

Assoz.Univ.-Prof. Dr. Andreas Ebner
Co-Funding-Project *Role of Cell Membrane Associated Hsp70 in Cancer Cell Adhesion and Metastasis*

Assoz.Univ.-Prof. Dr. Andreas Ebner developed an interest in natural sciences at school and ultimately decided to come to JKU to study industrial engineering (including business administration) with a focus on technical chemistry because he thought that “chemistry would allow me to get to the bottom of things.” The topic of his master’s thesis was - “by chance” - close to the field of biophysics, in which he went on to complete his PhD and was awarded habilitation.

Ebner values the close interconnection of his research field with other fields, such as medical technology, chemistry and physics. “Something new is happening all the time. It is always a challenge when somebody says, ‘That’s impossible!’ So far we’ve always been able to find a solution.”

In 2013, Ebner and his team were awarded the Houska Award for an ultra-sensitive, stable and easy to handle sensor for scanning force microscopy which they developed with their industrial partner SCL-Sensortech. A reduction in the sensors’ size and improvements in their chemical and technical properties have made the technique accessible to a significantly larger audience. “Since researchers are always sceptics, such recognition is a pleasing acknowledgement of one’s work,” says Ebner.

Video of the Houska Award Ceremony:

<https://www.youtube.com/watch?v=1ovINHPYnhY&feature=youtu.be>