

# marCotech

## Principal Office

marcotech oHG  
Mendelstrasse 11  
48149 Münster  
Germany  
Phone: (+)49 - 25 19 80 23 00  
Fax: (+)49 - 25 19 80 23 04  
E-Mail: [info@marcotech.de](mailto:info@marcotech.de)  
Web: [www.marcotech.de](http://www.marcotech.de)

## Contact Person

Dr. Lothar Heinrich  
Chief Representative  
Phone: (+)49 - 25 19 80 23 01  
Fax: (+)49 - 25 19 80 23 04  
E-Mail: [heinrich@marcotech.de](mailto:heinrich@marcotech.de)

## Contact Person

Prof. Dr. Hans-Joachim Galla  
Chief Scientific Representative  
Phone: (+)49 - 25 18 33 32 00  
Fax: (+)49 - 25 18 33 32 06  
E-Mail: [gallah@uni-muenster.de](mailto:gallah@uni-muenster.de)

marcotech develops in cooperation with the

Institute for Biochemistry (Prof. Dr. H.-J. Galla)

and the

Clinic and Polyclinic of Ophthalmology (Prof. Dr. H. Gerding)

at the Westphalian Wilhelms-University Muenster (Germany) implants and drug delivery systems.

Examples are artificial vitreous body endowed with internal and superficial nanostructures, as well as microstructured punctum plugs combined with swelling hydrogels and micro-encapsulated supports for drugs.

In addition to the biocompatibility of the materials, the artificial vitreous body has been stabilized by scaffolding structures which do not affect the optical requirements. The dimensioning depends on the wave lengths of the visible light, and the internal configuration has to avoid any loss by light scattering.

Investigations and optimization of the transport and the adhesion performance are carried out by impedance spectroscopy and crystal microbalance measurements. Additionally, the research and the development of the ophthalmic devices are accomplished by cytobiological tests.

marcotech cooperates with international scientific and industrial partners.