

## **EXECUTIVE SUMMARY**

The aim of the Cutaneous Healing report is to assist companies in reducing the time and cost of product discovery, increasing the likelihood of positive clinical outcomes, and sharpening their ability to recognize and make something of product opportunities in cutaneous wound repair and regeneration. The report contains a detailed a review and analysis of the current state of human cutaneous wound healing and skin regeneration. The review integrates knowledge from cancer biology, angiogenesis and fibrosis for wound healing applications. It provides the scientific foundation of key processes including inflammation, wound granulation, wound closure and abnormal healing. The analysis includes several analytical tools to assist in ongoing processing of information and crafting of product strategy. It contains several examples of how to use the information and tools to determine product positioning and design for biological strength. Wound healing products from dressings to living tissue grafts are discussed. A list of companies which have, or are pursuing relevant products, is included.