



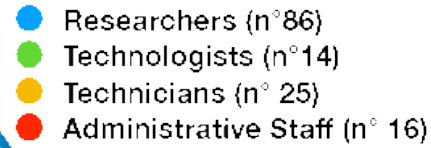
IRIB CNR

INSTITUTE FOR BIOMEDICAL RESEARCH AND INNOVATION
NATIONAL RESEARCH COUNCIL (CNR)

IRIB CNR

where Research turns into Innovation





141 PEOPLE

SITES

5

RESEARCH PROJECT AREAS

1. BioMaterials and BioEngineering
2. Environment, Immunity and Cancer
3. Translational Pneumology
4. Neuroscience and Rare Diseases
5. Typical and Atypical Child Development

The **FOCUS** of IRIB is the development of **new diagnostic approaches** and **innovative therapeutic solutions**.

OUR APPROACH

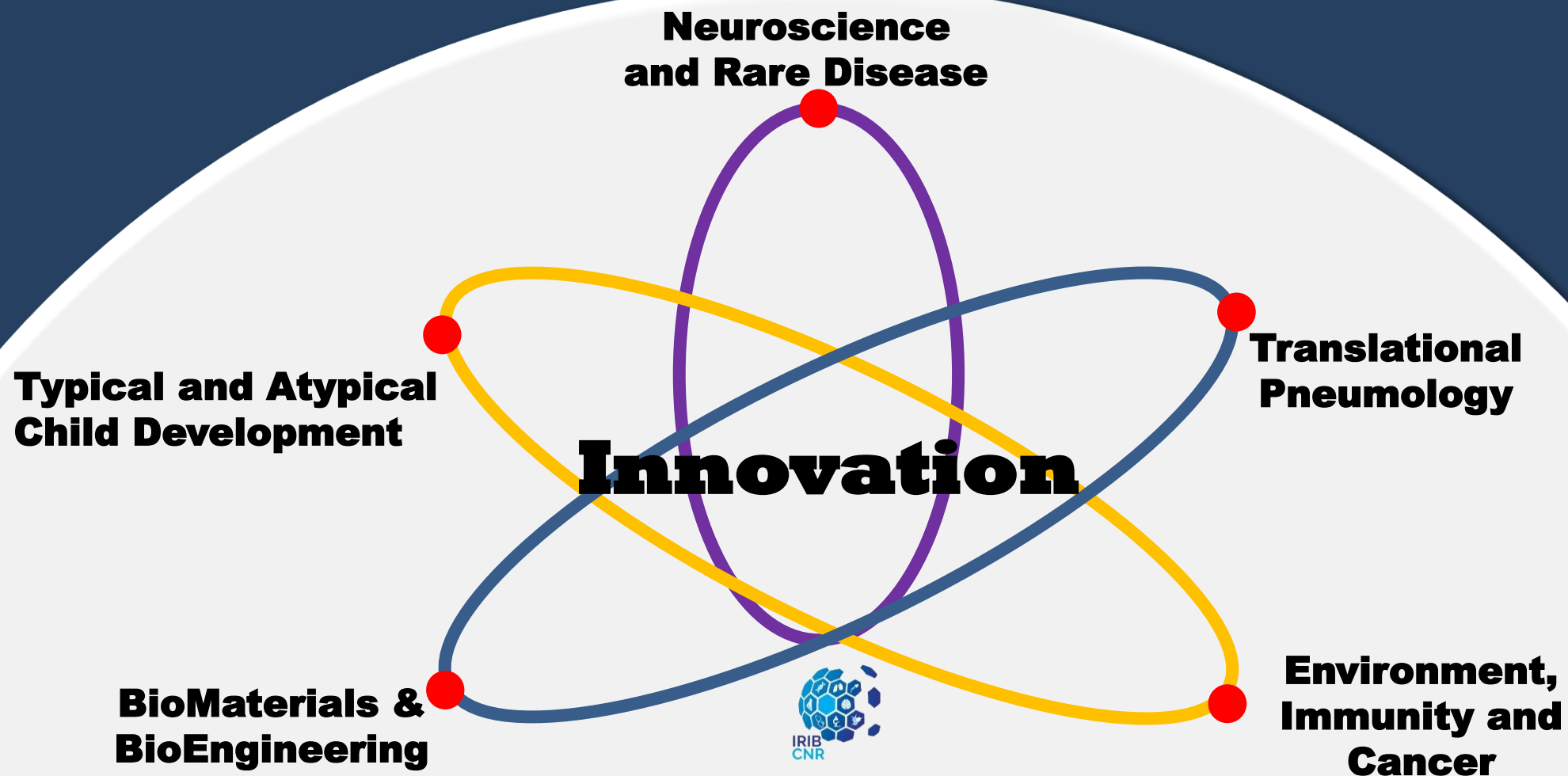
**BASIC
RESEARCH**

**MOLECULAR
MECHANISMS AND
BIOMARKERS
DISCOVERY**

**NEW THERAPEUTIC
APPROACHES**

**CLINICAL TRIAL
& DIAGNOSIS**

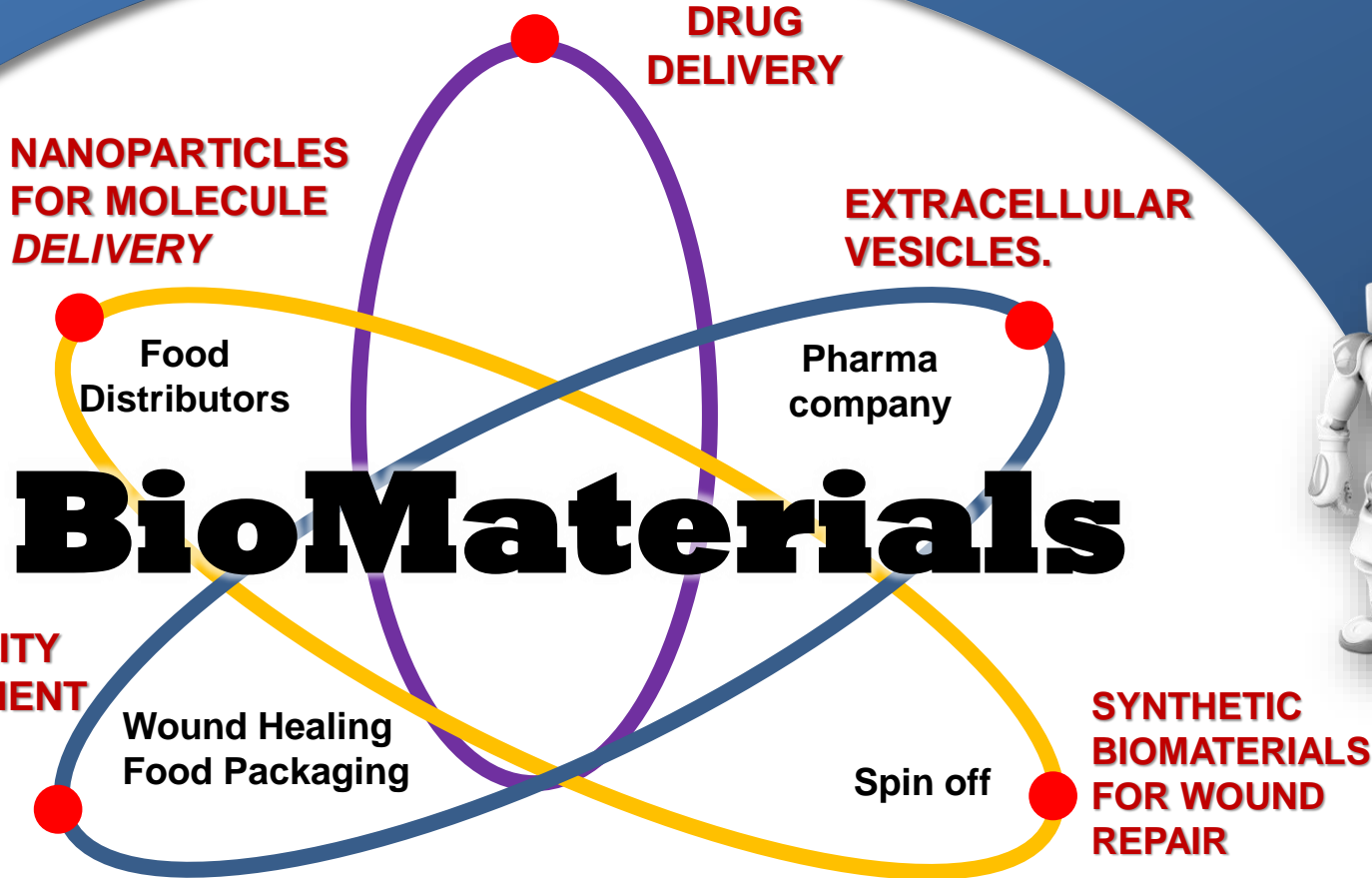
**TECHNOLOGICAL
APPLICATIONS**



➔ Innovation in BioMaterials and BioEngineering



Applications



BioEngineering

➔ Environment, Immunity & Cancer

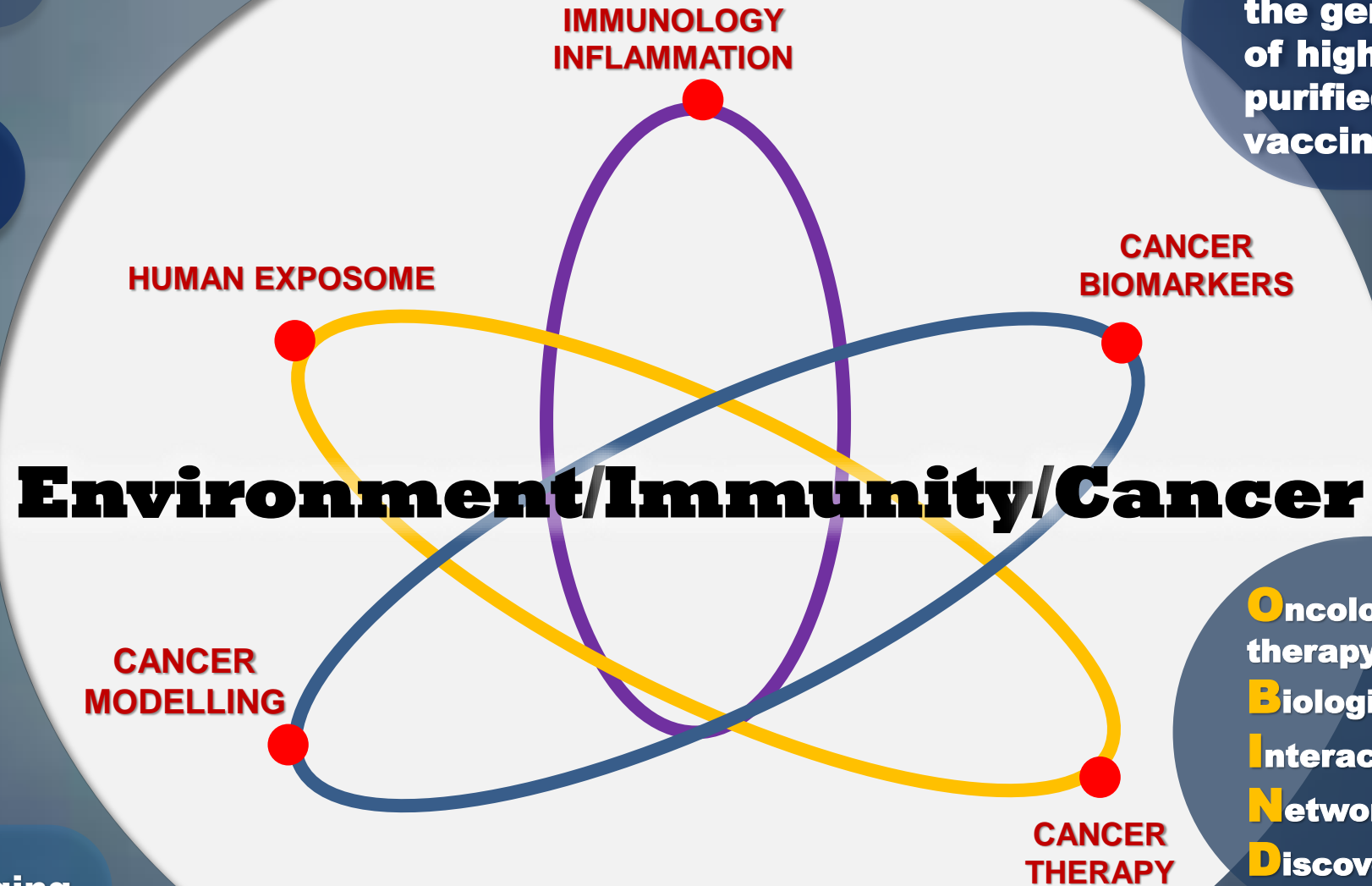
Hepacellular carcinoma

Inflammatory disease and tissue damage

Pollution and Health

Melanoma immune escape

Stress and Aging



Novel approaches for the generation of highly purified allergy vaccines

Oncological therapy through
Biological Interaction Network
Discovery

➔ Translational Pneumology



Bronchial Asthma

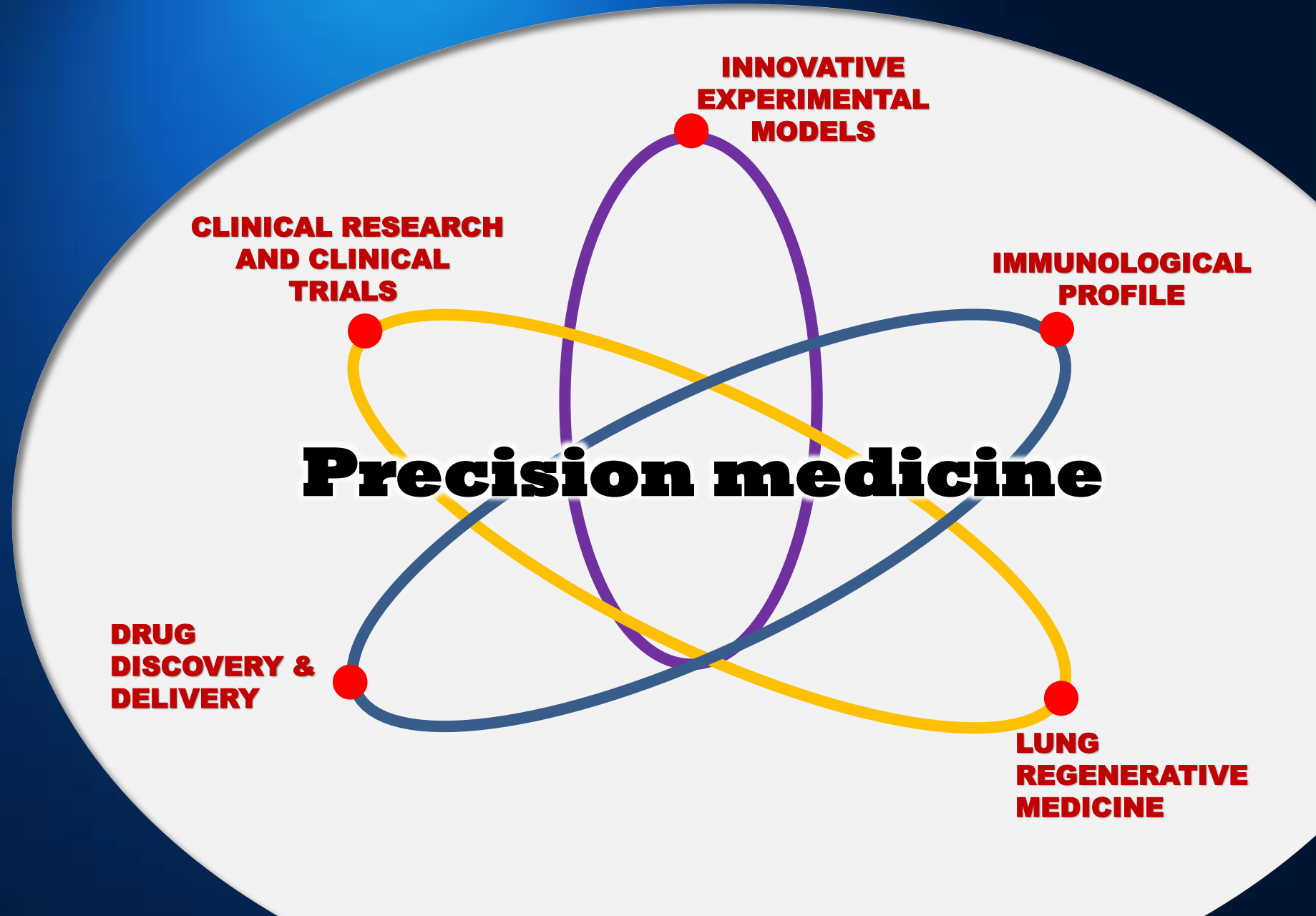
Sleep Disorders

Rhinosinutis

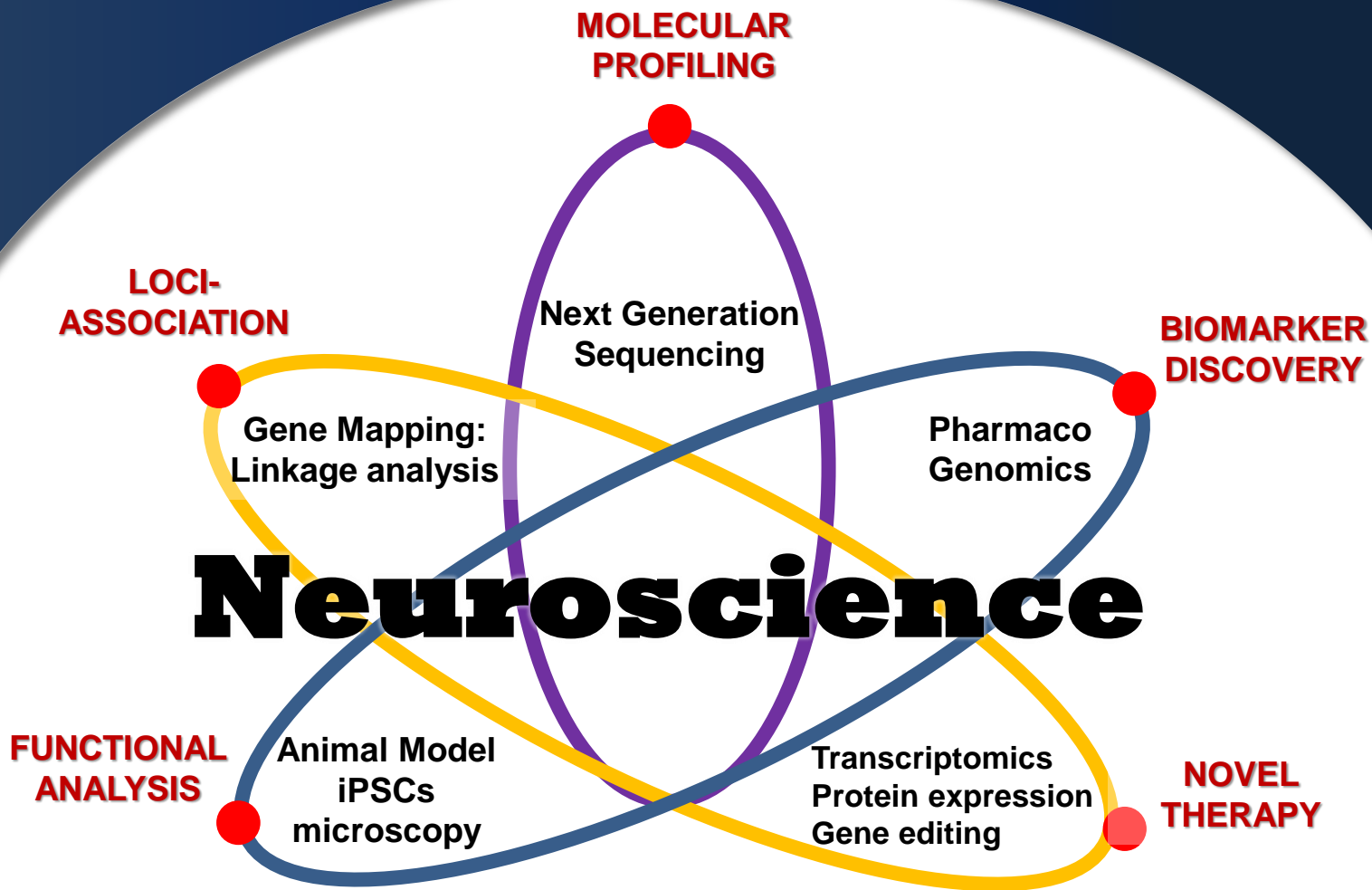
Nutrition and Metabolism

Neuromuscular diseases

Allergy



➔ Neuroscience and Rare Diseases



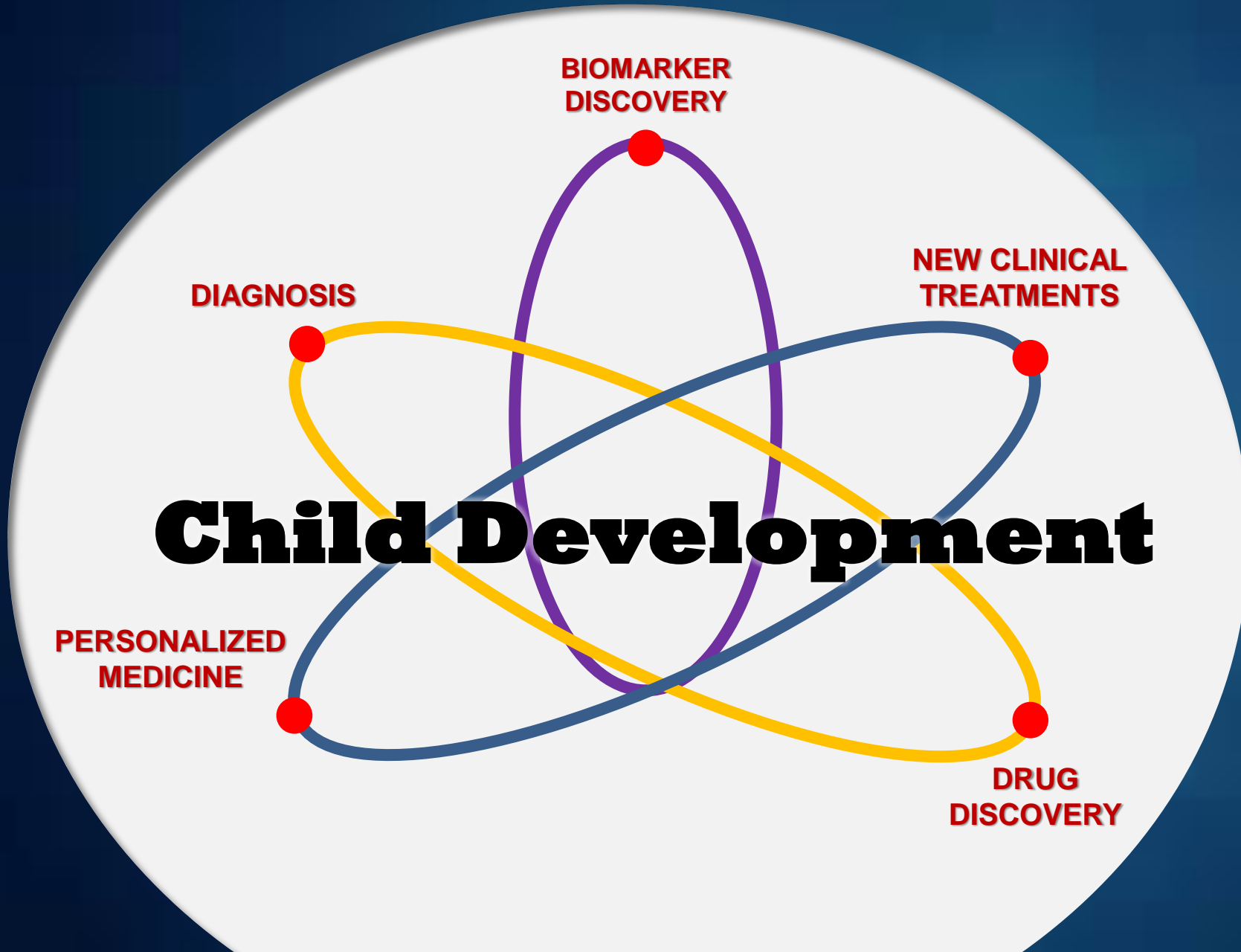
NEURO-DEVELOPMENT

NEURO-DEGENERATION

AGING

NEURO-ONCOLOGY
RARE STORAGE DISEASES

➔ Typical and Atypical Child Development

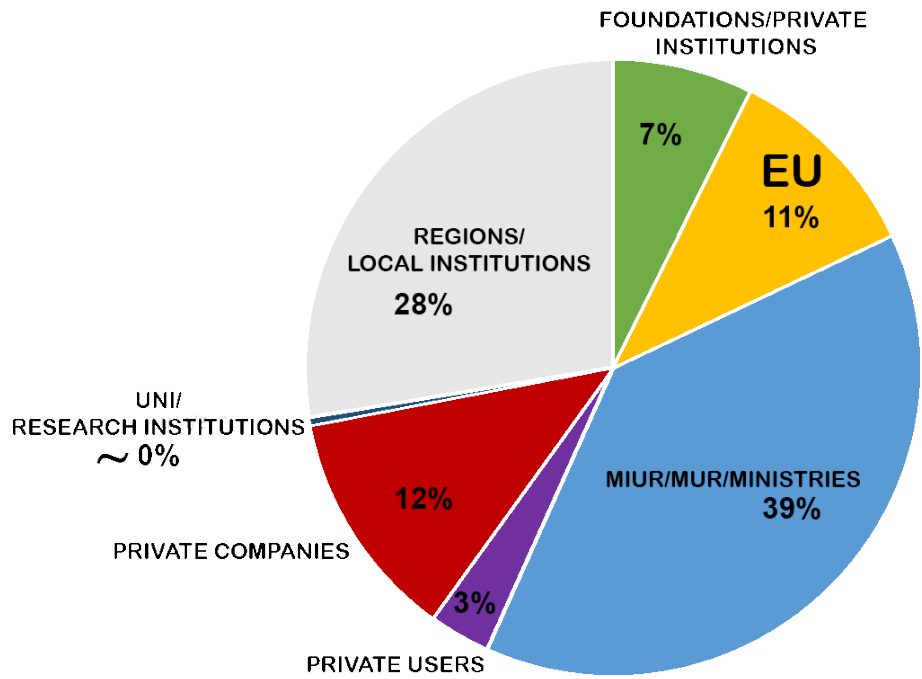


**EPIGENETICS OF
CHILD ABUSE**

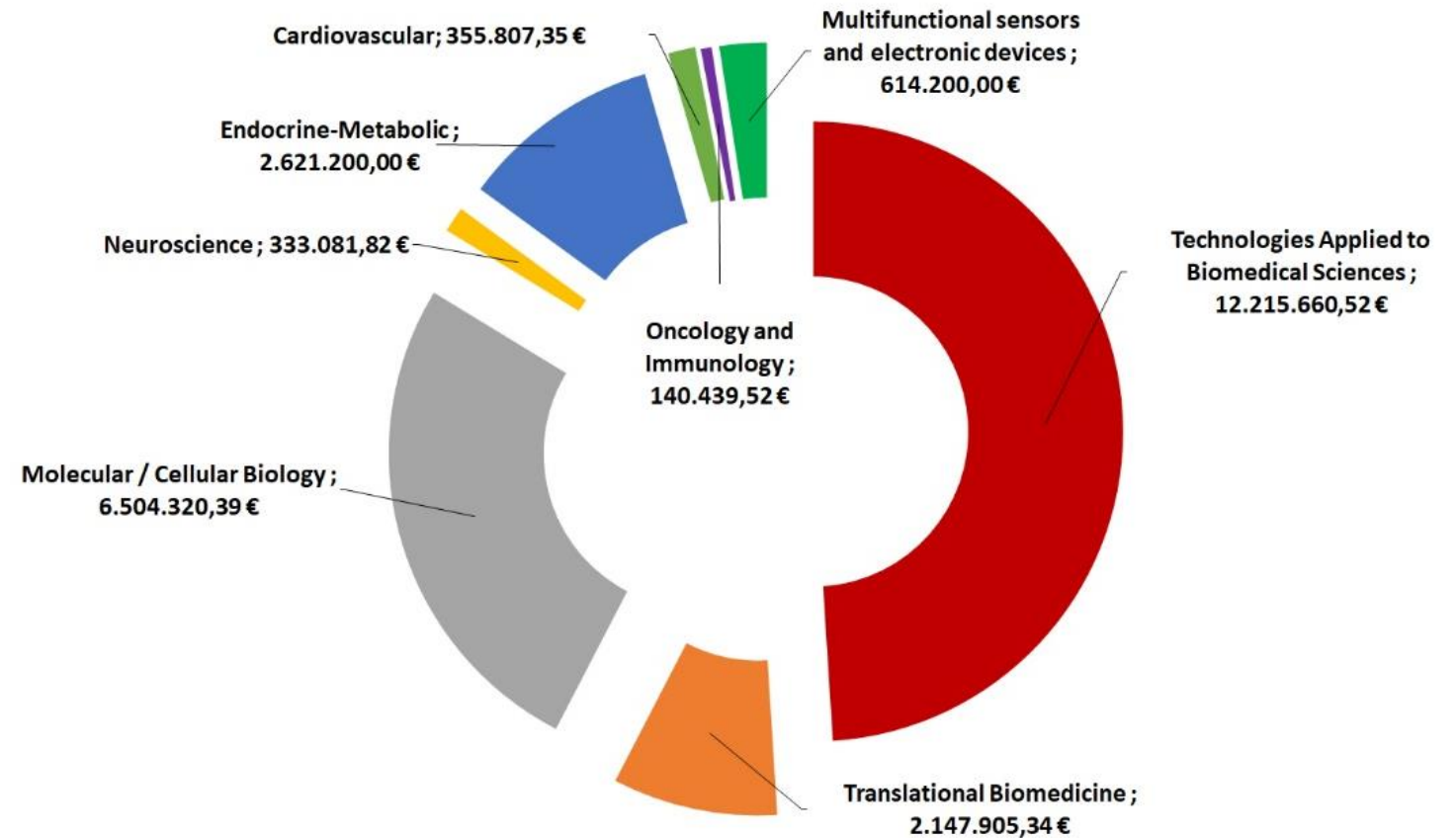
PROJECTS

PALERMO | CATANIA | MESSINA | CATANZARO | COSENZA

IRIBCN



Thematic Areas Distribution of Projects and Funds 2018-2021



PAPERS

308

since June, 2019...

COLLABORATIONS

MINISTERO DELLA SALUTE

ITALIAN UNIVERSITIES

NATO



EDA

HORIZON2020



ESICM ESSO



MARIECURIE

EUROPEAN AND

AMERICAN UNIVERSITIES

STMICROELECTRONICS ASTRAZENECA

MEDINEOS BIOMAY SANOFI/GENZYME

MEDILINK GLAXOSMITHKLINE



International

National

south
research
hub

Companies

CNR INSTITUTES

ITD (Tecnologie Didattiche) IFC (Fisiologia Clinica)

IBBR (Bioscienze e Biorisorse) ISMed (Studi sul Mediterraneo)

IBF (Biofisica) ISMN (Studio dei Materiali Nanostrutturati)

IASI (Analisi dei Sistemi ed Informatica) ISTC (Scienze e Tecnologia della Cognizione)

CNR



IEMEST ISS

MUR ISPRA



Regional
and Local



ISMETT RI.MED



REGIONE SICILIA

REGIONAL AGENCIES

LOCAL HEALTH CENTRES



AND HOSPITALS

GRANTS OFFICE



Grants Office

- IDENTIFY OPPORTUNITIES
- PROJECT PLANNING
- GET FUNDING
- REALIZATION OF THE PROJECT
- PROJECT REPORTING

COMMUNICATION AND THIRD MISSION GROUP



Communication and Third Mission Group

- SCIENTIFIC DISSEMINATION
- MEDIA INVOLVEMENT
- CONSENSUS CONFERENCE ORGANIZATION
- HEALTH PROTECTION INITIATIVES
- LIASING WITH SCHOOLS

TECHNOLOGY TRANSFER



Technology Transfer

- COMPANY COLLABORATIONS
- PROTECTION OF INTELLECTUAL PROPERTY
- PATENTS MANAGEMENT
- LICENSE AGREEMENTS
- SPIN OFFS

CONTINUING EDUCATION



Continuing Education

- SEMINARIES
- INFORMATION SHARING
- EXCHANGE OF KNOWLEDGE
- NETWORKING
- THINK OUT OF THE BOX
- CROSS FERTILIZATION

PRIVACY AND SECURITY GROUP



Privacy and Security Group

- GDPR COMPLIANCE
- WIRELESS NETWORK SECURITY
- INFORMATION ABOUT COOKIES AND INTERNET SITE NAVIGATION
- PERSONAL DATA PROTECTION
- LEGAL

SERVICES

WORK TOGETHER

PRIN **POR**
PON
Horizon



 RESEARCH

 IDEAS

 TARGETS

 DEVELOPMENT

 INNOVATION



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