

# LOEWE Research Cluster Tumours and Inflammation



© Rolf K. Wegst / Philipps-Universität Marburg

## What does chronic inflammation have to do with tumours?

Systemic and local inflammatory processes are a hallmark of many tumours and have a direct impact on tumour development. Around one-fifth of all tumorous diseases are now thought to be caused by chronic inflammation. It has long been known that patients who suffer from chronic inflammatory diseases, such as Crohn's disease, chronic gastritis and ulcerative colitis, have a higher risk of a tumour developing in the affected tissues or organs. Many environmental and lifestyle factors – for instance smoking, excessive alcohol consumption, obesity and sunburn – cause inflammatory reactions in the body and therefore increase the risk of cancer. The LOEWE research cluster “Tumours and Inflammation” investigated precisely how inflammatory and tumour cells affect each other as the first stage in the development of new cancer treatment strategies. Most of the research groups are continuing their work in the DFG-funded Collaborative Research Centre “Chromatin Changes in Differentiation and Malignancies” and at the newly established Centre for Tumour and Immunobiology.



© Rolf K. Wegst /Philipps-Universität Marburg

#### **COORDINATORS**

Prof. Dr. Rolf Müller,  
Prof. Dr. Harald Renz,  
Prof. Dr. Michael Lohoff,  
Philipps-Universität Marburg

#### **PARTNER**

Philipps-Universität Marburg  
ASSOCIATE PARTNER  
Justus Liebig University Giessen

#### **LOCATION**

Marburg

#### **SUBJECT AREAS**

Cell biology  
Genetics  
Molecular biology  
Bioinformatics  
Immunology  
Medicine

#### **FUNDING PERIOD**

2008 to 2012

#### **COORDINATION OFFICE**

Dr. Abdo Konur  
Phone +49 6421 28-26386  
konur@imt.uni-marburg.de

#### **INTERNET**

[www.uni-marburg.de/fb20/zti](http://www.uni-marburg.de/fb20/zti)

## **LOEWE and ProLOEWE**

Since 2008 the German federal state of Hessen has been promoting outstanding research initiatives through its own excellence programme, LOEWE. To date, 11 LOEWE research centres and 35 LOEWE research clusters have been selected in a competitive process to receive funding.

ProLOEWE is the LOEWE research initiatives network: their common aim is to provide information about their activities, speed up access to their research and intensify their cooperation. The website [www.proloewe.de/en](http://www.proloewe.de/en) provides an overview of the LOEWE research initiatives.