

### **STRATEGIC PLAN 2018 - 2022**

Bellvitge Biomedical Research Institute (IDIBELL)

**Extended version** 

#### **Our MISSION**

To conduct **excellent research** that integrates **knowledge and innovation in health** contributing to **the improvement of the quality of life** of citizens

#### **Our VISION**

To become a **European reference in health sciences**, rooted in our **local environment** and contributing to **its growth** by attracting and retaining **research talent in health sciences** 

### **Our VALUES**



**INTEGRITY** 



**ASPIRATION** 



**TRUST** 



**PASSION** 



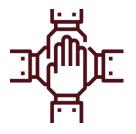
TRANSPARENCY



COMMITMENT

### **Strategic Objectives**









European reference in health sciences & Innovation

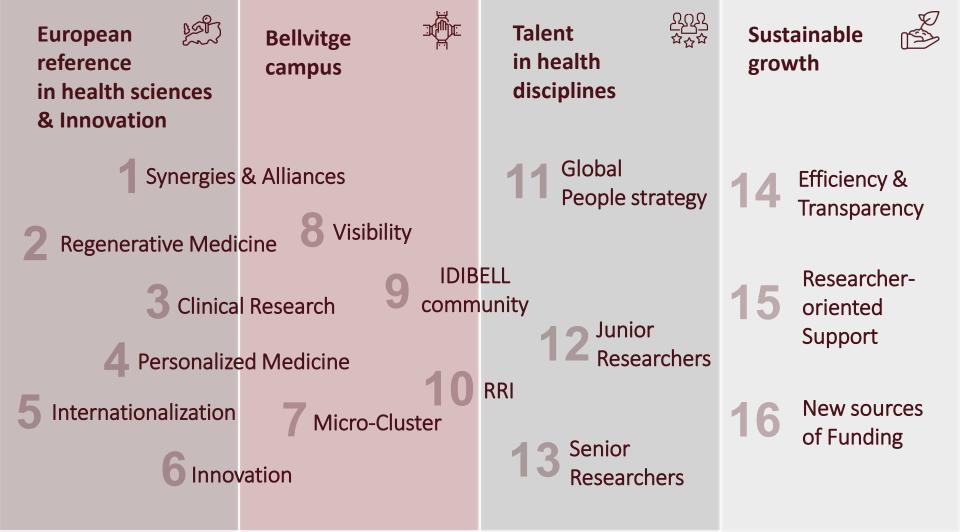
Bellvitge campus as a reality

Talent in health science

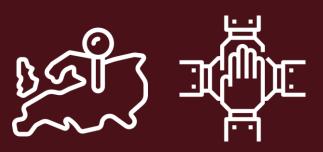
Sustainable growth

### Strategic Plan 18-22 participation

- December 2017 <u>Board</u> approves Strategic Plan (SP) renovation
- February 2018 Mini-Retreat Program coordinators
- April 2018 IDIBELL Retreat: Discussion on strategic lines SP 2018-2022
- April 2018 draft discussion <u>Internal Scientific Advisory Board</u>
- May 2018 draft discussion External Scientific Advisory Board
- June 2018 draft discussion Works Council
- September 2018 Update last draft Internal Scientific Advisory Board
- October 2018 draft discussion <u>Campus Strategic Table</u>
- October 2018 draft discussion <u>Delegate Commission</u>
- December 2018 Strategic Plan approval Board of Trustees



Strategic Line 1. **Encourage internal** synergies and external alliances to improve research



- 1.1. Consolidate Research Programs
- 1.2. Create novel Research Programs / Actions
- 1.3. Encourage internal synergies
- 1.4 Foster external alliances

# SL1. Encourage internal synergies and external alliances

### **OO 1.1. Consolidate Research Programs**

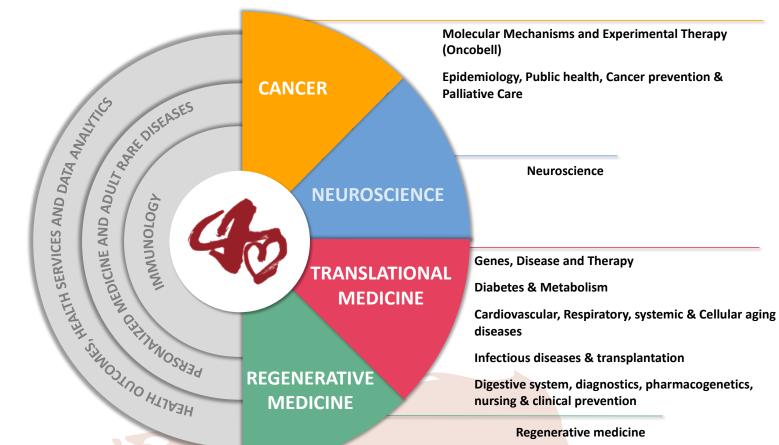
- Foster Program Coordinators to adopt a more active role in coordination with the Scientific Direction
  - Internal Open Calls seeking highly committed Program Coordinators, who will be granted a structural budget to develop and implement the Action Plan of the Program
- Revise the organization of the Translational Medicine Area (linked to 1.2)
- Complete the evaluation of all research groups (linked to 12.2)

# SL1. Encourage internal synergies and external alliances

#### **OO 1.2. Create novel Transversal Research Actions**

- Define the Model of Transversal Research Actions
- Define which thematic areas should be boosted
  - Immunology
  - Personalized Medicine & Rare Adult Diseases (linked to SL4)
  - Health Outcomes, Health Services Research & Data Science
  - Others

SL1



# SL1. Encourage internal synergies and external alliances

#### **OO 1.3. Encourage internal synergies**

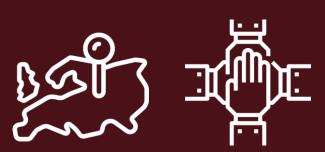
- Encourage the alignment of the research and innovation strategies of all the partners of the Bellvitge Campus
- Keep organizing IDIBELL Retreats at least on a bi-annual basis
- Encourage the organization of Program Symposia (linked to 5.1 and 8.2)
- Foster multidisciplinary research: Internal calls led by IDIBELL Direction
- Identify and promote **flagship projects or strategic actions within Research Programs** (see 1.1 Research Program Coordination Calls)

# SL1. Encourage internal synergies and external alliances

#### **OO 1.4 Foster external alliances**

- Identify the leading research lines of relevant local partners: CSI, IDIAP,
   IMLCFC
- Encourage alliances with other Health-Care Providers, Biomedical Research Institutes, or National and International Platforms / Consortia linked to our main fields of expertise (linked to and 2.1)
- Encourage alliances with Industry and Financial sector

Strategic Line 2. New Research Area on Regenerative Medicine P-CMR[C]



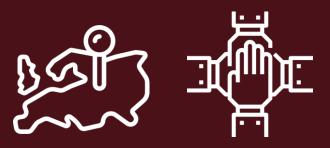
2.1. Define and implement a Roadmap to conclude the merging process of the CMR[B] within IDIBELL

# SL2. New Research Area on Regenerative Medicine - P-CMR[C]

OO 2.1. Define and implement a Roadmap to conclude the merging process of the CMR[B] within IDIBELL, that should:

- Guarantee the focus on Regenerative Medicine
- Define a structure including internal and associate groups, dedicated core facilities and the Cell line bank
  - Internal Call openings to recruit new Group leaders
  - To identify potential P-CMR[C] external research groups
- Define the structural support to the area
- Define the role, scope and assessment of the leadership

Strategic Line 3.
Encourage joint actions
with hospitals to promote
high-quality clinical
research



- 3.1 Improve the quality of our clinical research
- 3.2 Improve infrastructures devoted to clinical research
- 3.3 Optimization of clinical trial management as a tool to foster clinical research
- 3.4 Foster Investigator Initiated Trials (IITs), both industry-sponsored and independently-managed

### OO 3.1 Improve the quality of our clinical research

- Define an ad hoc strategy, in collaboration with Directors of Clinical
  Departments as well as Hospital related group leaders, for improving
  clinical research of quality, retaining existing talent and identifying the
  new one
- Further promote training on good clinical research practices (certification on good clinical practice)
- To evaluate the impact of the clinical trials activity on patient outcome and hospital economy

### OO 3.2 Improve infrastructures devoted to clinical research

- Collaborate with ICO and HUB/HV in the **development of infrastructures** devoted to **clinical research**, such as:
  - ICO: Phase I Clinical Trial Unit & Clinical Research Unit (UIC)
  - HUB/HV: Functional Unit for Clinical Research
- Set up a single point of contact for the management of Clinical Trials

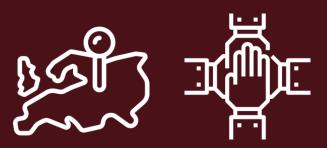
OO 3.3 Optimization of clinical trial management as a tool to foster clinical research. Metrics may include:

- Clinical trial contract signature time-lapse of 40 days
- Compilation of data from medical file to case report form in maximum 5 days
- Recruitment time as stated in the protocol
- Improve data collection reducing the number of queries
- Improve management of clinical trials follow-up
- Guarantee an accurate billing as well as follow-up of economical process.

OO 3.4 Foster Investigator Initiated Trials (IITs), both industry-sponsored and independently-managed

- Develop and implement a strategy to increase the number and quality of clinical trials promoted by researchers
- Create a solid structure for the management and development of these IITs (considering existing UICEC infrastructures)
- Try to guarantee that all clinical trials with added value stay in the organization

Strategic Line 4. Contribute to the deployment of a Personalized Medicine Strategy in the Campus



4.1 To define a strategy that positions the Bellvitge Campus as one of the leading hubs for Personalized Medicine in collaboration with the Healthcare sector

4.2 To deploy a Personalized Medicine Strategy

### SL4. Personalized Medicine Strategy

OO 4.1 To define a strategy that positions the Bellvitge Campus as one of the leading hubs for Personalized Medicine in collaboration with the Healthcare sector

- List key stakeholders regarding Personalized Medicine
- Define and implement a joint strategy including research and healthcare objectives regarding Personalized Medicine (e.g. biological sample policy, data management policy and return to patient policy)
- Identify funding sources to deploy the Personalized Medicine strategy

### SL4. Personalized Medicine Strategy

#### **OO 4.2 To deploy a Personalized Medicine Strategy** (linked to 1.2)

- Ensure biobanking capacity as well as access to biological samples to all IDIBELL users
- Facilitate advanced omics analyses preferably in coordination with reference platforms such as CNAG and BSC
- Deploy a New Bioinformatics Unit
- Foster compliance requirements for adequate clinical, biological, and environmental data management
- To launch the Personalized Medicine and Adult Rare Diseases Research Program

22

### Research-related actions: timeline

2018		2019	2020	2021	2022
Research Prog	grams				
Regenerative Medicine Area – PMR[C]					
Open Calls for Research Program Coordinators					
Transversal F	Research	Programs / Actions			
		Immunology			
Personalized Medicine and Adult Rare Diseases					
		Healt	h Outcomes, Health Serv	ices Research & Data Ana	lytics
Internal Syn	ergies				
Internal calls for multidisciplinary research					
Research Su	ipport				
Clinical Resear	rch				

# Strategic Line 5. Increase the internationalization of IDIBELL



5.2. Increase IDIBELL participation in networks, funding and collaborations at international level

5.3 Encourage the recruitment of international candidates



### SL5. Increase Internationalization

### OO 5.1 Increase IDIBELL's recognition at a European level

- Ensure that all IDIBELL Strategic lines are internationally-oriented
- Foster specific actions to reinforce IDIBELL's recognition and visibility
  - Boost participation of international speakers in IDIBELL Seminars
  - Encourage the organization of international scientific meetings
    within the Campus (e.g. Program Symposia linked to 1.3, and linked
    to 8.2)
  - Define a communications strategy to increase IDIBELL notoriety
- Take advantage of CERCA Programme, ISCiii and HRS4R umbrella to boost IDIBELL into international scenario

### SL5. Increase Internationalization

## OO 5.2. Increase IDIBELL's participation in networks, funding and collaborations at international level

- Foster the participation of European networks and consortia (public&private)
  - Increase the number of granted European and non-European projects
  - Increase leadership in European projects
- Establish fruitful international alliances with institutions and industry (e.g. EATRIS)
- Set up a mentoring committee to help other researchers approach international projects
- To evaluate the management and administration performance to promote internationalization and fine-tune the strategy developed so far

### SL5. Increase Internationalization

### OO 5.3 Encourage the recruitment of international candidates

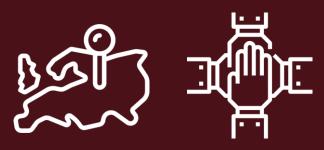
- Increase the number of R1 and R2 international recruits
- Increase the number of leadership positions (R3-R4) covered by international candidates (linked to SL12)
- Encourage the acceptance of visiting scientists
- Set up a welcome procedure for international people (linked to 9.2)
- Use English in all official communications and day-to-day life

Strategic Line 6.
Foster innovation
to improve our impact
on citizens' health



**6.2 Foster new business opportunities** 

6.3 Reinforce the role of the Institute promoting Innovation



# SL6. Foster innovation to improve our impact on citizens' health

#### **OO 6.1 Improve innovation culture**

- Promote a shared innovation strategy within the campus (linked to SL7)
- Further promote innovation training to all IDIBELL stakeholders
- Increase Innovation recognition in the research career
  - Consider an innovation focus on prioritization processes as well as evaluation and promotion procedures
- Improve the communication of innovation achievements

# SL6. Foster innovation to improve our impact on citizens' health

### OO 6.2 Foster new business opportunities

- Deploy, together with BIOCAT and other relevant partners, the project portfolio strategy of the Business Development and Innovation Area aimed at:
  - Identifying and valorizing business opportunities in every research stage
  - Identifying IDIBELL' assets (e.g. scientific services) that could be commercialized
- Foster collaborative projects with the industry at the early stages of research
- Attract investment for the acceleration of research projects

# SL6. Foster innovation to improve our impact on citizens' health

OO 6.3 Reinforce the role of the Institute promoting Innovation

- Set up an Industry Advisory Committee
- Review IDIBELL Intellectual Property regulations
- Increase the number of public-private actions to reinforce innovation
- Further clarify the role of IDIBELL in the very early phases of spin-offs regarding use of office and lab spaces
- Analyze the opportunity to create a new (IDIBELL-independent) vehicle for accelerating the path to the market (linked to SL7)
- Lobby governmental institutions to promote legal changes within the innovation environment

# Strategic Line 7. Promote the deployment of the Health Micro-Cluster

7.1. Design the Health Micro-Cluster

7.2. Deploy the Health Micro-Cluster strategy



# SL7. Promote the deployment of the Health Micro-Cluster

### **OO 7.1.** Design the Health Micro-Cluster

- Join forces with L'Hospitalet City Council to develop the Health Micro-Cluster Master Plan that should include, among others: Governing bodies, Executive Committee and Strategic plan (Action Plan + Urban planning + Funding mechanisms)
- Actively participate in the definition of the brand of the Health Micro-Cluster
- Take advantage of the Micro-Cluster to gain notoriety as a Health Campus
- Promote attraction of new audiences/private partners to the Micro-Cluster

# SL7. Promote the deployment of the Health Micro-Cluster

### OO 7.2. Deploy the Health Micro-Cluster strategy

- Develop actions to promote the activities or opportunities within the Micro-Cluster focusing on Health research assets
- Develop together with L'Hospitalet City Council new incentive-tools to attract industry

Strategic Line 8.
Improve visibility of the research conducted in the Bellvitge campus

8.1 Define a common communications strategy within the Bellvitge Campus

8.2 Improve IDIBELL recognition



# SL8. Improve visibility of the Research conducted in the Bellvitge Campus

## OO 8.1 Define a common communications strategy within the Bellvitge Campus

- To define and implement a shared communications strategy for the Campus
- To further improve the collaboration among Communication teams within the Campus

# SL8. Improve visibility of the Research conducted in the Bellvitge Campus

#### **OO 8.2 Improve IDIBELL recognition**

- Achieve 100% of papers in which IDIBELL appears as such in the affiliation
- Improve the acknowledgments of institutional funding agents (CERCA, ISCiii, others) in IDIBELL papers
- Define a system to proactively detect new TOP scientific achievements
- Define a communication strategy to increase IDIBELL notoriety
- Deploy the new IDIBELL website
- Celebrate IDIBELL's 15<sup>th</sup>anniversary
- Achieve institutional involvement on IDIBELL seminars (linked to 3.1)

# SL8. Improve visibility of the Research conducted in the Bellvitge Campus

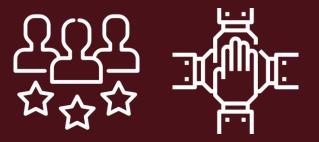
#### **OO 8.2 Improve IDIBELL recognition**

- Encourage the **organization of international scientific meetings within the Campus** (i.e. Program Symposia linked to 1.3, and linked to 3.1)
- Improve marketing of IDIBELL scientific achievements: increase impact on general media, incorporate new formats, others
- Consolidate IDIBELL social networks (Tw and Fb) and improve results on others (YT, Lk, etc.)
- Include IDIBELL in the Wikipedia (Catalan, Spanish and English languages)

# Strategic Line 9. Build the IDIBELL community



9.2 Deployment of the Internal communication strategy



### SL9. Build the IDIBELL Community

#### **OO 9.1 Define the internal communication strategy**

- Set up an advisory internal communication group
- Define the internal communication strategy

### SL9. Build the IDIBELL Community

### OO 9.2 Deployment of the Internal communication strategy

- Deploy the new Corporate brand within IDIBELL's internal actions
- Review and improvement of internal communication channels
- Develop and manage a new intranet
- Review and improve internal procedures related with people (welcome procedure, adscription procedure, etc.)
- Create the Staff Handbook (WIKI IDIBELL)
- Organize internal and participation events, among others: IDIBELL PhD Day, Director's report, etc.

Strategic Line 10. Implement a Responsible Research & Innovation Strategy (RRI)



**10.1 Focus on Public Engagement actions** 

**10.2 Focus on Science Education Program** 

10.3 Open Research

**10.4 Data Management Planning** 

10.5 Raise awareness on Research Ethics

**10.6 Foster equality** 

### SL10. Implement a RRI Strategy

### **OO 10.1 Focus on Public Engagement actions**

- Position IDIBELL as a center committed to the dissemination of science by producing innovative formats
- Deploy the Outreach Project Portfolio to be offered to IDIBELL researchers who need to accomplish funding requirements
- Open IDIBELL facilities to society
- Identify and carry out a science citizen project
- Set up effective participation channels with patient associations

### SL10. Implement a RRI Strategy

#### **OO 10.2 Focus on Science Education Program**

- Consolidate the Student visits program (Escolab and Educational Tandem)
- Define and implement a specific program for "Treballs de Recerca"
- Define and implement the teachers program

#### OO 10.3 Open Access

Deploy the open access green route for publications

### **OO 10.4 Data Management Planning**

- Define and implement an Open Scientific Data Management Policy in accordance to the FAIR principles (linked to SL4)
- Define and implement an (electronic) laboratory notebook Policy

### SL10. Implement a RRI Strategy

#### OO 10.5 Raise awareness on Research Ethics

- Update the IDIBELL good research practices guideline
- Improve communication on good research practices

### **OO 10.6 Foster equality**

- To proactively develop internal policies promoting equality, through the Equality Commission
- Encourage the organization of events related to equality
- Review gender-balance on internal committees, commissions and other working groups or events (linked to 14.1)

Strategic Line 11. Design a comprehensive model for IDIBELL people management



11.1 Ensure fulfillment of HRS4R standards

11.2 Implement the Model of Professional development of IDIBELL People to attract and retain talent

# SL11. Design a comprehensive model for IDIBELL people management

#### OO 11.1 Ensure fulfillment of HRS4R standards

- Review and adjust the IDIBELL HRS4R action plan following recommendations of the last EU evaluation
- Review and implement the recruitment procedure by securing OTM-R policies
- Improve HR data management (DB implementation; e-adscription procedure implementation; etc.)
- Together with the work council to define a new collective agreement

# SL11. Design a comprehensive model for IDIBELL people management

OO 11.2 Implement the Model of Professional development of IDIBELL People to attract and retain talent

- Deploy the model of professional development for researchers (R) (linked to 13.2)
- Define and deploy the model of professional development for scientific support (SC) and management support (MS)
- Define and deploy **personnel head count policies**
- Define and deploy a comprehensive Training program (Areté Program)
- Define a system system to track personnel dedication to research projects

Strategic Line 12.
Attract talented junior researchers in health sciences

12.1 Attract talented PhD Students

12.2 Support the recruitment of talented postdoctoral researchers



# SL12. Attract talented junior researchers in health sciences

#### **OO 12.1 Attract talented PhD Students**

- Define a strategy (together with UB) aimed at capturing talented PhD students including the early engagement in research groups for bachelor and master students
- Progressively launch a new internal program for PhD student fellowships (linked to 1.3)
- Build up a follow-up system for PhD students aimed at guaranteeing IDIBELL
   PhD students' standards under the umbrella of IDIBELL-UB Masters.
- Define and implement a (MD) PhD training program (linked to 10.2)
- Foster the IDIBELL PhD Day

### SL12. Attract talented junior researchers in health sciences

### OO 12.2 Support the recruitment of talented postdoctoral researchers

- Establish a post-doctoral training program aimed at improving soft and hard skills key to professional development of R2 (linked to 11.2)
- Define transparent criteria to allow post-doctoral researchers to apply for research projects as PIs, while limiting the duration of the post-doctoral stage at IDIBELL to 5 years

# Strategic Line 13. Attract and retain Senior Researchers



13.2 Consolidate high quality Tenure

**13.3 Recognize Non-IDIBELL** payroll Researchers



### SL13. Attract and retain Senior Researchers

#### **OO 13.1 Strengthen Tenure-track researchers**

- Define a recruitment strategy considering scientific priorities, budget issues and competitiveness of the candidates
- Improve and expand the scope of the mentoring program in coordination with the UB (Miguel Servet, Ramon y Cajal)
- Define and deploy of a recruitment strategy for young clinical researchers (e.g. Juan Rodés) with ICO and HUB/HV

### SL13. Attract and retain Senior Researchers

### **OO 13.2 Consolidate high quality Tenure researchers**

- Evaluate every tenure researcher to adequately assign him/her a research profiles' descriptor (R3, R4) (linked to 11.2)
- To provide Tenure researchers with soft-skills training

# SL13. Attract and retetain Senior Researchers

### **OO 13.3 Recognize Non-IDIBELL payroll Researchers**

- Boost clinical research research (linked to 3.2) together with ICO and HUB/HV through actions such as:
  - **Intensification** strategy for research-oriented clinicians
  - Lobby to take into account (clinical) research background in the search of new Directors of Clinical Services
  - Regular assessment of the degree and quality of clinical research
- Define and deploy a compensation model for non-IDIBELL payroll researchers

Strategic Line 14. Ensure an efficient and transparent researcher-oriented organization



**14.1 Build a Transparent organization** 

**14.2 Build an efficient organization** 

# SL14. Ensure an efficient and transparent researcher-oriented organization

### **OO 14.1 Build a Transparent organization**

- Review and update master agreements with all IDIBELL partners
- Define the rights and obligations of IDIBELL affiliates and perform an adscription campaign to improve IDIBELL census
- Deploy group evaluation procedure to assess research quality and homogenize structural funds' distribution
- Consolidate IDIBELL Overheads' Policy
- Review the rules and regulations of committees and commissions (linked 10.5)
- Implement an effective corporate communications strategy (linked to SL9)

# SL14. Ensure an efficient and transparent researcher-oriented organization

#### **OO 14.2 Build an efficient organization**

- Deploy the new IDIBELL Organization chart
- Define and implement annual budgets to be allocated in Research
   Programs, Scientific Platforms and Management Support
- Reduce devolution of funds due to non-executed projects and/or noncorrectly justified projects
- Define and implement a balance scorecard strategy

# Strategic Line 15. Build an enabling environment for research



15.2 Define and implement a transparent policy on the use and distribution of square footage and basic support

15.3 Guarantee high-quality and researcher-oriented management support



### OO 15.1 Guarantee high-quality scientific and technical core facilities

- Establish an IDIBELL policy for the creation and operation of core facilities
- Define and implement an investment plan for replacement and update of scientific and technical units
- Create a technical advisory committee
- Develop a training plan offered by the scientific and technical units personnel aimed at IDIBELL users
- Establish external alliances to guarantee access (at competitive prices) to those scientific and technical services not offered by IDIBELL

OO 15.2 Define and implement a transparent policy on the use and distribution of square footage and basic support

- Improve coordination with ICO, HUB and UB regarding areas dedicated to research
- Define a policy for lab and office space use and distribution
- Define the basic lab equipment (common services) and IT support (software and hardware) to be paid for and maintained by IDIBELL

OO 15.3 Guarantee high-quality and researcher-oriented management support

- Review and fine-tune the process map for global project management improvement (value chain)
- Define and deploy software tools to improve management efficiency (linked to 14.3)
- Leverage (internal and external) partners' infrastructures to optimize our services (e.g. risk prevention, project managers within groups, research support infrastructures, IT servers, purchasing departments, GDPR, etc.)<sub>62</sub>

### OO 15.3 Guarantee high-quality and research oriented management support

- Foster the search of competitive funds within management
   Departments/Units to increase its competitiveness (linked to 16.1)
- Lobby with governmental agencies (e.g. legal changes related to VAT, public procurement, personnel headcount, etc.)

# Strategic Line 16. Increase our sources of funding

16.1 Increase competitive and non-competitive funding

16.2 Foster new sources of funding



### SL16. Increase our sources of funding

### OO 16.1 Increase competitive and non-competitive funding

- Improve success ratio for competitive research calls
- Increase the number of competitive funds for management/technical departments/units (linked to 15.2)
- Increase the number of pivotal and early stage Clinical Trials (linked to SL3)
- Develop new business models based on our knowledge and services.
- Lobby with funding agencies and employer organizations to increase
   IDIBELL participation in projects and business opportunities

### SL16. Increase our sources of funding

#### **OO 16.2 Foster new sources of funding**

- Define and implement a philanthropy strategy
  - Foster institutional campaigns aimed at raising research funds
  - Increase IDIBELL's public recognition to attract private donors
- Lobby with patient associations
- Lobby with charities devoted to funding research

### Budget PE 2018-22: new actions

	2017	2018	2019	2020	2021	2022
<b>Program Coordination</b>	0	0	150	300	400	500
New recruitments	0	0	35	70	105	105
Internal projects	0	0	50	100	150	150
Platform vouchers	0	0	30	60	90	90
Subtotal	0	0	265	530	745	845

### Budget PE 2018-22

	2017	2018	2019	2020	2021	2022
Support to groups	3.500	3.600	3.300	3.000	2.400	2.500
Personalized Medicine Program	0	0	50	50	80	100
Clinical Research Platform	330	482	556	600	650	650
Other core facilities	336	461	396	415	437	458
Management	2.000	2.100	2.100	2.100	2.100	2.100
TOTAL	9.500	9.900	10.100	10.200	9.900	10.100

1T 2019

### Quick wins PE 18-22

3T 2018

#### **SL5 / SL8**

Launching of the new IDIBELL Seminars' Program

**SL1** Internal Call for Research Program Coordination

**SL4** Inauguration of the New Bioinformatic Unit

SL2 P-CMR[C] official presentation

SL11 HRS4R Action plan update

Areté Program (Training Plan)

**SL15** Public contest procurement for the Projects' software tool

**SL16** 1st IDIBELL fundraising campaign (Oncobell)

3T 2019

4 Biological sample, data management and return to patient policies

SL10 Opening of the IDIBELL facilities to the society

Health Micro-Cluster Master Plan (L'H City Council)

SL2 Incorporation of New group (internal recruitments) of the P-CMR[C]

**SL14** New IDIBELL Organization Chart presentation

SL1 Internal Call for Multidisciplinary Research Projects

SL6 Inauguration of the Industry Advisory Committee

**SL8** Inauguration of IDIBELL 15 years

SL13 Deployment of the Model of Professional Development for [R]
Strategy for intensifications & compensation

model for non-IDIBELL payroll

SL2 Integration of the CMR[B] at IDIBELL

SL3 Optimization of Trial's metrics: contract signature time lapse to 40d

SL14 Evaluation of all the research groups at IDIBELL

4T 2018

2T 2019

4T 2019

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