

**Leveraging Clinical Data for Research:
The MIRACUM Consortium in the German Medical Informatics Initiative**

While large amounts of structured clinical data are generated daily in the course of routine clinical care, many barriers have impeded their use for research purposes. In the MIRACUM-Consortium (Medical Informatics for Research and Care for University Medicine), ten academic hospitals are addressing these issues on a national scale, covering both technical aspects like harmonized data structures and interfaces as well as governance and data protection regulations. The establishment of data infrastructures is supplemented by clinical use cases to prove their utility and research value throughout the project. Funded by the German Federal Ministry of Education and Research within the Medical Informatics Initiative, MIRACUM is the largest of four consortia that collaborate closely towards interoperable infrastructures. The lecture will cover the challenges, the implementation strategy based on application of open international standards and tools, current results and an outlook towards use cases enabled by a national clinical data platform.