

## INFORM – 1 Day Seminar



NCSR Demokritos, Athens



13<sup>th</sup> of January 2023

### *Advanced Computational Techniques for Oncology: Towards Explainable Artificial Intelligence*

#### Program

9:45 – 10:00:	Registration / Coffee
10:00 – 10:15:	Welcome
10:15 – 11:00:	PET/CT in oncology application and history of radiomics <b>(LaTIM – Mathieu Hatt)</b>
11:00 – 11:45:	Deep learning in radiomics applications <b>(LaTIM – Wistan Marchadour)</b>
11:45 – 12:30:	Coffee break
12:30 – 13:15:	Monte Carlo simulations for medical imaging <b>(BIOEMTECH – Panagiotis Papadimitroulas)</b>
13:15 – 14:00:	GATE MC simulations – Demonstration / Examples / Practical <b>(BIOEMTECH – George Savvidis)</b>
14:00 – 15:00:	Lunch break
15:00 – 15:45	Machine Learning and Interpretability in Biology and Medicine <b>(UW – Neo Christopher Chung)</b>
15:45 – 16:15	Coffee break
16:15 – 17:00	Interpretable Deep Learning for Medical Images <b>(UW – Lennart Brocki)</b>
17:00 – 17:30	Q&A – General discussion – Conclusions

\*Project website: [INFORM](#) & [CHISTERA](#)