Abstract: Translational research has been most commonly referred to in life sciences but may be applied to all science and humanities areas. It can be understood, in general terms, as to "translate" findings in fundamental research into practice. Following this motto, the Laboratory of Bioinformatics (LABI) from the Western Paraná State University (UNIOESTE) in Brazil, in partnership with Brazilian and Portuguese institutions, develops projects to apply mathematics, computer science, and engineering to support the resolution of health problems. In this talk, some of these projects, ranging from telemedicine, image analysis, machine learning, and biomechanics, will be shared, showing the beneficial cooperation between the exact and the health sciences.