A map of Spain with several teal circular nodes of varying sizes connected by thin grey lines, representing a network structure. The nodes are distributed across the country, with a larger node in the northeast and another in the south.

# CIBERONC

## Work Modules

## Actions 2018:

1. To strengthen the Director's position arguing for a larger budget from the parent

Instit  
the

1. CIBERONC major mission as "Promote stable collaborative translational cancer research in Spain, focusing on translational precision medicine as a strategy to meet the European priorities"

2. The requ

3. The grou

2. Central management budget will be increased

4. The

benefit from the clarity of the mission and will minimize the natural competitiveness betw

5. The

3. The evaluation criteria will be updated

precision medicine".

6. The

unco  
soft

**4. Transversal work modules focused in major fields of translational precision medicine will be created**

ways to maximize the investment in this type of effort utilized by many programs, for example, SOPs for the collection of germ line DNA.

# CIBERONC Strategic Plan 2017-2020

2017

Launching and Net  
Consolidation

- Internal Organization
- Programs Consolidations
- National Visibility

- Promote CIBERONC collaborative scientific activity
  - Intra & inter-Program
  - InterCIBERs
  - With external entities

2020

Internationalization  
& Translation

- Results translation (tech transfer, clinical assays, spin-off)
- International visibility

## Stage I: Push

### RESEARCH PROGRAMS



On-going research lines  
to  
Scientific Collaborative Projects

## Stage II: Pull

### WORK MODULES

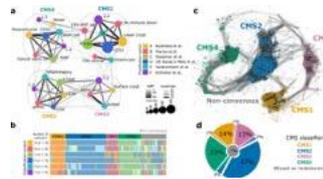


Scientific Collaborative Projects  
to  
European Priorities for Cancer Research

## Epidemiology



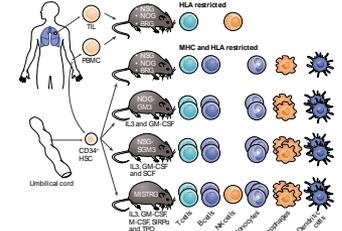
## Classification / Biomarkers



## Novel Drivers



## Models

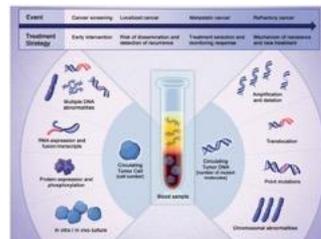


- TUMORS OF THE DIGESTIVE TRACT
- BREAST CANCER
- TUMORS OF THE RESPIRATORY TR...
- HEMATOLOGICAL TUMORS
- TISSUE BIOMARKERS ONCOIMM ...
- MECHANISMS OF TUMOR PROGR...

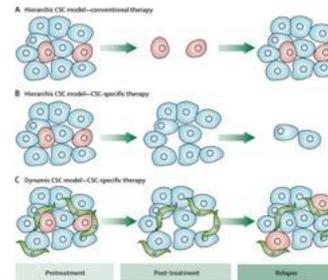
## Clinical trials



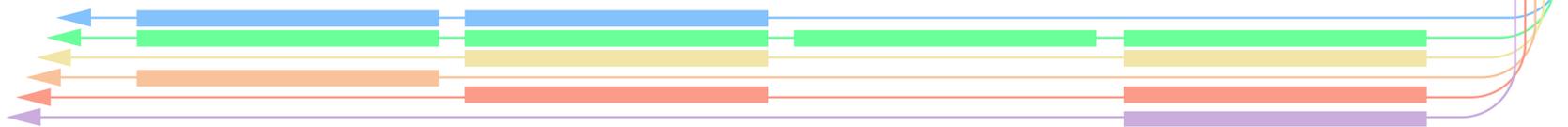
## Liquid Biopsy

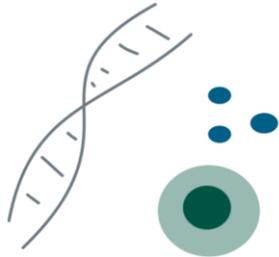


## Resistance

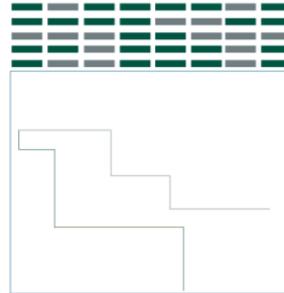


## Novel Therapies





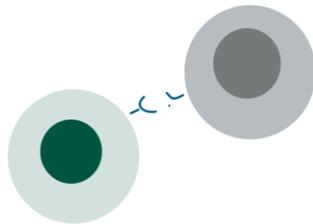
WM1. Liquid Biopsy  
& Biomarkers



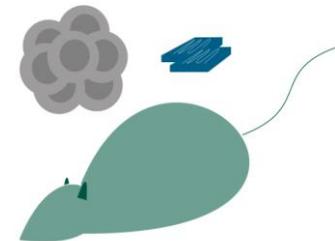
WM2. Cancer Bioinformatics  
& Omics



WM3. Drug Resistance &  
New Treatments



WM4. Immuno-Oncology



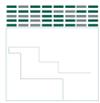
WM5. Experimental Models



## Liquid Biopsy & Biomarkers

Rodrigo Toledo

Vall d'Hebron Instituto de Oncología



## Cancer Bioinformatics & Omics

Víctor Quesada

Universidad de Oviedo



## Drug Resistance & New Therapies

Alberto Ocaña

Universidad de Castilla La Mancha



## Immuno-Oncology

Pedro Berraondo

Centro de Investigación de Medicina Aplicada



## Modelos Experimentales

Patricia Pérez-Galán

Instituto de Investigaciones Biomédicas August Pi i Sunyer



**1**

**Promote the creation of collaborative projects oriented to compete in international external calls.**

**2**

**Promote CIBERONC inter-Program collaboration.**

**3**

**Promote CIBERONC young researchers' careers.**

**4**

**Facilitate communication and organization between those CIBERONC members who usually work in similar biomedical processes.**

**5**

**Unify resources and protocols in the area.**

Liquid Biopsy & Biomarkers

Cancer Bioinformatics & Omics

Drug Resistance & New therapies

Immuno-Oncology

Experimental Models

PERSONALIZED  
MEDICINE IN  
CANCER

1A	1B	1C	1D	1E	Gastro-Intestinal Tumors
2A	2B	2C	2D	2E	Breast Cancer
3A	3B	3C	3D	3E	Respiratory Tract Tumors
4A	4B	4C	4D	4E	Hematological Tumors
5A	5B	5C	5D	5E	Low Prevalence Tumors
6A	6B	6C	6D	6E	Mechanisms of Tumor Progression

## RESEARCH PROGRAMS



Gastro-Intestinal Tumors



Breast Cancer



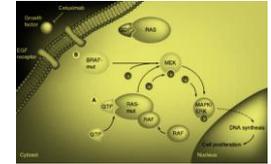
Respiratory Tract Tumors



Hematological Tumors



Low Prevalence Tumors



Mechanisms of Tumor Progression

### WORK MODULES



Liquid biopsy & Biomarkers

Cancer Bioinformatics & Omics



Drug Resistance & New Therapies

Immuno-Oncology



Experimental Models

Training & Mobility

- 12:30 - 14:00 **CIBERONC SESSION : CANCER BIOINFORMATICS AND OMICS: BEYOND CANCER GENOMES**
- 12:30 - 12:45 Greetings  
Dr. Joaquín Arribas. CIBERONC Scientific Director
- 12:45 - 13:30 Harnessing Big Data to help cancer patients  
Dr. Xosé M. Fernández, Director of Data, Institut Curie
- 13:30 - 13:45 Cancer Bioinformatics and Omics CIBERONC Work Module  
Dr. Víctor Quesada. CIBERONC Work Module Leader
- 13:45 - 14:00 CANCERTOOL: exploration, visualization and representation of cancer datasets  
Dra. Verónica Torrano. CIC bioGUNE

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