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University of Applied Sciences

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Hochschule Offenburg University of Applied Sciences  
Competence in Engineering Technology, Business Administration and Media Management

The University of Applied Sciences Offenburg is among the most important Institutes of Higher Education in the region of the Southern Upper Rhine area. Founded in 1964 as a State School of Engineering, today there are around 2400 students enrolled at two campus locations in Offenburg and Gengenbach. In educating a new generation of highly qualified young people and in its application orientated approach the University of Applied Sciences is making a valuable contribution to enhance international competitiveness of the region of Southern Baden in the state of Baden-Württemberg, Germany.

The University of Applied Science in Offenburg is partner in a BMBF project (Bundesministerium für Bildung und Forschung) called “Up-conversion Multiplex Diagnostic Assays” (UNDAM). Currently we are in charge of the nanoparticle production using a technique called Laser Ablation of Microparticles. These microparticles are so-called Up-conversion Phosphors that emit visible light being excited by NIR.

Produced nanoparticles are to be provided to the other project partners: University of Freiburg (Freiburger Materialforschungszentrum “FMF”), Stratec Biomedical Systems AG, and AnDiaTec GmbH & Co. KG to produce biological markers in medical applications.