

Project: Elaboration of the first Gastrointestinal Image Analysis Book

During the long-term collaboration with CELL team at ETIS led by Aymeric Histace, we have co-developed several methodologies for polyp detection in colonoscopy videos and we have defined validation frameworks for several methodologies in the domain of gastrointestinal image analysis over colonoscopy and wireless capsule endoscopy data.

The objective of this research stage is to elaborate the first draft of the Gastrointestinal Image Analysis Book, which will comprise a deep comparison of existing trending technologies, including both a detailed description of the methodologies as well as quantitative and qualitative validations over public datasets generated by the collaborating institutions. The book will gather contributions from researchers all over the world which took part on the GIANA challenges organized jointly by ETIS and CVC in 2017 (Quebec, Canada) and 2018 (Granada, Spain) as well as editorials written by top researchers and clinicians working in the same research topic.