

May 16, 2016



# **Arch Therapeutics Announces Issuance of Composition of Matter Patent Covering Self-Assembling Peptidomimetics**

## **U.S. Patent Addresses Self-Assembling Peptidomimetics That Form Barrier Structures on Tissue and Inhibit or Prevent the Passage of Bodily Fluids and Contaminants**

FRAMINGHAM, MA -- (Marketwired) -- 05/16/16 -- Arch Therapeutics, Inc. (OTCQB: ARTH) ("Arch" or the "Company"), developer of the AC5 Surgical Hemostatic Device™ (AC5™) for use in controlling bleeding and fluid loss in order to provide faster and safer surgical and interventional care, announced that the U.S. Patent Office has issued a composition of matter patent, which is assigned to the Massachusetts Institute of Technology (MIT) and Versitech Limited, and which is exclusively licensed worldwide to Arch.

The broad composition claims of the patent cover products that contain non-classical peptide molecules, called peptidomimetics, which self-assemble into barrier structures on tissue that inhibit or prevent the passage of bodily fluids. The peptidomimetic molecules mimic peptide structure, have general features analogous to a parent peptide, and can have properties that are advantageous when compared to the otherwise similar peptides that they mimic. Examples of potential products covered by this patent include hemostatic agents to stop bleeding, and self-assembled barrier structures that prevent contamination and stop leaks.

Dr. Terrence W. Norchi, President and CEO of Arch Therapeutics, said, "This patent covers self-assembling non-classical peptide products, which are separate from the classical self-assembling peptides we are known to be developing, and which may unlock novel features of potential future products. In the meantime, we continue to guide our first product in development, AC5, along the pathway toward regulatory approval, and we look forward to the conclusion of our first human trial in Europe."

Arch has filed its own patent applications and, in addition, has licensed worldwide exclusive rights to certain patents and patent applications assigned jointly to MIT and Versitech Limited, the technology transfer company of the University of Hong Kong, and worldwide non-exclusive rights to another portfolio of patents assigned jointly to MIT and Versitech Limited. The applications and rights cover self-assembling compositions and methods of making and using such compositions for medical applications including stopping bleeding; preventing the movement of bodily fluids, contaminants, etc., within or on the human body; preventing adhesions; treatment of leaky or damaged tight junctions; and reinforcement of weak or damaged vessels, such as aneurysms, with patents covering this technology in the United States, Europe, Israel, Japan, Canada, Australia, Hong Kong and China. Additional

patent applications are pending in multiple jurisdictions.

***About Arch Therapeutics, Inc.***

Arch Therapeutics, Inc. is a medical device company developing a novel approach to stop bleeding (hemostasis) and control leaking (sealant) during surgery and trauma care. Arch is developing products based on an innovative self-assembling peptide technology platform to make surgery and interventional care faster and safer for patients. Arch's flagship development stage product candidate, known as the AC5 Surgical Hemostatic Device™, is being designed to achieve hemostasis in surgical procedures.

***Notice Regarding Forward-Looking Statements***

This news release contains "forward-looking statements" as that term is defined in Section 27(a) of the Securities Act of 1933, as amended, and Section 21(e) of the Securities Exchange Act of 1934, as amended. Statements in this press release that are not purely historical are forward-looking statements and include any statements regarding beliefs, plans, expectations or intentions regarding the future. Such forward-looking statements include, among other things, references to novel technologies and methods, our business and product development plans and projections, or market information. Actual results could differ from those projected in any forward-looking statements due to numerous factors. Such factors include, among others, the inherent uncertainties associated with developing new products or technologies and operating as a development stage company, our ability to retain important members of our management team and attract other qualified personnel, our ability to raise the additional funding we will need to continue to pursue our business and product development plans, our ability to obtain required regulatory approvals, our ability to develop and commercialize products based on our technology platform, and market conditions. These forward-looking statements are made as of the date of this news release, and we assume no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements. Although we believe that any beliefs, plans, expectations and intentions contained in this press release are reasonable, there can be no assurance that any such beliefs, plans, expectations or intentions will prove to be accurate. Investors should consult all of the information set forth herein and should also refer to the risk factors disclosure outlined in the reports and other documents we file with the SEC, available at [www.sec.gov](http://www.sec.gov).

On Behalf of the Board,  
Terrence W. Norchi, MD  
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Source: Arch Therapeutics, Inc.