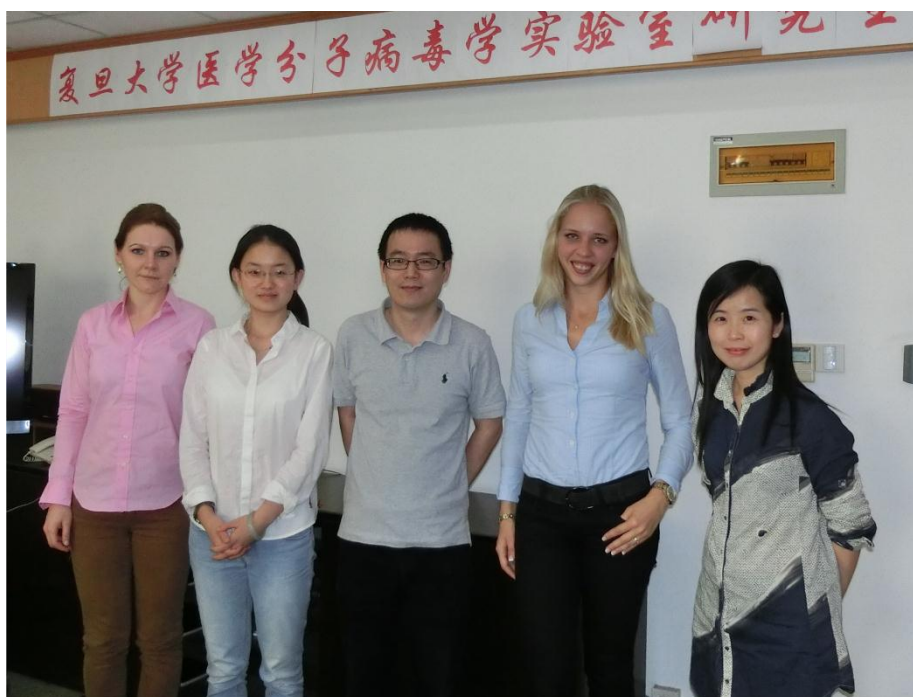


Report

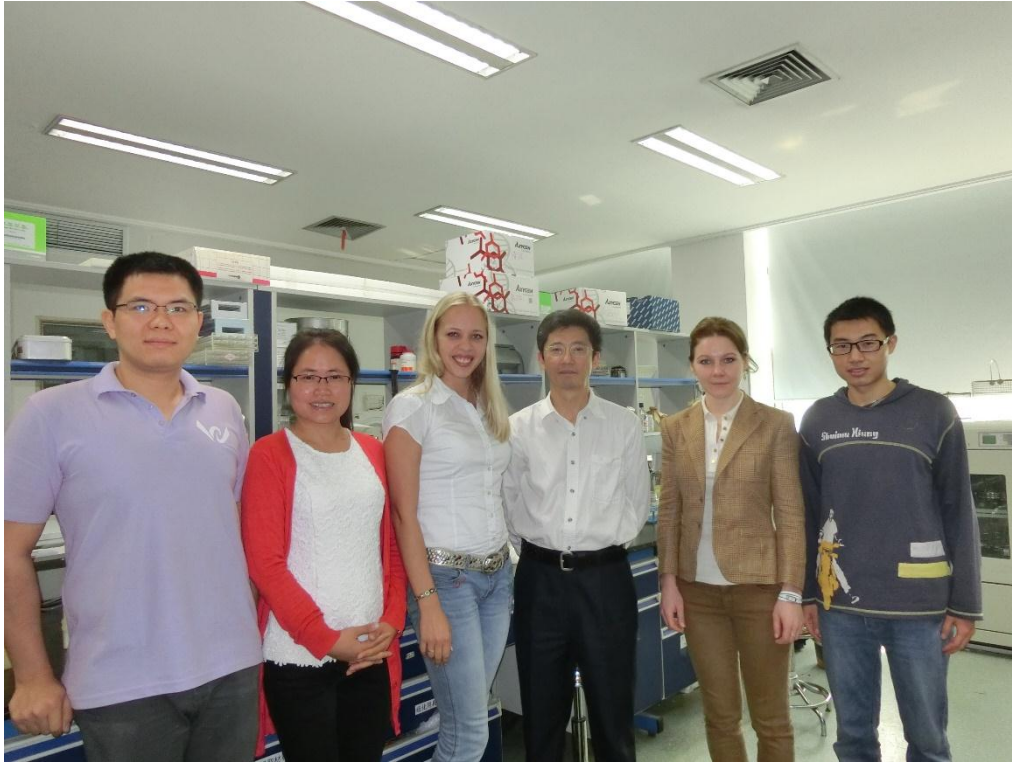
*About the visit
in the frame work of Transregio 60 by D. Kozlova and Dr. V. Sokolova
(Inorganic Chemistry and Center for Nanointegration Duisburg-Essen (CeNIDE),
University of Duisburg-Essen, Germany)
in October 2014 in China*

We had a pleasure together with my colleague Diana Kozlova in the frame work of Transregio 60 to visit the group of Prof Youhua Xie in Shanghai and the groups of Prof Dongliang Yang and Prof Huimin Yan in Wuhan.



Our visit of Prof Youhua Xie in Shanghai

The group of Prof Youhua Xie investigates the peptides, which are known to prevent the binding of HBV particles to the hepatocyte and thus, block the entrance the virus and the infection of the cell. The aim of our joint project is to investigate, whether calcium phosphate nanoparticles, used as carriers for the peptide inside the liver cells, can be able to perform its ability inside the infected liver cells, interacting with newly developed virus particles and inhibit further infection of the healthy liver cells. During our visit we had an opportunity to hold the presentations, discuss the project and visit the laboratories.



Our visit of Prof Huimin Yan and the colleagues in Wuhan

The group of Prof Huimin Yan are focused on the investigation of Flagellin biomolecules, which are known as potent immune activators by bridging innate inflammatory responses and adaptive immunity and an adjuvant candidate for clinical application. The aim of our joint project is to prepare flagellin-functionalized calcium phosphate nanoparticles and to test their immunostimulatory effect on the innate immune system. During our visit we could discuss the latest results and develop the new ideas.



Campus of Wuhan University

Also we were very pleased to visit the group of Dongliang Yang in Wuhan. Our joint project is focused on calcium phosphate nanoparticles to target Kupffer cells or hepatocytes in a liver. During our visit we had an opportunity to hold the presentations, visit the laboratories and discuss the project.



Our visit of Prof Dongliang Yang in Wuhan

We are very thankful to Prof Matthias Epple and to Transregio 60 in common. Also we would like to thank Prof Dongliang Yang, Prof Huimin Yan and Prof Youhua Xie and theirs group members for the nice hospitality, for fruitful discussion and great ideas.

Sincerely Yours,

Viktoriya Sokolova and Diana Kozlova