

Submission: American Geophysical Union, Voices for Science

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Interogenesis Designs  
February, 2024

## Voices for Science – Communications Track

Website: <https://www.agu.org/honors/voices-for-science>

### Why are you interested in participating in the American Geophysical Union Voices for Science Communication Track?

To make a positive impact upon people, society and the planet. I see a clear opportunity to translate current research in astrobiology (origin of life, protocell) to positively impact individual and population health - and I may be one of the first to identify this large scale opportunity. As well, this will satisfy a longer term goal to solve a medical/healthcare science riddle, as the pocket of research in astrobiology fills a concept gap in the basic sciences. So, I'm here for an adventure ride as well.

Many people on the planet are facing historic challenges. There are a set of principles and solutions arising within astrobiology that I believe, when skillfully crafted into media messages and curriculum, can help alleviate some of these challenges. I am a professional healthcare worker, and a science communicator. As a caring professional I see an opportunity to translate hardcore astrobiology science into practical, useable information and skills that can help many people. Astrobiology can make the world a better place – and I can craft that story.

### What is your occupation that relating to communicating earth and space sciences?

In my job as a healthcare professional I teach anatomy and physiology principles to clients and students. The principles I teach cover a broad range of western medical principles and integrated health principles. These principles are conveyed using approached from the arts, humanities, and the sciences. These health promotions course are intended to improve the health of the cleints and to educate other health practitioners.

I have identified an opportunity to translate existing research in astrobiology into a simple, practical set of principles and skills that address common healthcare issues and concerns of a broad portion of the population. I help people lives healthier lives.

## What is the relevance of your work to communicating earth and space sciences.

It is commonly stated that the western healthcare system is overly expensive, creates too many errors, and contains many gaps. My Voices for Science initiative will provide one step to help resolve those enormous challenges with an innovative translation of astrobiology science principles into health care and medical principles. Why will this help? The communication initiative I will conduct conveys how astrobiology principles, specifically the protocell model, address a historic oversight in the taxonomy classification of humans. My interpretation of the protocell model provides a solution, that over time, can improve the health of the population. It is an innovative STEM/ healthcare theme.

## What is your comfort in communicating to the general public, policy stake-holders, or to industry?

High and moderate. I have been teaching publicly for over 10 years – small workshops live and on zoom. . My prior jobs were in education and technology sales and marketing, including face to face sales presentation, and lots of public face to face contact discussing biology, anatomy and physiology, and the underlying science.. My experience with policy makers in low, yet with a little training I can be savvy.

## To which audiences have your cultivated contacts?:

My network is primarily in the healthcare industries, from the president of the National Academy of Medicine, to public education and outreach groups within the Integrative Health Field, and networks on mental health professionals.

## What is your training in communication?

I recently attended the Science communication day long preconference workshop with Jessica Swan at AGU Fall meeting in San Francisco 2023.

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## What specific specific science issues interest you?

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