TECHNOLOGY: A SHOT IN THE ARM FOR SURGEONS
Thanks to its highly specialized expertise and cutting-edge technologies, the Swiss Integrative Center for Human Health (SICHH), based at the blueFACTORY innovation quarter, is able to deliver state-of-the-art research and development services to the health care industry. “Our Ergonomics platform develops software applications that center around the human-machine interface”, explains Jean-Marc Brunner, Director of the SICHH. Several programs focus on the immersive experience, intelligent sensing experience, and smart learning and rehabilitation. “The smart learning and rehabilitation program seeks to use digital technologies like augmented reality (see photograph) to improve learning experience in specialized fields. For example, it will let a surgeon perform a dry run before the actual surgical procedure or will overlay what the medic actually sees with computer-generated images, thereby improving her performance in the operating theater. This type of service works well with 3D printing, which is already in use at Lausanne University Hospital (CHUV).”

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