



**Barcelona Institute of  
Science and Technology**

# **Excellent science to build a better world**

**Gabby Silberman, BIST Director General**

**ICN2 Workshop on Research, Strategy, and Innovation**

October 4, 2018 - Hotel Rey Don Jaime Castelldefels





## PEOPLE

**2,327** BIST  
COMMUNITY

**523**  
Postdoctoral  
Researchers

**598**  
PhD Students

**166**  
Principal  
Investigators (PI)

**41%**  
International

**43%**  
Women

**7 PEOPLE**  
BIST CORE TEAM

\* Based on 2017 data





**BIST**

Barcelona Institute of  
Science and Technology

**TOOLS...**





**BIST**

Barcelona Institute of  
Science and Technology

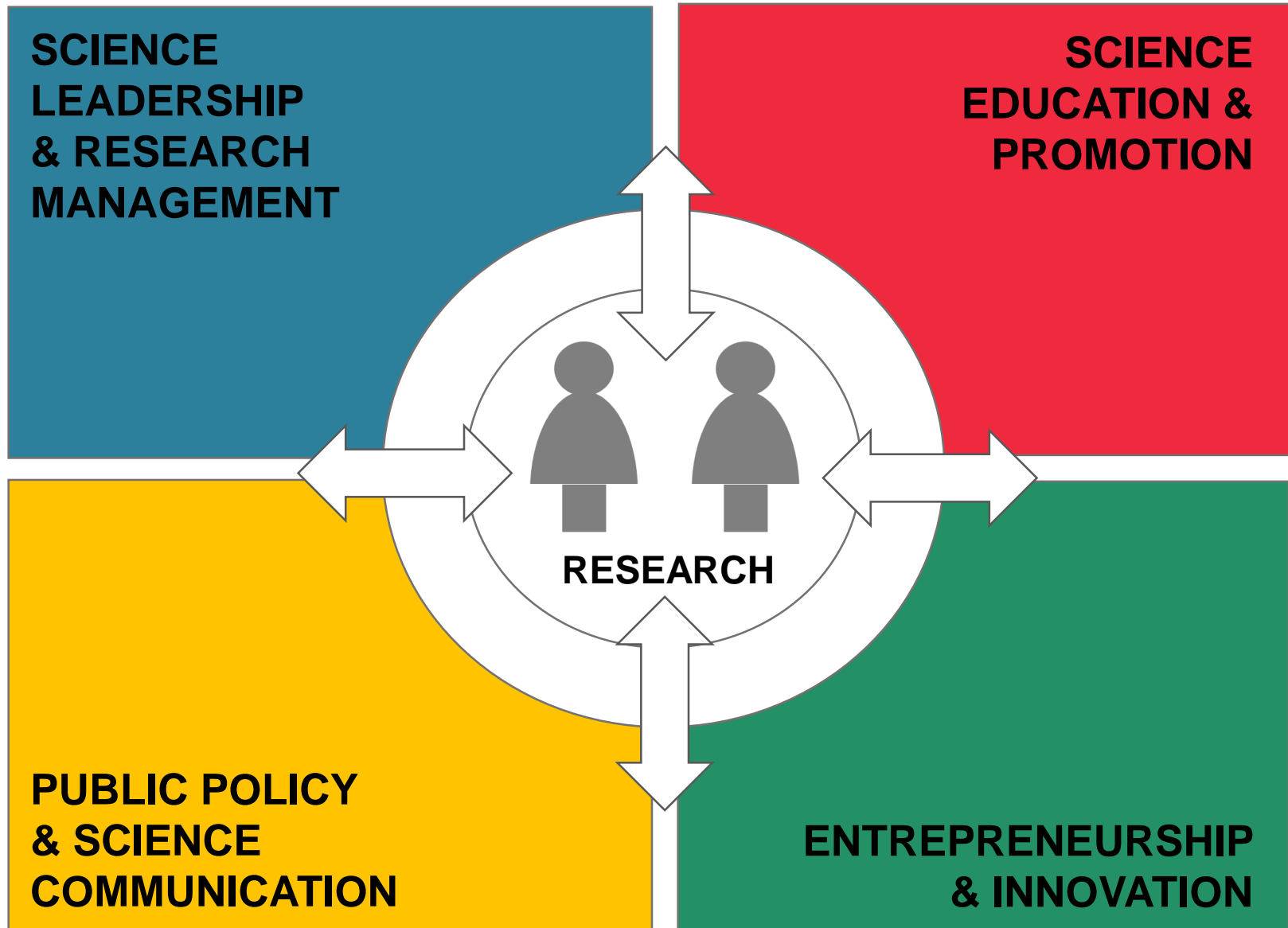
**TOOLS...**



**...TO CHANGE  
THE WORLD**

# **BIST Highlight Projects**





## Ignite Programme

- Promotes multidisciplinary collaborative research between BIST centres
- 13 projects awarded (seed phase 2017 and 2018)
- 3 projects awarded in 2017 second phase
- over 500,000 € invested
- Relevant media impact
- <http://bist.eu/ignite/>

### A retinal implant developed by BIST researchers could restore the vision of millions of people

- A project to develop a new retinal prosthesis (THEIA) has won the second phase of the BIST Ignite Program, along with a project to map genes (GenStorm), and a project to characterize new catalysts that allow separation of oxygen and hydrogen from water (InWOC).
- The new graphene-based implant will aim to address the visual degeneration caused by diseases such as retinitis pigmentosa, a condition that affects one out of every 3,700 people worldwide.



**Barcelona Institute of Science and Technology**

[bist.eu/ignite](http://bist.eu/ignite)

# Ignite your collaborative research!

**2nd edition now open**

Start new collaborations within BIST

Find a novel multidisciplinary approach to a new or unsolved question

**Deadline Monday January 15, 2018**

BIST centers:









Member institutions of the Board:

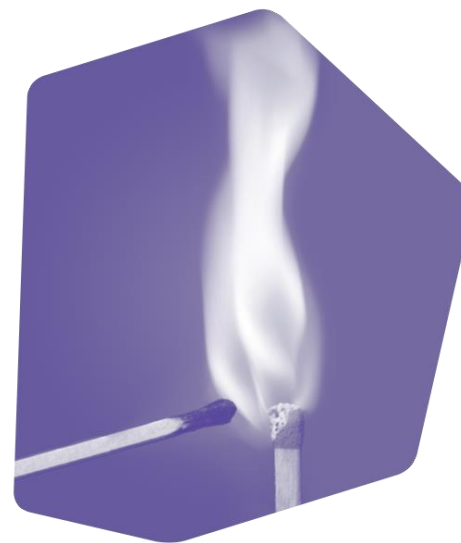
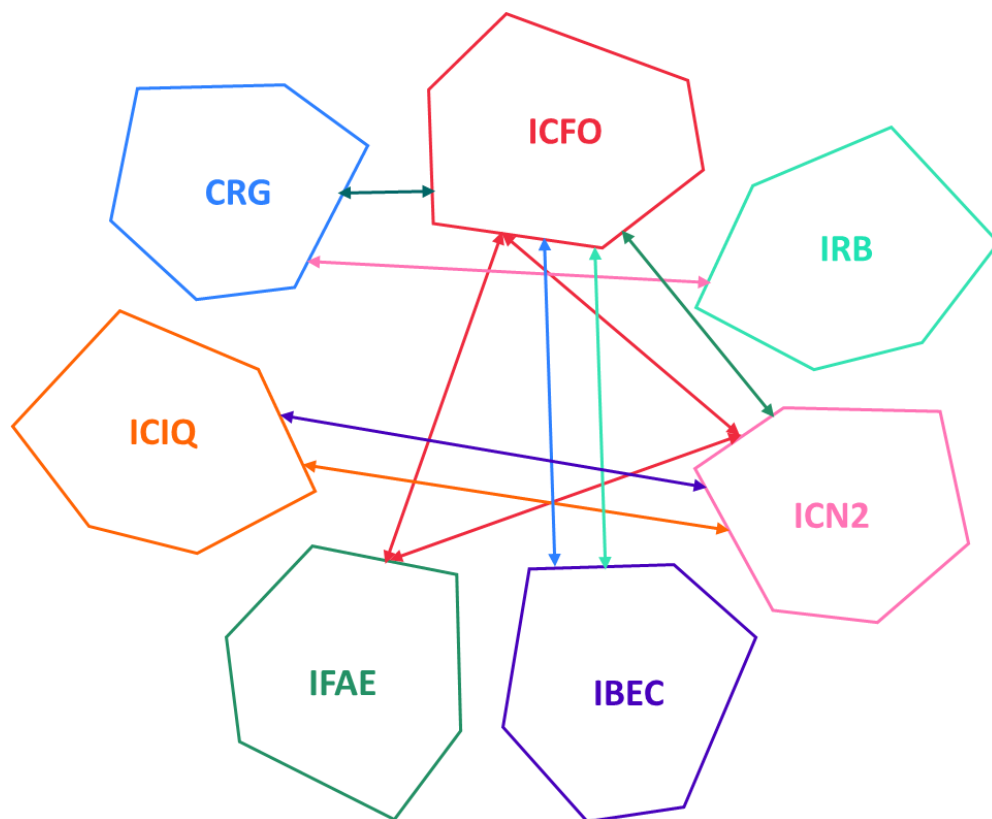









# Ignite Programme: ongoing projects



THEIA  
INWOC  
GENSTORM  
CALIX4TRANS  
ETANGO  
NIRGRAPH  
OXIFLOWPAS  
ZPRO  
  
2DNANOHEAT  
ENGUT  
PHASE-CHROM  
Q-SPET  
SOLHYCAT



**Barcelona Institute of  
Science and Technology**