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The network “high performance nano-analytics for medicine and biomedical materials” (HiNanoAnalytics) represents scientific research institutes with international reputation (University of Münster, University of Greifswald, Technical University of Ilmenau, Fraunhofer Institute for Biomedical Engineering), small and medium sized companies (arrows biomedical GmbH, nanoAnalytics GmbH, ChemBiotech) as well as strong management expertise in technology transfer (CeNTech GmbH, marcotech oHG), thereby bringing together a considerable knowledge pool in high performance analytics.

HiNanoAnalytics links scientific excellence in basic and applied research with commercialisation of advanced technologies in nanotechnology based analytics. The network has significant expertise in the following areas:

- New surface/interface properties at nano scale
- New analytical methods for medical applications
- Biomedical applications of nanoparticles
- DNA gold nanoparticle conjugates
- Magnetic nanoparticles and marker monitoring
- Micro/nano-electronic research
- Cryobiophysics, cryotechnology
- Molecular oncology
- Commercial surface analytics
- Development of new tools and technologies for analytics
- Development of new analytical devices
- Commercialisation of nanotechnology
- Marketing and technology management

HiNanoAnalytics actively supports the transfer of outstanding research into new innovative products for the biomedical and Life Science related market. Additional knowledge in training, education and organisation of events like scientific conferences provides HiNanoAnalytics with a highly unique position in the area of high performance analytics.