**Doctoral Course**  | CLINICAL AND EXPERIMENTAL ONCOLOGY AND IMMUNOLOGY
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**Macro-area**  | Medical and Biomedical Sciences
**Department name**  | Department of Surgery, Oncology and Gastroenterology
**Webpage**  | [https://www.discog.unipd.it/doctorate/mission](https://www.discog.unipd.it/doctorate/mission)

| Research topic A | Immunology of tumors  
The immune system has the potential of eradicate cancer, nevertheless the establishment of an immunosuppressive environment at the tumor site often dampens anti-tumor immunity. Our research aims to deconvolute immunosuppressive interactions in the context of tumor microenvironment thanks to the analysis of experimental models and patient samples. These studies will allow to discover novel prognostic biomarkers to better select patient therapy, and to identify novel therapeutic targets. |
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| Research topic B | Genetic susceptibility to cancer  
The advent of next-generation sequencing technologies has revolutionized genetic testing for cancer susceptibility. The consequent increase of information offers unprecedented opportunities for the advancement of personalized medicine. Our research aims to expand our knowledge of the genetic underpinnings of cancer predisposition and of the phenotypic spectrum associated with specific germline gene variants. These studies will inform novel programs of cancer screening, prevention, and therapy. |

**Link to the UNIPhD Call (Academic Year 2022/2023)**  | [https://www.unipd.it/en/uniphd](https://www.unipd.it/en/uniphd)