



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

PARTNER IDENTIFICATION FORM

PIC	999995602
OID	E10209515
Full legal name [national language]	UNIVERSITA DEGLI STUDI DI PADOVA – DIPARTIMENTO DI SCIENZE CHIRURGICHE ONCOLOGICHE E GASTROENTEROLOGICHE
Full legal name [English]	UNIVERSITY OF PADOVA – DEPARTMENT OF SURGERY, ONCOLOGY AND GASTROENTEROLOGY
Acronym	UNIPD (DISCOG)
Address	Via Giustiniani, 2
Country	Italy
Region	Veneto
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City	Padova
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PROFILE

Type of Organisation	Higher or secondary education establishment
Is the partner organisation a public body?	Yes
Is the partner organisation a non-profit?	Yes

BACKGROUND AND EXPERIENCE

<i>Brief presentation of the department</i>	Dating back to 1222, the University of Padua (UNIPD) is one of the leading universities in Italy, known for its long tradition and solid reputation for scientific excellence. Its 32 departments, 40 doctoral degree courses, and 44 interdisciplinary research and service centers cover an exceptionally broad range of research fields, including Arts & Humanities, Social Sciences, Engineering, Physics, Technology, Life Sciences, Medicine, and Natural Sciences. Within this prestigious institution, the Department of Surgical, Oncological, and Gastroenterological Sciences (DISCOG) stands out as a center of excellence dedicated to research, teaching, and clinical care in the fields of surgery, oncology, and gastroenterology. It offers a wide range of
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DIPARTIMENTO DI SCIENZE CHIRURGICHE ONCOLOGICHE E GASTROENTEROLOGICHE

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	<p>educational programs, including undergraduate and graduate courses, PhDs, master's degrees, and specialization schools. Thanks to advanced infrastructure and international collaborations, DISCOG significantly contributes to scientific innovation and the improvement of medical care. Moreover, the department is at the forefront of research, encompassing basic, clinical, and translational studies, benefiting patients both regionally and nationally.</p> <p>Among the department's various lines of research, cooperation projects that can provide the department with the opportunity to participate in partnerships on topics such as</p> <ul style="list-style-type: none"> • innovative and minimally invasive surgical approaches; • immunotherapy and tumours, • regenerative medicine, tissue engineering and organ manipulation. <p>Special interest on the part of the department is in the use of artificial intelligence in different fields and in the personalisation of treatments.</p>
<p><i>Activities and experience of the department</i></p>	<p>DISCOG is committed to promoting multidisciplinary collaboration and leveraging its strengths in key strategic areas, including:</p> <ul style="list-style-type: none"> • <u>Clinical Oncology (prof. Valentina Guarneri)</u> • <u>Basic and Translational Oncology (prof. Antonio Rosato)</u> • <u>Surgical Oncology (prof. Simone Mocellin)</u> • <u>Immunology and Tumor Immunology (prof. Antonio Rosato)</u> • <u>Diseases of the Digestive System (prof. Patrizia Burra)</u> • <u>Transplants and Regenerative Medicine (prof. Patrizia Burra, prof. Umberto Cillo)</u> • <u>Surgery (prof. Giacomo Zanus, prof. Umberto Cillo, prof. Simone Mocellin, prof. Gaya Spolverato, prof. Michele Valmasoni, prof. Lucrezia Furian, prof. Maurizio Iacobone)</u> • <u>Urology (prof. Fabrizio Dal Moro)</u> • <u>Orthopedics (prof. Pietro Ruggieri)</u> • <u>Radiotherapy (prof. Marco Krengli)</u> <p>By combining the University of Padua's commitment to research excellence with DISCOG's specialized focus, the department plays a crucial role in advancing scientific knowledge and improving patient care at both national and international levels.</p> <p>Thanks to its collaboration with the Regional Hospital and the Regional Institute for Hospitalisation and Scientific Care, the Department has become a reference point for several areas of expertise, including transplantology, in particular liver, kidney and pancreas transplantation, and oncology, with a particular focus on several types of tumours, including bladder cancer, including bladder cancer, bone sarcomas, breast cancer, cholangiocarcinoma, oesophageal cancer, gastrointestinal tumours (including precancerous lesions), hepatocellular carcinoma, intestinal cancers, kidney cancer, leukaemia, liver cancer, liver metastases, lung cancer, lung tumours, melanoma, ovarian cancer, pancreatic cancer, pelvic tumours, prostate cancer, soft tissue sarcomas and thyroid cancer.</p> <p>The department also supports research in its various laboratories and through collaborations that have led it to be involved in the activities of:</p>

	<ul style="list-style-type: none"> • Regional Cell Therapy Foundation for Diabetes • Research Biobank • Interdepartmental Centre for Translational Research Activities in Surgery and Medicine. <p>In addition, it is important to mention that the department, in the figures of its member teachers, adheres to the following European Networks:</p> <ul style="list-style-type: none"> • ETPN - Nanomedicine European Technology Platform, • DAIRO - Data, AI and Robotics
Skills and expertise of key staff/persons in the department	<p>The DiSCOG department includes more than 43 full and associate professors and 27 researchers.</p> <p>DiSCOG has filed several patents, in particular five between 2019 and 2023, mainly in the field of surgery and medical oncology (see more on https://www.unipd.it/database-brevetti).</p>

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European Union granted projects			
EU programme	Year	Project identification	Applicant Name

H2020 ERC StG	2019	SYNVIVO (GA 853179) "Revealing dendritic cell-CD4+ T cell communication by using synthetic biology in vivo"	Giulia Pasqual
EJP Networking Support Scheme (H2020)	2023	Proposal n. 463001046 "Research Workshop on Primary Sclerosing Cholangitis associated with Inflammatory Bowel Disease: Designing the basis for a European prospective research"	Nora Cazzagon
Horizon Europe Mission Cancer	2023	DEFINITIVE (GA 101136953) "Diagnostic HER2DX-guided treatment for patients with early-stage HER2-positive breast cancer"	Valentina Guarneri