

About Agile Sciences Inc

Malcolm Thomas

Agile Sciences Inc, USA



Abstract

Agile Sciences, Inc. is a pre-clinical stage biopharmaceutical company based in Raleigh, North Carolina that is pioneering an entirely new mechanistic approach for the treatment of antibiotic resistant, life-threatening infections. The antibiotics market generated global sales of \$39.6 billion in 2013. Despite this very large market, there are many infections that are not treatable by marketed antibiotics due to the growing issues of antibiotic resistance. These infections are responsible for an estimated 20,000 deaths in the United States each year with an associated \$20 billion in direct health care costs and \$35 billion in lost productivity. Antibiotic resistance is one the greatest health care challenges for the future, according to the World Health Organization. Despite this, very few new classes of antibiotics have been introduced over the past two decades due mainly to the early onset of resistance.

Agile Sciences core technology consists of a new class of 2-aminoimidazole (2-AI) small molecules that inhibit bacterial resistance mechanisms through a novel mode of action, effectively rendering bacteria unable to protect themselves. These 2-AI compounds have been shown to:

- Restore the activity of antibiotics against multi-drug resistant (MDR) Gram-positive and Gram-negative bacterial pathogens.
- Reduce the dose of current antibiotics required to achieve bacterial clearance, sometimes by as much as 200-fold.
- Mitigate the acquisition of antibiotic resistance
- Inhibit and disperse bacterial communities, known as biofilms

Agile Sciences' 2-AI compounds have the potential to revitalize the antibiotic market by restoring drug resistant bacterial strains to many existing classes of antibiotics to address this large unmet medical need. The company's primary focus is on treatment of Gram-negative MDR bacterial infections; along with treatment of lung infections in cystic fibrosis (CF) patients; and treatment of chronic wound infections.



Biography

Malcolm Thomas, President and Chief Executive Officer at Agile Sciences, was previously the president and CEO of Arbovax, a biotechnology company commercializing a unique and innovative platform technology that can be used to make vaccines against insect-borne viral diseases. Prior to Arbovax he was Vice President of Operations for StemCo Biomedical and before that, he was a Director of International Marketing for Bayer Biologicals and Vice President of Pacific Rim Operations for Becton Dickinson Biosciences. During his tenure with Becton Dickinson as Vice President for Asia Pacific he lived in Singapore for five years. He started his working life as a research scientist in the biochemistry department of the Wellcome Research Laboratories in the UK.

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