



The Elixir Italy Training Platform is pleased to certify that

Andrea Guarracino

has successfully delivered the **Computational Pangenomics Course** that took place at the Sapienza University of Rome, Building CU010, Piazzale Aldo Moro 5, 00185 Rome, Italy, playing the role of **instructor** and **organizer** from June 19, 2024 to June 21, 2024.

On behalf of the Elixir Italy Training Committee

Luana Licata

A handwritten signature in blue ink, appearing to read "Luana Licata".