



PLAS • FIGHTER

Plasmid Biology & Evolution

A groundbreaking project led by
our researcher Álvaro San Millán

Antimicrobial Resistance (AMR) Glossary



Fluoroquinolones, such as ciprofloxacin, norfloxacin and many others, are a class of **antibiotics** used to treat various bacterial infections, including those of the **respiratory and urinary tracts.**



Introduced in the 1980s,
**overuse and misuse of
fluoroquinolones** have
led to the **emergence and
spread of resistant
bacteria**, reducing their
effectiveness.



Since the mid-2010s, the use of fluoroquinolones **has been restricted** in many international clinical guidelines, being limited to situations where **safer or more effective alternatives are not available.**



By studying the ecology and evolution of AMR plasmids, the **PLAS-FIGHTER** project is working to shed light on their role in resistance spread and uncover new strategies to tackle this growing threat.



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