



**Kurt-Schwabe-Institut (KSI)
für Mess- und Sensortechnik
Meinsberg e.V.**

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Company Profile

The Kurt Schwabe Institute (KSI) Meinsberg is one of the leading institutes in Germany working on applied sensor research with a clear focus on environmental monitoring and medical diagnostics. The strategic goal is to bring novel sensor materials to innovative industrial solutions, that is to directly mediate between basic research and industry.

Dr. Murawski is heading the organophotonic sensing group at the institute, which is developing flexible, organic electronics for medical diagnostic and treatment.

Business Field/Core Technology/Strength

Technologies:

- Development of organic electronic devices, especially OLEDs
- Basic and applied research in physical chemistry and electrochemistry
- Development of new sensor materials and miniaturization of sensors

Applications:

- Biological and optical sensing for medical diagnostics and treatment, DNA and protein chips, single molecule detection
- Environmental monitoring for water management and agriculture
- Gas sensing and energy storage