

Wednesday, May 20

13:30 - 16:00
Sala Antares

>>> Pre-Conference Advanced Course

Advanced diagnostics: resistance, an old problem that is becoming new?

The availability of new drug classes, together with the revival of older ones such as NNRTIs, has expanded opportunities for treatment. These promising strategies, apparently "easy to use" in PWH recently diagnosed or virologically suppressed under high genetic barrier regimens, may however raise concerns when used in individuals with prolonged treatment exposure and archived resistance. In this context, the aim of the course is to provide an updated overview of resistance profiles associated with both older drugs retaining efficacy and newer agents, with particular attention to their genetic barrier. Building on these insights, the course will also address emerging diagnostic tools to detect archived and epistatic resistance, emphasizing their relevance for both laboratory assessment and clinical decision-making.

Chairs: Daniele Armenia (Roma), Francesco Saladini (Siena)
Discussants: Bianca Bruzzone (Genova), Saverio Parisi (Padova)
13.30 - 13.50 Shifting resistance landscapes: the comeback of NNRTIs, the retreat of PIs, and the rise of INSTI challenges
Roberta Gagliardini, Roma
13.50 - 14.00 Discussion
14.00 - 14.20 Assessment of archived resistance and new technologies: sensitivity and APOBEC-related concerns
Maria Santoro, Roma
14.20 - 14.30 Discussion
14.30 - 14.50 Epistatic resistance in HIV-1: a new dilemma for diagnostics and treatment?
Ilaria Vicenti, Roma
14.50 - 15.00 Discussion
15.00 - 15.20 Is now the time for whole-genome sequencing in resistance assessment?
Rossana Scutari, Roma
15.20 - 15.30 Discussion
15.30 - 16.00 Final discussion and considerations
*Daniele Armenia, Roma
Francesco Saladini, Siena*