

**Abstract - Presentation for the Workshop " Early Discovery of New Antibiotics"
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Name of speaker:	Jean-Claude Sirard
Name of presentation:	ABIMMUNE: Repurposing disused antibiotics with immune modulators as antimicrobial strategy for respiratory tract infections



Abstract: The proposal ABIMMUNE aims to enhance the therapeutic arsenal against respiratory infections. The idea is to combine Neglected and Disused AntiBiotics (ND-AB) with registered immune modulators that impact host innate immunity. There are several advantages to this approach: first, antibacterial activity of innate immunity is independent of antibiotic-resistance. Second, it is difficult for the pathogen to develop resistance to innate immunity. Third, targeting host innate immunity may reinstate some immune defense in vulnerable patients. Fourth, innate immunity and ND-AB may synergize to kill bacteria. Fifth, using ND-AB may globally dampen the proportion of bacteria resistant to first-line antibiotics, allowing their maintenance in clinics.