

Serenus Biotherapeutics Partners With Xenex to Bring Xenex Disinfection Robots to Africa

Pulsed Xenon Robotic Antibiotic™ Quickly Destroys Deadly Pathogens That Cause Hospital-Acquired Infections

DUBLIN, IRELAND and JOHANNESBURG, SOUTH AFRICA--(Marketwired - Sep 17, 2015) - Serenus Biotherapeutics ("Serenus"), which is bridging the divide between the world's leading healthcare markets and the growing demand for access to innovative drugs and devices in the emerging nations of Africa, today said it had entered into an agreement with [Xenex Disinfection Services](#) to bring the Xenex pulsed xenon Full-Spectrum™ ultraviolet (UV) room disinfection system to Africa.

The Xenex Germ-Zapping Robot™ is the most advanced UV disinfection robot available and is used throughout hospitals, outpatient surgery centers and skilled nursing facilities in the United States, Canada and Europe. In a five minute disinfection cycle, the robot destroys contagious superbugs on surfaces through the use of high intensity pulsed xenon UV light. Designed for speed, effectiveness and ease of use, hospital cleaning staff efficiently integrate Xenex robots into a hospital's existing operations and hospital acquired infection (HAI) reduction strategy.

HAIs are common in developing nations, resulting in prolonged hospital stays for non-critically ill patients of between six and 23 days. In developing countries, excess mortality in critically ill adults affected by ventilator-associated pneumonia is reported to be as high as 27.5 percent. Among hospital-born babies in developing countries, HAIs are responsible for 4 percent to 56 percent of all causes of death in the neonatal period, with 75 percent occurring in Southeast Asia and Sub-Saharan Africa, according to the World Health Organization. Pathogens' increasing resistance to antibiotics and chemicals used in cleaning is worsening the problem of HAIs and fuelling an increase in drug resistant superbugs.

"We have an opportunity to make a substantial impact on the quality of healthcare in Africa, including significantly reducing hospital stays and mortality with the introduction of this state-of-the art technology," said Dr. Menghis Bairu, CEO of Serenus. "The Xenex pulsed xenon UV disinfection robot is proven technology that is saving lives by eliminating the deadly microorganisms that cause infections in the healthcare setting."

More than 300 healthcare facilities now include Xenex devices in infection control protocols throughout the United States, Canada and Europe. MD Anderson Cancer Center, the Central Texas Veterans Health Care System, Cooley Dickinson Health Care (an affiliate of Massachusetts General Hospital and Partners HealthCare System) and other healthcare facilities have published 14 peer reviewed studies providing evidence of the Xenex robot's efficacy in highly regarded scientific journals.

Xenex is the only UV disinfection company with multiple peer reviewed published outcome studies. Recent [peer reviewed studies](#) by hospitals that purchased Xenex robots have reported greater than 70 percent decreases in methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C.diff*) infection rates, documenting how they used the Xenex robot in their real-world hospital environment to reduce infection rates by destroying the microorganisms that cause infections. Unlike other UV products that use bulbs containing toxic mercury to produce low-intensity UV light, Xenex is the only technology that uses high intensity Full Spectrum™ pulsed xenon UV light to disinfect.

Serenus will leverage its Pan African platform to make this unique technology available to fight hospital-acquired infections in Africa. Xenex will manufacture the robots and Serenus will be responsible for commercialization and distribution in Africa.

"Since the Ebola crisis began in Africa we have worked diligently to find the right partner to bring this life saving technology to Africa. We are excited to work with Dr. Bairu and Serenus for the benefit of Africa," said Morris Miller, CEO of Xenex. "With the expertise and relationships Serenus has in Africa, this agreement provides us access to important new markets and enables us to make a difference in the lives of people in the areas they serve. We are looking forward to enhancing patient safety measures at hospitals in Africa by providing the technology to destroy the germs that make patients suffer."

Serenus will launch the Xenex Germ-Zapping Robots at the Hospital Association South Africa (HASA) annual conference taking place in Cape Town from 21-23 September 2015.

About Serenus Biotherapeutics

Serenus Biotherapeutics is a privately held healthcare company that specializes in late-stage drug development, in-licensing, registering, and commercializing drugs and devices approved in the United States, Europe, and Japan to address unmet medical needs with high regional prevalence in the Sub-Saharan African market. For more information, visit www.serenusbio.com

About Xenex Disinfection Services

Xenex's patented Full Spectrum™ pulsed xenon UV room disinfection system is used for the advanced disinfection of healthcare facilities. Due to its speed and ease of use, the Xenex system has proven to integrate smoothly into hospital cleaning operations. The Xenex mission is to save lives and reduce suffering by eliminating the deadly microorganisms that cause hospital acquired

infections. The company is backed by well-known investors that include Malin Corporation, Battery Ventures, Targeted Technology Fund II and RK Ventures. For more information visit www.xenex.com

CONTACT INFORMATION

For Serenus Biotherapeutics

Daniel Levine

Levine Media Group

(510) 280-5405

[Email Contact](#)

For Xenex:

Melinda Hart

(210) 240 4669

[Email Contact](#)