

Antimicrobial Peptides Discovery Design And Novel Therapeutic Strategies Advances In Molecular And Cellular Microbiology

Pepticom's New Spinout Company, PeptiCov, to Focus on COVID-19
 IBM's AI may lead to new antimicrobials, drugs, and materials
 New data libraries open a new chapter in designing compounds that mimic antibodies
 IBM uses artificial intelligence to develop potential break-throughs in antibiotics
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 Antimicrobial peptides accelerate lipid transport in the bacterial membrane
 Accelerated antimicrobial discovery via deep generative models and molecular dynamics simulations
 ContraFect Reports Fourth Quarter and Full Year 2020 Financial Results and Provides Business Update
 Drug Discovery News and Research
 IBM develops AI to invent new antibiotics - and it's made two already
 Artificial intelligence can now design new antibiotics in a matter of days
 Machine learning tool sets out to find new antimicrobial peptides
 Tetrahydropiperic acid (THPA) conjugated cationic hybrid dipeptides as antimicrobial agents
 The Vitamin D-antimicrobial Peptide Pathway and Its Role in Protection against Infection
 Bacteriophage to the Future: Insights from the 3rd Bacteriophage Therapy Summit
 Psychology Today

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libraries open a new chapter in designing compounds that mimic antibodiesThe present work describes the synthesis of hybrid dipeptides H-Lys-Gpn-PEA, C1; H-Lys-β 3,3 A C6C-PEA, C2, and THPA conjugated dipeptides, THPA-Lys-Gpn-PEA, C3, and THPA-Lys-β ...Tetrahydropiperic acid (THPA) conjugated cationic hybrid dipeptides as antimicrobial agentsChallenges facing phage therapy range from a developing regulatory landscape and the design of clinical trials to the up-scaling of manufacturing processes.Bacteriophage to the Future: Insights from the 3rd Bacteriophage Therapy SummitWithin 48 days, IBM says its AI-boosted molecular design approach enabled it to identify, synthesize, and experimentally test 20 AI-generated novel candidate antimicrobial peptides. Two of them ...IBM's AI may lead to new antimicrobials, drugs, and materialsHiding behind the current COVID-19 pandemic, another serious public health threat is looming - the rise of antibiotic-resistant "superbugs." New antibiotics are needed to help turn the tide, but ...IBM develops AI to invent new antibiotics - and it's made two alreadyThe recent discovery that vitamin D induces antimicrobial peptide gene expression explains, in part, the 'antibiotic' effect of vitamin D and has greatly renewed interest in the ability of vitamin ...The Vitamin D-antimicrobial Peptide Pathway and Its Role in Protection against InfectionJERUSALEM, March 9, 2021 /PRNewswire/ -- Pepticom, a leader in artificial intelligence peptide drug design and discovery, announced today that it has raised \$2.6 million to establish a company to ...Pepticom's New Spinout Company, PeptiCov, to Focus on COVID-19system designed two new antimicrobials—a new tool to accelerate

the design of small molecules for potential new drugs. Antimicrobial resistance (AMR) poses an existential threat unless new drugs ... Psychology Today 48Hour Discovery and CQDM are proud to announced that the company has been awarded \$800,000 for peptide drug discovery ... was published in the journal Antimicrobial Agents and Chemotherapy. Drug Discovery News and Research In a blog post and a paper published in Nature Biomedical Engineering, the IBM team said the system would help pace the way to "accelerated discovery." "[O]ur IBM Research team has developed ... IBM uses artificial intelligence to develop potential break-throughs in antibiotics Exebacase Phase 3 DISRUPT study enrollment ongoing in patients with Staph aureus bloodstream infections; results from interim futility analysis anticipated in H2 2021 Biomedical Advanced Research and ... ContraFect Reports Fourth Quarter and Full Year 2020 Financial Results and Provides Business Update Normally, this molecule discovery process would take scientists ... They found that they were able to design two new antimicrobial peptides that are highly potent against diverse pathogens ...

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