

GreenMark Biomedical Secures Follow-On Regenerative Medicine Grant Funding

Up to \$297,615 in additional funding to advance new forms of GreenMark's regenerative products for noninvasive mineralization of early-stage dental decay.

ANN ARBOR, MI, UNITED STATES, August 25, 2026 /EINPresswire.com/ -- [GreenMark Biomedical Inc.](#) announces its project entitled “Targeted

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*Rachel Miller, BSDH, RDH,
Clinical Director for
GreenMark*

Remineralization Treatment Using Mineral Loaded Starch Nanoparticles” has been selected for additional funding by the [Translational Resource Center](#). GreenMark will receive up to \$297,615 in additional funding to advance new forms of its innovative regenerative products for noninvasive mineralization of early-stage dental decay. This follow-on grant involves dental schools at the Universities of Michigan and Pittsburgh and the Wyss Institute at Harvard. Since 2018 the NIH-funded center has provided GreenMark ongoing funding and access to world-class expertise, resources, regulatory, clinical, and commercialization guidance to develop regenerative medicine products. The center collaborates with a partner Resource Center

comprised of the dental school at the University of Southern California, University of California institutions, and Stanford University.

Dental caries (tooth decay) is the most prevalent chronic disease in the world and impacts more than 95% of Americans over their lifetimes. Left untreated, early enamel damage progresses into painful cavities that require invasive dental procedures. Current topical fluoride products can slow decay but are limited in their ability to restore enamel structure beneath the tooth surface, leaving teeth at risk of progression and cavitation. Dental sensitivity affects up to 74% of Americans and can be the source of discomfort during dental procedures. “At GreenMark we are developing a range of professional-use and over-the-counter products designed to reverse early decay by restoring enamel from the inside out. This targeted approach also provides relief from dental sensitivity,” explains co-inventor Dr. Nathan Jones, MSc, PhD, VP Technology for GreenMark and Co-Principal Investigator (PI) on the award.

GreenMark’s CrystLCare™ dental strips have provided the company with growing clinical and

market experience with its targeted mineral-forming technology. Pilot evaluations have demonstrated rapid relief of dental sensitivity associated with gingival recession and dental procedures, including hygiene treatment, scaling and root planing, and tooth whitening. Clinical observations also provided radiographic evidence consistent with remineralization of early-stage caries lesions.

“As a dental professional I recognize the impact that rapid sensitivity relief has on the patient experience, because comfort shapes much of what a person is willing to accept, complete, and return for; for hygienists in particular, keeping a sensitive patient at ease

throughout treatment allows for thorough instrumentation, a calmer appointment, and a level of trust that carries forward into every visit that follows. The simplicity of the strips extends that benefit in both directions: dental assistants can apply them chairside as part of the normal flow of care, and patients can continue the same routine at home, keeping comfort consistent between appointments and giving people an active role in managing their own oral health,” said Rachel Miller, BSDH, RDH, Clinical Director for GreenMark. “During training clinic staff will try the dental strips on themselves and feeling an immediate impact they begin to think how they’ll use them on patients who often squirm in the dental chair, and as a result dentists and hygienists reported patients being more comfortable, so they were as well,” explains Jeff Durrbeck, Chief Revenue Officer for GreenMark.

“This funding is very meaningful and will help advance GreenMark’s product pipeline designed to improve the patient experience and oral health outcomes; all efforts are now on closing a \$5.0 million Series A round to support further manufacturing scale-up and broader distribution of our products,” said Dr. Steven Bloembergen, PhD, Co-PI and GreenMark’s Chairman and CEO.

About GreenMark Biomedical Inc.

GreenMark is dedicated to transforming dental care through scientific innovation and technological excellence for treatment of dental sensitivity and management of dental caries. GreenMark has developed methods to identify, assess and monitor caries disease in its earliest stages. The company’s LumiCare™ Caries Detection Rinse contains fluorescently labeled particles that target the porous subsurface of enamel lesions and illuminate them even before being detected on X-ray radiographs. The identification at early stages before cavities form facilitates

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GREENMARK™
BIOMEDICAL INC.

CrystLCare™
BIORESTORATIVE, FLUORIDE-FREE
Hydroxyapatite-Forming
Dissolvable Dental Strips

CrystLCare™
REGENERATION+
Fluoride-Efficient
Anti-Cavity & Anti-Sensitivity
Dissolvable Dental Strips

the use of non-surgical management options. This results in less discomfort and improved long-term oral health outcomes for patients. GreenMark's patented products involve sub-micron particles produced from food-grade starch. CrystLCare™ dental strips that contain the particles instantly adhere to teeth and are fully dissolvable. The sub-micron starch particles are loaded with calcium and phosphate ions, and like a magnet they are pulled into the tooth subsurface, then degraded by enzymes in saliva, to release the bioavailable ions that form apatite crystals. CrystLCare™ dental strips are available as fluoride-free or low-dose, fluoride-efficient products, are easy to use, and help make checkups a more positive experience for the modern dental clinic. Visit <https://greenmark.bio/>.

About The Translational Resource Center

Regeneration of dental, oral, and craniofacial (DOC) tissues through tissue engineering and regenerative medicine (RM) is a major goal in dentistry. The Michigan-Pittsburgh-Wyss Regenerative Medicine (MPWRM) Resource Center, rebranded in 2024 as the Translational Resource Center (TRC), was established as an interdisciplinary partnership among the University of Michigan, the University of Pittsburgh, and the Wyss Institute at Harvard University, together with experts in technology, clinical translation, regulation, marketing, and commercialization. Supported in part by the National Institute of Dental and Craniofacial Research (NIDCR) under Award Number U24DE029462, the TRC collaborates with C-DOCTOR (U24DE029463), Center for Dental, Oral, Craniofacial Tissue & Organ Regeneration, a consortium including the University of Southern California, the University of California (San Francisco, Berkeley, Davis, and Los Angeles), and Stanford University. Together the TRC and C-DOCTOR bring clinicians, scientists, and regulatory experts to advance regenerative solutions for DOC tissue repair in partnership with NIDCR. Visit <https://translationalresourcecenter.org/>.

About National Institutes of Health

NIH, the nation's medical research agency, includes 27 Institutes and Centers and is a component of the U.S. Department of Health and Human Services. NIH is the primary federal agency conducting and supporting basic, clinical, and translational medical research, and is investigating the causes, treatments, and cures for both common and rare diseases. For more information about NIH and its programs, visit www.nih.gov. The National Institute of Dental and Craniofacial Research (NIDCR), part of NIH is the Nation's leading funder of research on oral, dental, and craniofacial health. Visit: <http://www.nidcr.nih.gov>.

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