



Cima
Universidad
de Navarra

cima
CENTRO DE INVESTIGACION
MEDICA APLICADA

**RESEARCH PROGRAMS &
TECHNOLOGICAL CAPABILITIES**
Cima University of Navarra



Cima Universidad de Navarra



Center for Applied Medical Research

Inaugurated in 2004 with the mission of conducting translational research of excellence aimed at benefiting patients and society.

We are the research center of the Clínica Universidad de Navarra.

With our academic status, we work non-profit to achieve our scientific goal of addressing current clinical problems and proposing the most effective treatment for each patient.

With more than 423 professionals, our research is multidisciplinary, carried out by teams of professionals from various fields (biologists, biochemists, pharmacists, engineers, doctors, laboratory technicians, etc.)

We are leaders in research on cancer, heart diseases, and liver diseases, in the field of immunotherapy and gene therapy.

The high specialization of our professionals in different biomedical areas is reflected in the research quality of their scientific publications, their international projects, and the development of therapeutic innovations.



Research Divisions & Programs

Cancer

- Hemato-Oncology
- Solid Tumors
- Immunology & Immunotherapy

Cardiovascular Diseases

DNA & RNA Therapies

- RNA Biology & Therapies
- Gene Therapy for Neurological Diseases
- Gene Therapy for Rare Diseases

Technological Innovation

- Computational Biology & Translational Genomics
- Cytometry
- Biomedical Engineering
- Therapeutic Innovation



Technological Platforms

Biochemical Analytics

Biobank

Bioinformatics

Cytometry

Genomics

Imaging

Radioactive Facility

MicroPET

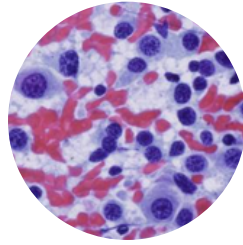
Animal Models

Morphology

Animal Production & Experimentation

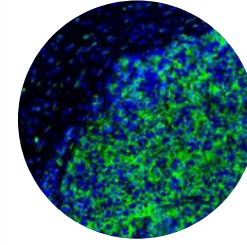
DIVISIONS & RESEARCH PROGRAMS

Cancer



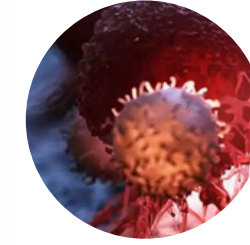
Hemato-Oncology

- Myeloid Pathology (Epigenetics, Adoptive Cell Therapy, Hematopoiesis, & Genomics)
- Lymphoproliferative Syndromes
- Multiple Myeloma



Solid Tumors

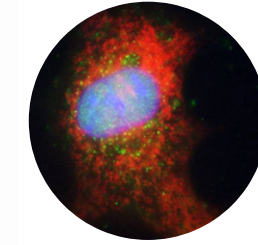
- Hepatology (Epigenetics & Porphyrin)
- Translational Oncology
- Adhesion & Metastasis
- Oncogenes & Effector Targets
- Advanced Therapies in Pediatrics
- Biomarkers & New Therapeutic
- Targets Tumor Evasion & New Targets
- Applied & Translational Oncoimmunology



Immunology & Immunotherapy

- Vaccine Development
- Tumor Microenvironment Immunomodulation
- Cytokine Therapies
- Adoptive Cell Therapy
- Translational Immunotherapy
- Immunotherapy Strategies in Peritoneal Cancer
- Dynamics of the Antitumor Immune Response

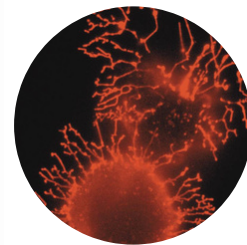
Cardio



Cardiovascular Diseases

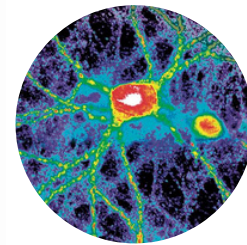
- Heart Failure

DNA & RNA Therapies



RNA Biology & Therapies

- Microproteins
- Non-Coding RNA
- Cancer Gene Therapy
- Endoplasmic Reticulum Stress Response



Neurological Diseases

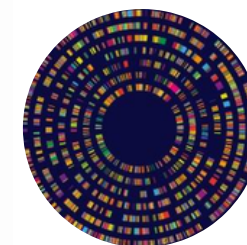
- Alzheimer's
- Parkinson's
- Cellular Neurobiology



Rare Diseases

- Liver Diseases
- Renal Diseases
- Monogenic Encephalopathies
- Hereditary Hearing Loss & AAV Engineering

Technological Innovation



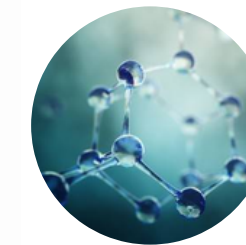
Computational Biology & Translational Genomics

- Machine Learning in Biomedicine
- Translational Genomics



Biomedical Engineering

- Microphysiological Models
- Cardiac Tissue Engineering
- In Vivo Organ Generation
- Experimental Orthopedics
- Physiological Monitoring & Control



Therapeutic Innovation

- Aptamers
- Medicinal Chemistry



Cytometry

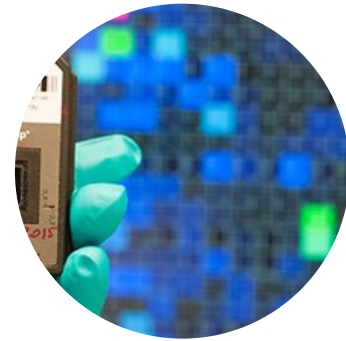
TECHNOLOGICAL PLATFORMS IN SUPPORT OF RESEARCH



Biochemical Analytics



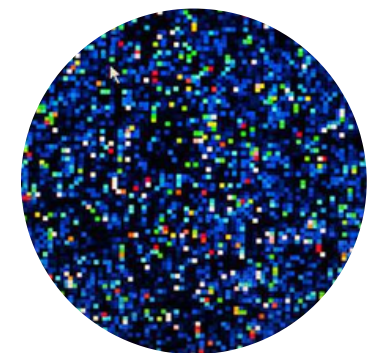
Biobank



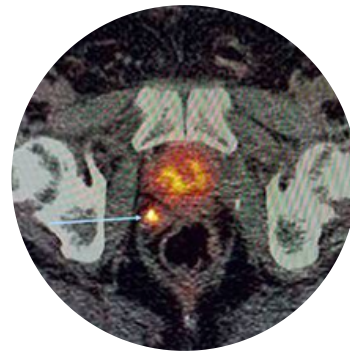
Bioinformatics



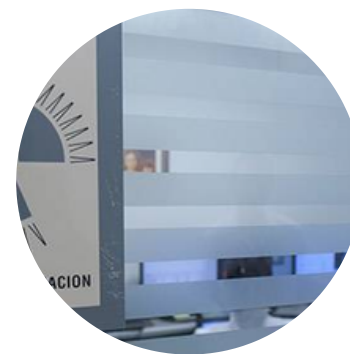
Cytometry



Genomics



Imaging



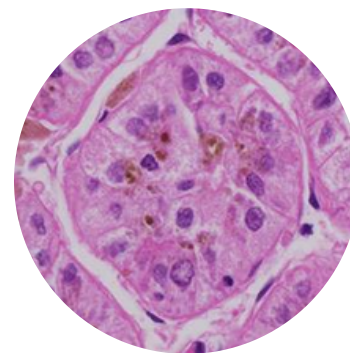
Radioactive Facility



MicroPET



Morphology



Animal Models



Animal Production & Experimentation





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International Projects Unit



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