



# Paolo Manca

**Website:** <https://scholar.google.it/citations?hl=it&user=ialN5qgAAAAJ> |

**Address:** Via Venezian, 1, 20133, Milan, Italy (Work)

## ● WORK EXPERIENCE

01/12/2024 – CURRENT Milan, Italy

**MEDICAL ONCOLOGIST** FONDAZIONE IRCCS ISTITUTO NAZIONALE DEI TUMORI

- outpatient and inpatient clinic visits within the GI UNIT group in the Istituto Nazionale dei Tumori in Milan (leader: Dr Filippo Pietrantonio), comprising patients treated in a wide variety of sponsored and non-sponsored clinical trials
- sub-investigator of several interventional and observational clinical research studies

04/11/2019 – 13/11/2024 Milan, Italy

**ONCOLOGY RESIDENT** ISTITUTO NAZIONALE DEI TUMORI

- outpatient clinic visits within the GI UNIT group in the Istituto Nazionale dei Tumori in Milan (PI: Dr Filippo Pietrantonio), comprising patients treated in a wide variety of clinical trials (from early to phase III and both sponsored and non-sponsored)
- accountability for clinical management of treatment toxicities, identification of SAE and subsequent report when relevant
- writing and conduction of retrospective research protocols
- research activities pertaining patients with GI tumors, comprising translational endpoints of large phase 2 and 3 trials (VALENTINO, CARACAS, OPRA as leader, JACOB, INFINITY, MAYA among others as co-author)

10/2023 – 02/11/2024 New York, United States

**RESEARCH SCHOLAR** MEMORIAL SLOAN KETTERING CANCER CENTER

- leading multiple computational biology-oriented colorectal cancer research projects with large scale real world data (~7000 pts) including comprehensive genomic profiling and clinical data mined through natural language processing (Dr Rona Yaeger and Dr Niki Schultz labs)
- guidance of graduate students and PhD students for research projects
- observer of clinical activity comprising treatment of patients with colorectal cancer in early clinical trials

04/2021 – 03/2022 Milan, Italy

**COVID 19 VACCINATIONS**

Involved in the emergency campaign for the population large-scale vaccination

02/2019 – 09/2019 Rome, Italy

**FREELANCE MEDICAL DOCTOR** MERRY HOUSE CLINIC

Run of the Hospice department (9 beds) and home visits for terminally ill patients (36 patients)

**ITALIAN PROFESSIONAL ABILITATION FOR MEDICAL PRACTICE ON 02/2019**

## ● EDUCATION AND TRAINING

10/2019 – 13/11/2024

**ONCOLOGY RESIDENCY** University of Milan, Milan (Italy)

08/2018 – 11/2018

**VISITING RESEARCHER** University of Zurich, Zurich (Switzerland)

Bioinformatics analyses with R and Bioconductor, comprising: CyTof data and cancer mutation data

08/2012 – 07/2018

**MEDICINE AND SURGERY DEGREE - LAUREA IN MEDICINA E CHIRURGIA** Campus Bio-medico University, Rome (Italy)

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Final grade: 110/110 *cum laude*

11/2014 – 07/2018

**TRASLATIONAL ONCOLOGY LABORATORY/MEDICAL ONCOLOGY DEPT.** Campus Bio-medico University, Rome (Italy)

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1. Active participation to the Laboratory research (experiments execution, data interpretation, writing of papers)
2. Acquisition of laboratory basic skills (*procedures I carried out by myself: use of laminar flow cabinet, maintenance of a cell culture, serum and cells extraction from peripheral blood, protocols for macrophage differentiation into osteoclasts, protein, DNA or RNA extraction from cell culture, western blot, PCR, real time PCR*).

08/2017 – 10/2017

**PHASE I CLINICAL TRIALS UNIT - ANTWERP** Antwerp University Hospital, Antwerp (Belgium)

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Familiarization with Phase I trial conduct

08/2016

**OBSERVERSHIP AT THE PHILIPS INSTITUTE FOR ORAL HEALTH RESEARCH** Virginia Commonwealth University, Richmond, VA (United States)

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Familiarization with experiments conducted on animal cancer models (mice)

## ● PUBLICATIONS

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### Publications indexes and link to complete list of publications

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Metrics (as of Feb 15th, 2024):

1. Scopus: H index **15**; Citations **734**; Number of Publications **36**
2. Google Scholar: H index **17**; Citations **1009**; Number of Publications **62**

*Please refer to the following links for an updated list:*

<https://www.scopus.com/authid/detail.uri?authorId=57193672250>

<https://scholar.google.it/citations?user=ialN5qgAAAAJ&hl=it>

## ● CONFERENCES AND SEMINARS

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### Conferences

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- Invited speaker at **AIOM - Artificial Intelligence in Oncology v 5.0** (Rome, September 2021) with the speech titled *Oncologist's point of View*
- Oral presentation at **ESMO - World Congress on Gastrointestinal Cancers** (July 2021) for the abstract *Circulating tumor DNA variant allelic fraction as a surrogate for disease burden estimation in patients with RAS wild-type metastatic colorectal cancer: A secondary endpoint of the VALENTINO study*
- Poster Presentation at **ASCO 2024** (Chicago, June 2024)
- Poster Presentation at **AACR 2024** (San Diego, April 2024)
- Poster Presentation at **ESMO - European Lung Cancer Congress** (Geneve, April 2019)

## ● HONOURS AND AWARDS

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### Honours and awards

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- **Young Investigator Award** from ESMO (European Society of Medical Oncology) for the poster *Circulating tumor DNA variant allelic fraction as a surrogate for disease burden estimation in patients with RAS wild-type metastatic colorectal cancer: A secondary endpoint of the VALENTINO study*
- **Merit Award** from ESMO (European Society of Medical Oncology) for the participation to the European Lung Cancer Congress for the poster "A new bioinformatic pipeline allows the design of small, targeted gene panels for efficient TMB estimation" (April 2019)
- **Best Medical Student** of Campus Bio-Medico University for the academic year 2016 - 2017

● **GRANTS**

**Grants**

- 1. **July 2021:** grant provided by ESMO for the subscription and attendance to the "ESMO - WCGC 2021" congress
- 2. **April 2019:** travel grant provided by ESMO for the attendance of the "ELCC 2019" congress
- 3. **September 2016:** travel grant provided by "Campus Bio-medico Alumni Association" on the basis of academic merit for the attendance of the course "A primer on clinical and traslational research" in Richmond, VA (US).
- 4. **Academic year 2012/2013:** grant provided by "Regione Sardegna" for first year College/University students on the basis of academic merit

● **REVIEWER DUTIES**

**Invited peer reviewer for the following Journals**

Molecular Cancer Research  
ESMO Open  
Heliyon  
BMC Medicine  
Critical Reviews in Oncology/Hematology  
Cellular and Molecular Biology letters  
Tumori Journal  
Tumor Biology

**Part of the editorial board of the following Journals**

Discover Oncology

● **COURSES**

**Courses**

- "**ESMO Preceptorship on Gastric Cancer 2023**" (Valencia) (two days)
- "**ESMO Advanced Course on Biomarkers for Precision Cancer Medicine 2022**" (Zurich) (two days)
- "**Multidisciplinary Course in Oncology for Medical Students**" (Antwerp University, Belgium) (two weeks)

● **PATENTS**

**Patents**

I'm the main inventor of a **patent** for a bioinformatic pipeline developed to estimate the **tumor mutational burden** in cancer

● **SKILLS**

R/ R Studio | R/Bioconductor

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**  
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user