

DBC TED Talk Discussion
September 2017

Dietitians in Business and Communications
a dietetic practice group of the
eat right. Academy of Nutrition and Dietetics

TED Talk Discussion
Innovations in Food in 2017

September 21, 2017

Moderator

Tori Schmitt, MS, RDN, LD



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Learning Objectives

- ▶ At the conclusion of this TED Talk discussion, participants will be able to:
 - ▶ Discuss various advances in technology – including advances in vertical farming, carbon recycling, and The Internet of Things (IoT)
 - ▶ Describe advantages and disadvantages of new technology in relation to the healthcare and food industry professional
 - ▶ Analyze one’s own approach to the adoption of new technology
 - ▶ Understand how colleagues are adopting significant technological advancements in their own work and life

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Discussion Housekeeping

- ▶ This is intended to be a **highly interactive** event – we want to hear what you have to say!
 - ▶ Remember, there is no right answer.
 - ▶ The value of this call comes through **discussion**.
- ▶ Please **mute** your line until we get to our discussion questions
- ▶ Say your **name** and **area of practice** before speaking
- ▶ DBCmembers - CPEU documentation
 - ▶ www.dbconline.org → Member Benefits → Educational Resources
 - ▶ The CPEU certificate will be posted immediately following the webinar.
 - ▶ Not currently a DBC member? Join for 2017-18!

▶ Follow us on  @DBCDPG

Today's TED Talk Discussion (Lisa Dyson)

A Forgotten Space Age Technology Could Change How We Grow Food - Lisa Dyson - TED

- ▶ Lisa asks: what if you could grow crops in a matter of hours in space?
 - ▶ She says scientists at NASA actually discovered how to do this!



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Today's TED Talk Discussion (Lisa Dyson)

The Closed Loop Carbon Cycle – In Space

- ▶ Uses microbes (hydrogenotrophs - "nature's supercharged carbon recyclers")
 - ▶ Astronauts breathe out CO₂ which would be captured by microbes and converted into a nutritious, carbon-rich crop
 - ▶ Astronauts eat the carbon-rich crop and exhale the CO₂, which would be captured by the microbes



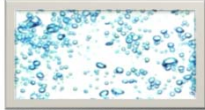
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Today's TED Talk Discussion (Lisa Dyson)

The Closed Loop Carbon Cycle – On Earth

- Lisa and her team started a company to use hydrogenotrophs here on Earth
 - Made essential amino acids
 - Made oils (similar to citrus and palm oil)
- Currently working with manufacturers to bring these products to market
- Says the products are beneficial to the planet and beneficial for business



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Today's TED Talk Discussion (Lisa Dyson)

A Sustainable Solution?

- Lisa says modern agriculture cannot sustainably scale to meet consumer demand
 - Modern Ag emits more greenhouse gas than all forms of transportation combined
 - Modern Ag takes up a lot of land
- Lisa says these microbes can be part of the solution - recycling carbon into nutrients needed like oils, proteins, minerals and carbohydrates
 - Says we are already enjoying microbes anyway (beer, cheese, wine, yogurt, etc.)
 - Scale vertically
 - "A new type of agriculture" that can "sustainably scale."

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Today's TED Talk Discussion (Taylor Romero)

Technology will change retail shopping - but it's not what you think - Taylor Romero, TEDxMileHigh

- Taylor and wife started a business – a boutique x barber shop
 - Used technology to its "fullest"
 - Says that in the future, the internet will be all around you



▶ Please mute your line.

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Today's TED Talk Discussion (Taylor Romero)

- Taylor provides rebuttals to common negative thoughts regarding technology
- Motors → Microchips → Items connected to the Internet
- Says the "Internet of the Future" is on it's way
 - The Internet of Things
 - Washing machines, refrigerators, buttons
- Technology helps provide helpful insights
 - Booking appointments, sending messages, avoiding "buffering"

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Today's TED Talk Discussion (Taylor Romero)

- Taylor shares the story of new customer
 - New customer left a message that he is deaf
 - The associate learned sign language
 - The man had an enjoyable experience
- "The Internet of the Future is coming, and it's not what you expect."



▶ Please mute your line.

Discussion Question #1

***Reminder: Say your name and area of practice before speaking!**

1. Do you feel that it is important for Registered Dietitian Nutritionists to stay abreast in advancements related to food and computer technology? Why?



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Discussion Question #2

***Reminder: Say your name and area of practice before speaking!**



2. In her talk, Lisa Dyson calls for the use of vertical agriculture and carbon recyclers. What are some of the benefits of these technologies? What are the pitfalls?

▶ Please UNMUTE your line to speak

Discussion Question #3

3. Do you have experience or knowledge in vertical farming, or know of someone who does? Share your comments with the group!



***Reminder: Say your name and area of practice before speaking!**

▶ Please UNMUTE your line to speak

Discussion Questions #4-5

4. The title of Taylor Romero's talk is "technology will change retail shopping." In recent years, how has technology changed grocery shopping? What do you envision will change in the future?

5. In his talk, Taylor Romero highlights the importance of the human connection in addition to the development of new technologies. Take a look at your current use of technology: is there anything you can do to deliver better human connection?

***Reminder: Say your name and area of practice before speaking!**

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Discussion Question #6

- ▶ Looking on your past experiences, do you think you are traditionally a(n):
 - ▶ Innovator,
 - ▶ Early adopter,
 - ▶ Part of the early majority,
 - ▶ Part of the late majority, or
 - ▶ A laggard when it comes to changing technology?
- ▶ Do you feel differently about technology in your food versus technology in your computers?



***Reminder: Say your name and area of practice before speaking!**

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Discussion Question #7

- 7. Share an example of how you or how your workplace has adopted new technology within the last year. What technology are you using? Why? How did you and/or staff adapt to changes?



***Reminder: Say your name and area of practice before speaking!**

▶ Please UNMUTE your line to speak

Thank You!

thank you!

▶
