



Interested in Shaping the Future of Radiation Oncology through Advanced Computing and AI?

*SAVE THE DATE for the Kickoff Virtual Workshop:
January 29, 1:30 pm – 3:30 pm ET!*

What: A series of visionary, interactive workshops—*a cutting-edge exploration of transformative multidisciplinary approaches that exceed the current paradigm in radiation oncology.*

Origin: Since 2016, the National Cancer Institute (NCI) and the U.S. Department of Energy (DOE) have been collaborating on the *Joint Design of Advanced Computing Solutions for Cancer (JDACS4C)* program whose mission is to simultaneously accelerate advances in predictive oncology and computing. Advancing development of radiation oncology is an emerging focus area.

Purpose: Explore emerging and futuristic opportunities among DOE, NCI and partner institutions to advance radiation therapy. Essential components include:

- Personalized, adaptive, improved treatment through understanding and development of mechanism-based, computationally enabled modeling; and
- Advanced computing to achieve dynamic, multiscale, data-informed, clinically actionable predictions and decision making

Outcomes: Creation of scope and goals for a potential new NCI-DOE Collaboration project and development of a whitepaper aimed at driving the future of radiation oncology.

*Join the [Kickoff \(http://bit.ly/37XqsV5\)](http://bit.ly/37XqsV5) on January 29, 1:30 pm – 3:30 pm ET!
Leading experts will set the stage for
*The Future of Computing & AI in Radiation Oncology**

Also Mark your Calendars for the follow-on virtual interactive workshops and the final World Café!

March 10, 2021 *New Data and New Observations: Radiobiology Endpoints for Enhancing Radiotherapy, Chemotherapy and Immunotherapy Treatment*
1:00 pm – 5:00 pm ET

March 12, 2021 *Frontiers of HPC Modeling and Simulations for Multiscale Radiation*
1:00 pm – 5:00 pm ET

March 18 *Biomarkers for Radiation Oncology and Machine Learning*
1:00 pm – 5:00 pm ET

March 19 *Multimodal Patient Trajectories—Modeling and Predictive Modeling for Clinical Impact*
1:00 pm – 5:00 pm ET

March 29 *World Café-style Workshop—Culmination (full day)*
12:00 pm – 6:00 pm ET

**Watch for registration details coming soon and
Please send to anyone who may be interested!**

Link to flyer: http://bit.ly/radiation_onc_flyer

Questions? Contact ECICC_Community@nih.gov

