Category	Positive Impacts	Negative Impacts
Environmental	• Allows for the targeting of problematic bacteria in nature (e.g. targeting of unwanted biofilms coating pipelines)	 The targeting of specific bacteria could disrupt natural ecosystems (e.g. natural biofilms supporting other organisms are targeted) We decide which bacteria are problematic for us and select which we think are beneficial for us (i.e. there is no longer natural selection)
Ethical		 How will clinical trials be established and ethics granted (especially if giving live bacteria to people)? Giving of live bacteria to people (i.e. Champion Cells)
Legal		 How would be in charge of regulation and quality control? Researchers working in the lab with extremely pathogenic and virulent bacteria. Something goes wrong who's to blame? Who is responsible if something goes wrong when live bacteria are given to patients to treat infection?
Economic	 Availability of new antibiotics my lead to cheaper treatments of infection than current multi-drug regimes Faster detection of infections and treatment may increase turn- around time thereby decreasing the economic burden on the Health Care System 	 Who will profit from this idea/treating of infection? Patents on signalling molecules? Bacteriocins? Quorum-coupled Bacteriocin Release Systems (i.e. engineered organisms)? Is access to these new treatments determined on a financial basis? Who will pay for these treatments? Governments? Patients?
Social (including Medical)	 May help in the targeting of bacterial-based bioweapons, thus rendering them useless Availability of new antibiotics to fight infection. Improved treatments from perspective of side-effects and recovery time. Faster detection of causative organisms of an infection using biosensor ability of system 	 People may refuse new treatments because they feel uncomfortable with being given live bacteria to cure infections People may feel uncomfortable with being treated with engineered organisms Development of new antibiotic resistance to bacteriocins because of failure to comply with treatment regime