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Type: **Invited**

Role of imaging in radiation therapy / theranostics

Tuesday, 6 September 2022 09:30 (30 minutes)

With the advancements in the precision of modern radiation therapy techniques and the improved understanding of the underlying biology, there is emerging interest in the integration and harnessing of imaging techniques that can aid the cancer management in the entire treatment chain, from the initial diagnosis through the image-guided treatment up to the follow-up assessment. This talk will particularly review the role of emerging imaging modalities to be integrated in the treatment site in pre-clinical and clinical research, with emphasis on applications in particle therapy, showing the main current achievements along with the remaining challenging demands as well as opportunities for future development.

Topic Selection

Presenter: PARODI, Katia (Ludwig-Maximilians-Universität München, Munich, Germany)

Session Classification: Oncology and other applications

Track Classification: Oncology