

2020 ADEA CCI LIAISONS SUMMER MEETING

FUTURE READY NOW!

JUNE 9 - 11, 2020
MINNEAPOLIS, MN

ADEA | THE VOICE OF
DENTAL EDUCATION



2020 ADEA Commission on Change and Innovation in
Dental Education (ADEA CCI) Liaisons Summer Meeting
June 9–11, 2020
Minneapolis, MN

Future Ready Now!

Preliminary Agenda (2-26-20)

Overview

The future is here. Are you future ready? Artificial intelligence and digital dentistry are upending traditional dental procedures. Machine learning and natural language processing is resulting in virtual assistants that allow dental providers to voice-command specific radiographs to view, identify decay, complete a thorough diagnosis and design a treatment plan. Augmented and virtual reality promises to improve health outcomes in addition to the dentist-person experience. Robotics and dynamic navigation are now part of daily practices for dental implant placement. What will the future dentist need to know? What will the dental school of the future look like? How will the dental curriculum need to adapt so today's graduates can practice successfully in 2040?

Join us for the 2020 ADEA Commission on Change and Innovation (ADEA CCI) in Dental Education Summer Meeting as we preview and interact with the future now, explore the critical data dental education will need to fulfill the promise of data-driven dentistry, and collaborate with other dental educators to determine education models that support the future of dental education with the first ADEA CCI 2.0 Hackathon!

The future is here—are you future ready?

Meeting Learning Objectives

- Explore cutting-edge technologies upending traditional health care models.
- Describe the impact data-driven health care will have on the dental profession.
- Discuss value-based health care outcomes and their relationship to person-centered care.
- Identify how social determinants of health play a critical role in artificial intelligence (AI) and outcomes-based care.
- Construct future models for the dental school environment using a validated educational “Logic Model” approach.

adea.org/cc2020

[#cc2020](https://twitter.com/cc2020)

Tuesday, June 9

7:00 a.m. – 3:00 p.m. **Registration and Information**

7:00 – 8:00 a.m. **Networking Breakfast**

8:00 – 8:15 a.m. **Welcome**
Ryan Quock, D.D.S.
Chair of the ADEA Board of Directors

8:15 – 9:00 a.m. **Future Readiness**
Ryan Quock, D.D.S.

Anthony Palatta, D.D.S., Ed.D.
ADEA Chief Learning Officer

Session description to come.

9:00 a.m. – noon **Destination: Disruption**

AI, robotics, augmented/virtual reality interactive session.

This is your opportunity to have hands-on interaction with cutting-edge technologies that promise to transform health care.

See the “Our Demonstrators” section following the end of the agenda.

Noon – 1:00 p.m. **Networking Lunch**

1:00 – 2:30 p.m. **The Changing Value of Oral Health**

Sean G. Boynes, D.M.D., M.S.
Vice President, Health Improvement, DentaQuest Partnership for Oral Health Advancement

Tamanna Tiwari, B.D.S., M.D.S., M.P.H.
Assistant Professor, Department of Community Dentistry and Population Health, University of Colorado School of Dental Medicine

Shifting priorities and a changing financial landscape in the health care marketplace is forcing health systems and organizations to re-evaluate care delivery and payment. As benefit companies and care organization are aligning care systems to more directly reflect person-centered care, social determinants of health will begin to emerge as the critical data and drivers necessary to improve health outcomes. This presentation will highlight the role of a person in health care as a co-designer of health and the shift of services to optimize well-being instead of a continuum of disease stabilization. The presentation will also highlight how dental

education can embrace this new paradigm in training the future dental workforce.

Learning Objectives

- Discuss opportunities person-centered care models can provide for oral health care.
- Describe how innovative providers and systems are implementing person-centered care practices into day-to-day operations.
- Discuss challenges and facilitators that impact the development and implementation of person-centered care.
- Explain the value of social determinants of health as a driver for improved health outcomes.

2:30 – 2:45 p.m.

Networking Break

2:45 – 3:30 p.m.

Data Scientists' View

Speaker(s) and session description to come.

3:30 – 4:30 p.m.

Hackathon Prep/Return to Disruption

Overview of the Logic Model/Proposed Hackathon Topics

Irina Dragan, D.D.S., D.M.D., M.S.
Tufts University School of Dental Medicine

4:30 p.m.

Dinner on Your Own—Enjoy the Twin Cities!

Wednesday, June 10

7:00 a.m. – 3:00 p.m.

Registration and Information

7:30 – 8:30 a.m.

Connecting With Colleagues Breakfast

8:30 a.m. – noon

Hackathon Session I

Using the Hackathon framework, this collaborative event focuses on finding solutions that will guide the future of dental education. Participants will be divided into teams and each team will find solutions to a specific topic. To guide the conversation, participants are encouraged to use the logic model, but are encouraged to think outside of the box. At the end of the session, each team will present their ideas to a team of judges, as well as the other the meeting participants.

Pending topic teams:

- Future-ready Dental School Applicant Pool
- Future-ready Dental School Graduate
- Future-ready Dental School Faculty Body
- Future-ready Dental School Curriculum

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Noon – 1:00 p.m.	Networking Lunch
1:00 – 4:00 p.m.	Hackathon Session II
4:00 – 5:00 p.m.	Celebrate ADEA CCI Reception!
5:00 p.m.	Dinner on Your Own—Enjoy the Twin Cities!

Thursday, June 11

7:00 – 8:00 a.m.	Networking Breakfast
8:00 – 10:30 a.m.	Hackathon Presentations and Outcomes
10:30 – 11:00 a.m.	Closing Remarks and Summary of Discussions

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The American Dental Education Association designates this activity for **16** continuing education credits.

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All speakers agree that neither they nor members of their immediate family have any financial relationships with commercial entities that may be relevant to their presentation.

OUR DEMONSTRATORS (2-26-20)

ADEA CCI is proud to welcome these distinguished “futurist” demonstrators to our yearly meeting. Stay tuned to this page for more demonstration announcements.

Alexander A. Bendayan D.D.S., CAGS

Clinical Associate Professor

Assistant Dean for Digital Development & Clinical Training

Ad interim Chair for the Department of Restorative Sciences and Biomaterials

Boston University Henry M. Goldman School of Dental Medicine



Demonstration Product: Yomi Robot by Neocis Inc.

“The Yomi Robot assists surgeons with placing dental implants using 3D imaging, a robotic arm and haptic technology. This, together with radiographic markers, an accurate 3D scan and anatomical landmarks, robotically assists the surgeon with placing dental implants with or without the presence of teeth and with no need for a surgical guide. The 3D scan and the robot connect to the patient via a tracking arm, allowing the robot to move with the patient and prevent operator errors on angulation and depth. This is definitely the best accuracy and precision a system can provide to surgeons. As with everything in technology, the learning curve is slow, but with experience it results in efficient patient care. The Yomi can prevent errors by providing constant feedback to the surgeon through a series of steps to guide the surgeon and staff through the process, but it can also be placed on a free mode when necessary. Yomi is not an automated robot; it is intended to provide robotic and precise assistance.”

Dr. Alexander Bendayan

ACKNOWLEDGEMENTS

ADEA would like to thank the following members for their generous contributions to this meeting:

Our Technology Curators:

Gulsun Gul, D.D.S., M.B.A., M.P.H., M.S.

Assistant Professor at the Division of Medicine, Department of Comprehensive Care, and
Assistant Professor at Department of Pediatric Dentistry
Tufts University School of Dental Medicine

Hubert K. Chan, D.D.S.

Associate Dean for Integration of Technology, Curriculum, and Learning Environments,
Associate Professor
Western University of Health Sciences College of Dental Medicine

Our Planning Committee:

Michael D. Wolcott, Pharm.D., Ph.D., BCIDPS

Director of Educational Resources and Scholarship
University of North Carolina at Chapel Hill Adams School of Dentistry.

Ryan Quock, D.D.S.

Chair, ADEA Board of Directors
Associate Professor
University of Texas School of Dentistry at Houston

And a special thanks to **Susan M. Ferrante**, ADEA Board Director for the Corporate Council, for her thoughtful guidance.