Maria Rosaria Lancia is an Associate Professor of Mathematical Analysis at the Department of Basic and Applied Sciences for Engineering (SBAI), Sapienza University of Rome. She holds a degree in Mathematics and a Ph.D. in Applied and Theoretical Mechanics from Sapienza University.

Her core research lies in applied mathematics, with a particular focus on partial differential equations and mathematical modeling of diffusion phenomena across complex, irregular, and (nano)fractal structures. Throughout her career, she has investigated boundary value problems, fractal homogenization, and nonlocal operators, publishing extensively in top-tier international journals and serving on several editorial boards. She is also actively involved in international research networks, including COST Actions such as CA24122 (mSPACE) and CA18232. In the applied domain, she recently participated in the MISE-Airone strategic project with the Lauro Group, co-authoring a study proposing an Artificial Intelligence model to optimize ship boarding times for the fleet.

Alongside her research, Professor Lancia is deeply dedicated to educational innovation, academic guidance, and university governance. She serves on the Board of Sapienza's Teaching Learning Center (TLC) and has represented the institution as a delegate to the European CESAER network within the Learning & Teaching Task Force. She is also the Faculty delegate for students with disabilities and specific learning difficulties (DSA), as well as the coordinator of the Didactic Observatory of the courses in Civil and Enviroment engineering.

Co-author of several university textbooks on Calculus and Mathematical Analysis, she actively leads STEM outreach programs and PCTO initiatives (such as "Verso il test d'ingegneria" and "Per Lei STEM") aimed at promoting science education, supporting smooth transitions from high school to university, and fostering innovative teaching practices.