Led by Professor Sean Grimmond, the University of Melbourne Centre for Cancer Research (UMCCR) brings together leading cancer researchers from across the University of Melbourne to drive collaboration and achieve improved outcomes for cancer patients.

Our mission is to improve the outcomes for patients with cancer through genome discovery, translation, personalised medicine and cancer care. Our vision is to see innovative and internationally competitive precision oncology available to patients diagnosed with cancer by 2020.

Our research targets key points along the patient journey, from cancer diagnostics, defining the cause of familial predisposition, selection of optimal therapies, combatting recurrence, health data and policy, general practice, nursing and palliative care.

We are seeking to redefine the standard of care for cancer patients, with a focus on rare, recalcitrant and advanced cancers that are resistant to standard therapies.

The UMCCR is developing precision oncology and models of cancer care to ultimately improve survival rates and create greater quality of life for cancer patients.

For more information, visit research.unimelb.edu.au/umccr
Our Research

Cancer in Primary Care
Professor Jon Emery
Exploring the role of primary care across the cancer continuum, including studies on cancer screening, cancer diagnosis and survivorship care.

Gastrointestinal Cancer
Professor Alex Boussioutas
Investigating translational aspects of gastrointestinal oncology, spanning population health and epidemiology, integrative genomics, cell biology and early detection.

Rare Disease Oncogenomics
Dr Richard Tothill
Dedicated to translational research of rare and less common cancers, encompassing neuroendocrine tumours and cancer of unknown primary.

Cancer Nursing
Professor Meinir Krishnasamy
Developing new and translating existing knowledge into practice to enhance the experience and outcomes of people affected by cancer, and the efficiency of health service delivery.

Genetic Epidemiology
Professor Melissa Southey
Characterising the genetic and epigenetic factors responsible for cancer predisposition and progression, including familial aggregation of cancers.

Single Cell Innovation
Dr Luciano Martelotto
The creation and/or implementation of new technologies to understand how cells collectively perform systems-level functions in healthy and diseased states.

Colorectal Oncogenomics
Associate Professor Daniel Buchanan
Identifying and investigating clinically and biologically relevant subtypes of colorectal cancer, including hereditary colorectal and polyposis syndromes.

Genomics Platform Group
Associate Professor Oliver Hofmann
Improving the scalability and reliability of sequencing workflows, better detection of changes in cancer genomes, and aiming to make tumour data accessible in real time.

Tumour Heterogeneity in Metastatic Cancer
Associate Professor Frédéric Hollande
Understanding the mechanisms that underlie the genetic and non-genetic heterogeneity within individual tumours and characterising the role it plays on metastatic progression and treatment response.

Precision Oncology
Professor Sean Grimmond
Exploring mutational signatures of DNA and their contributions to individual tumours, through rapid genomic analysis.

VCCC Palliative Medicine Research Group
Professor Jennifer Philip
Seeking to effect positive and systemic change in palliative care practice and accelerate the translation of research-generated knowledge to improve patient care.

Colorectal Cancer Epidemiology
Professor Mark Jenkins
Undertaking a comprehensive approach to reduce the burden of colorectal cancer and improve results for patients.
The University of Melbourne Faculty of Medicine, Dentistry and Health Sciences

The University of Melbourne Centre for Cancer Research is a centre of the world-leading University’s Faculty of Medicine, Dentistry and Health Sciences, led by Dean and Assistant Vice-Chancellor (Health) Professor Shitij Kapur. The Faculty has extensive links with hospitals, leading research institutes, the public and private sectors, and is internationally renowned for global leadership in health research, policy and practice.

The Victorian Comprehensive Cancer Centre

In the genomics era, partnerships are critical to advancing cancer research. The University of Melbourne is a proud partner of the Victorian Comprehensive Cancer Centre (VCCC) alliance, facilitating the sharing of infrastructure and supporting collaboration between 10 leading medical research, academic and clinical institutions. The VCCC partners work strategically together, integrating cancer research, clinical trials and education to enable and accelerate the translation of scientific evidence into patient and community benefit.

Play a part in the development of life-changing discoveries for cancer patients

Get in touch to discuss research and career opportunities, study pathways, industry collaborations, and philanthropic donations.

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FACULTY OF MEDICINE DENTISTRY AND HEALTH SCIENCES

MELBOURNE MEDICAL SCHOOL
- Cancer in Primary Care
- Gastronointestinal Cancer Research
- Colorectal Oncogenomics
- Tumor Heterogeneity in Metastic Cancer
- Rare Disease Oncogenomics
- Single Cell Innovation
- Genetic Epidemiology
- VCCC Palliative Medicine Research Group

SCHOOL OF HEALTH SCIENCES
- Cancer Nursing Research

SCHOOL OF POPULATION AND GLOBAL HEALTH
- Colorectal Cancer Epidemiology

CENTRE FOR CANCER RESEARCH
- Precision Oncology
- Genomics Platform Group