

BIOENGINEERING

Weekly Newsletters (May 2 - May 8, 2021)

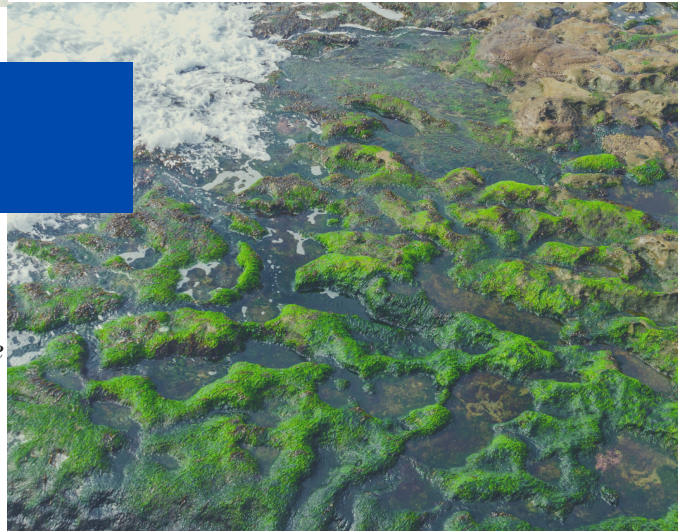


THEME

Your future clothes may be made of algae. Novel bioprinting technique uses 3D printer to print algae into living, photosynthetic material.

METAPHOR

Algae is more than just the icky, slimy, scum on ponds; algae makes half of the oxygen you breathe! Are you treating those around you like the gorgeous, life-giving algae that they are or like scum? How you treat others influences your success!



INSPIRATION

Dr. Srikanth Balasubramanian is a microbiologist and postdoctoral researcher at Delft University of Technology 3D printing microorganisms that could be deployed in smart fabrics.



CAREERS

Tissue Engineering, Biofabrication, and 3D-Bioprinting is projected to be a \$2.6 billion dollar industry by 2024. Within 20 years we will have the ability to bioprint artificial organs like the heart. To get into this up-and-coming field requires a degree in bioengineering and for most positions a doctoral degree.

TIPS

Be careful looking at job growth projections. Depending on the source, biomedical engineering is projected to grow 23-72% - talk about a wide range. US Bureau of Labor Statistics can be a good source if you are careful with your search terms.



INTERVIEW PREP

Some companies may ask you to use a whiteboard rather than a computer during a coding interview - having you explain your process as you go so they understand your communication and problem solving skills. Practice with a peer beforehand!

CONTACT SSCC

*For help picking or pursuing a career, contact **Dr. Cassie Briggs** at Success in Science Career Coaching. She specializes in helping high-school thru grad/professional students succeed in STEM.*

Website: successinscienceCC.com

Email: cassie@successinscienceCC.com

Phone: (313) 242-7131

