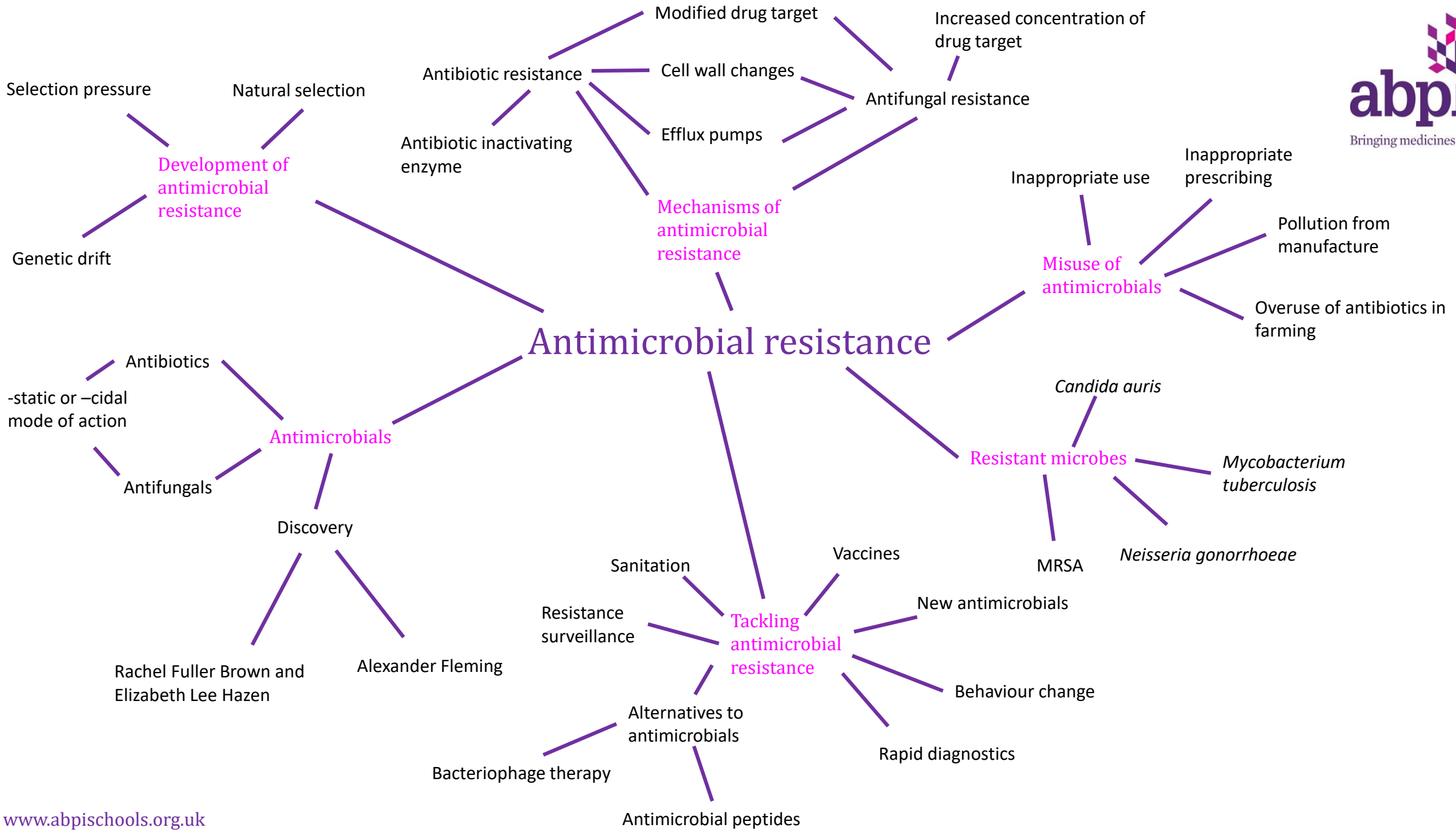
Antimicrobial resistance
Development of antimicrobial resistance
Selection pressure
Natural selection
Genetic drift
Mechanisms of antimicrobial resistance
Antibiotic resistance
Modified drug target
Cell wall changes
Efflux pumps
Antibiotic inactivating enzyme
Antifungal resistance
Increased concentration of drug target
Misuse of antimicrobials
Inappropriate use
Inappropriate prescribing
Pollution from manufacture
Overuse of antibiotics in farming
Antimicrobials
Antibiotics
-static or –cidal mode of action
Antifungals
Discovery
Rachel Fuller Brown and Elizabeth Lee Hazen
Alexander Fleming
Resistant microbes
Candida auris
Mycobacterium tuberculosis
MRSA
Neisseria gonorrhoeae
Tackling antimicrobial resistance
Sanitation
Vaccines
Resistance surveillance
New antimicrobials
Behaviour change
Rapid diagnostics
Alternatives to antimicrobials
Bacteriophage therapy
Antimicrobial peptides