

# MATHEMATICAL SCIENCES

## DISMA - Planning and analysing data produced by an IBD telemonitoring system.

<b>Funded By</b>	Dipartimento DISMA
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<b>Context of the research activity</b>	The Fondazione IBD ETS has a telemonitoring system aimed at supporting telemedicine activities for patients suffering from IBD (inflammatory bowel disease) and related pathologies. The data must be organised in a way geared at the production of scientific results and measures of impact.
<b>Objectives</b>	The data produced by the system have to be organised in a digital architecture able to produce two kinds of output related to the telemonitoring and telemedicine activities: measures of impact to be presented to stakeholders and financing bodies and scientific results suitable to feed research and publications. The Ph.d. candidate is required to have computer science, data science and statistical skills to fulfil these obligations and at the same time to participate actively in the medical research with technical contributions in programming, mathematical modelling and biostatistics.
<b>Skills and competencies for the development of the activity</b>	The ideal candidate is strong in database programming and statistics and has some expertise in telecommunication protocols.