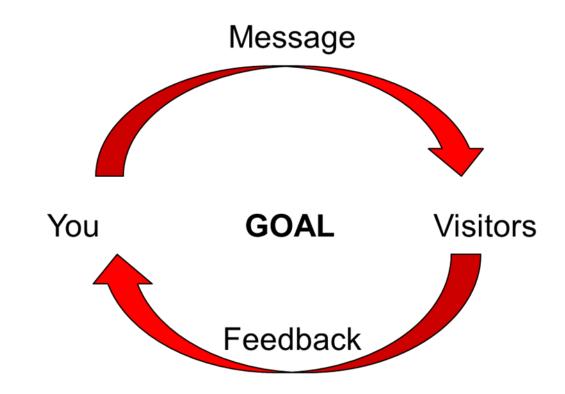
Study the Interactions

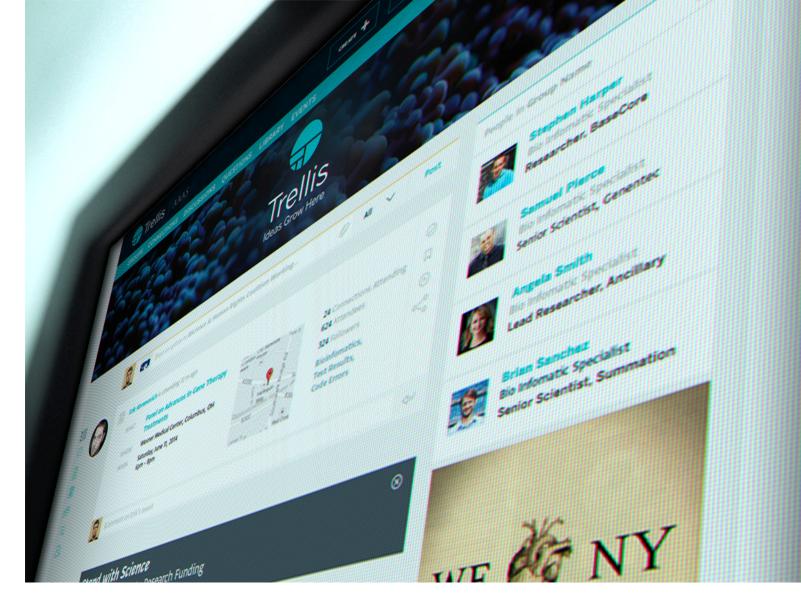


Clear, Concise Communication for Conversations and Activities



Clear, Concise Communication for Conversations and Activities





Want to join Trellis? public_engagement@aaas.org

Questions? Ideas?

Tiffany Lohwater

Email: tlohwate@aaas.org

Twitter: @tiffanylohwater

Web: www.aaas.org/pes