

## Press release

### Grant of LEUKOCARE's LSM patent

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**Munich, Germany, 23.12.2009**

Today LEUKOCARE announced that its patent for the method and the use of a Leukocyte Stimulation Matrix (LSM) was granted by the European Patent Office.

The invention represents an immunological medical device to stimulate the immune system of patients with insufficient immune reactions against bacterial or viral infections. Antigens, Antigen Presenting Cells, or fragments thereof are embedded into a three-dimensional matrix that is integrated into a single-use device. Patient's blood flows through the module and by this circulating antigen specific leukocytes get stimulated before leaving the device as activated cells. The realization of this device and the essential protein stabilization will be enabled by LEUKOCARE's Stabilizing Postcoating Technologies.

"The LSM technology for the first time may enable an individual and adjustable antigen specific stimulation of patient's immune system on the basis of a medical device", stated Prof. Martin Scholz, CSO of LEUKOCARE and main inventor. "This represents an enormous progress in the treatment of persistent infectious diseases by avoiding systemic application of pharmaceuticals or biomolecules. Current therapeutic approaches like vaccination or adaptive immune therapy generally use chemotherapeutics or *ex vivo* stimulation of the effector molecules causing unappreciated side effects."

LEUKOCARE's technologies for leukocyte activation (LSM-Technology) and leukocyte inactivation (LIM-Technology) complete the concept of the immune modulating therapies.

## **About LEUKOCARE**

LEUKOCARE is a product-focused, clinical-stage biotechnology company founded in 2001 and headquartered in Munich, Germany. LEUKOCARE is a leading solution provider to functionalize surfaces, primarily of medical devices, by its Stabilizing Postcoating technology.

By coupling, protecting and – if desirable - eluting biofunctional molecules (e.g. proteins, antibodies, peptides, small molecules) LEUKOCARE can functionalize a wide variety of surfaces including implant surfaces, wound dressings, patches, stents, catheters, columns for ex-vivo blood treatment and others. These technologies are characterized by their modular versatility and biocompatibility.

LEUKOCARE utilizes its comprehensive biofunctional coating expertise in product-focused industry partnerships and internal programs. The company offers its know-how in biofunctional coatings and product development to interested parties on a flexible basis ranging from service-based collaborations to co-development partnerships.

For further information please visit our homepage [www.leukocare.com](http://www.leukocare.com) or contact us:

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