

A Snapshot of R&D in Ireland

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Science Foundation Ireland





Nanotechnology Summer School

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SFI - A Few Facts and Figures



Year of establishment: 2000

Funded through Department of Jobs, Enterprise and Innovation

• Sister agencies; IDA Ireland, Enterprise Ireland, FORFAS

- SFI Research remit:
 - Life Sciences
 - Information Communication and Emergent Technologies
 - Sustainable Energy and Energy Efficient Technologies

Number of Employees: 50

Annual Budget: €161 m (2011)

• Support > 3,400 researchers directly; 1250 PhD candidates; 750 Post-docs

4 Key Development Objectives





Develop Human Capital

Create enterprise



Mission
To build and strengthen scientific & engineering research & its infrastructure in the areas of greatest strategic value to Ireland's long-term competitiveness &

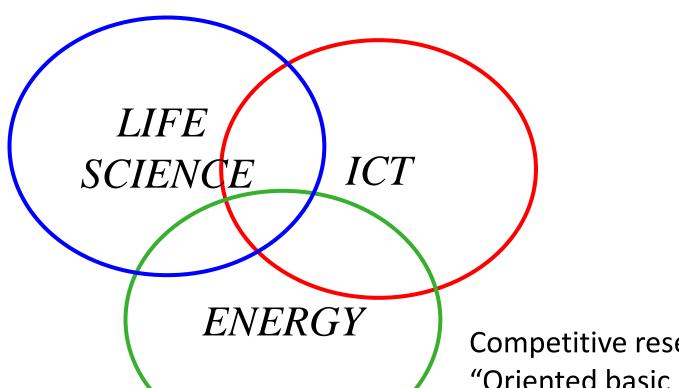
development

Quality Output

Focus on Excellence

Global Reputation

Global Integration and Partnerships

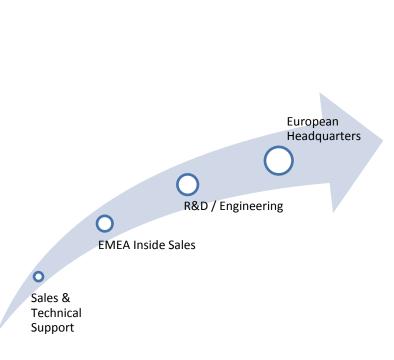




Competitive research proposals
"Oriented basic research"
Quality/Excellence –
International Peer Review
ONLY

Sample Technology Companies

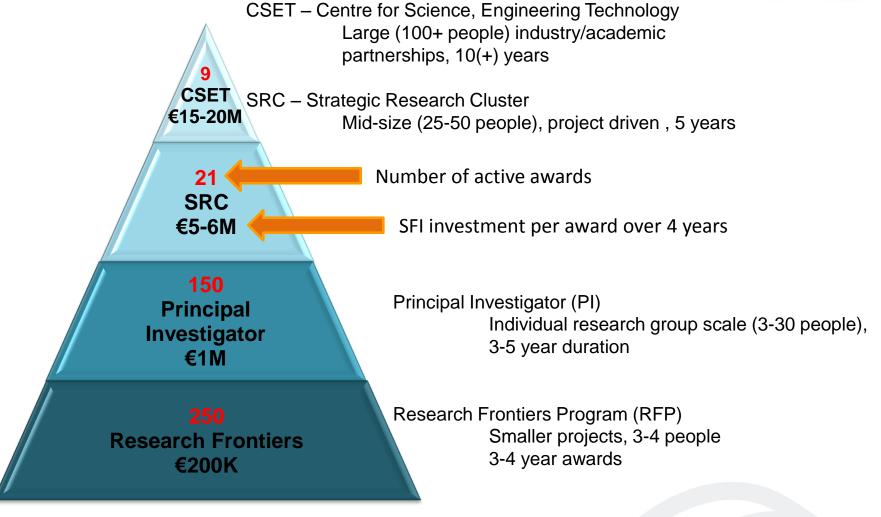






All SFI programmes feed into key objectives S





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9 SFI CSET Centers for Science, Engineering, Technology

SBI	Systems Biology Ireland
APC Alimentary Pharmableic Centre Interacing Food and Medicine	Alimentary Pharmabiotic Centre, UCC
bodi biomedical diagnostics institute	Biomedical Diagnostics Institute, DCU
DERI	Digital Enterprise Research Institute, NUIG
TOTO WARRANT WARRANT COLORS TO	Lero, The Irish Software Engineering Research Centre, UL
((COGLe Centre for Next Generation Localisation	Centre for Next Generation Localisation, DCU
CLARITY	CLARITY, UCD
CRANN	Centre for Research on Adaptive Nanostructures and
	Nanodevices, TCD
₩ctvr	Centre for Telecommunications Value-Chain Research, TCD

Over 200 companies are now collaborating with academia through SFI programmes



CSETs	MNC Engagement
Alimentary Pharmabiotic Centre (UCC)	gsk GlaxoSmithKline
Digital Enterprise Research institute (NUIG)	ERICSSON S TAKING YOU FORWARD AVAYA CISCO
Centre for Research on Adaptive Nanostructure & Nanodevice (TCD)	Scientific OLYMPUS
Centre for Telecommunications Value Chain Driven Research (TCD)	Alcatel·Lucent
Lero – Irish Software Engineering Research Centre (UL)	SIEMENS IRM Fidelity
Biomedical Diagnostic Institute (DCU)	(Hospira)
Next generation Localisation (DCU)	DNP symantec. TEM Microsoft
CLARITY (UCD)	IEW DISNEY amdocs
System Biology Ireland (UCD & NUIG)	Agilent Technologies * SIEMENS



Key Research Centres

Tyndall Institute (UCC)
National Centre for ICT
Hardware Research

CRANN (TCD)
Centre for Research in
Adaptive Nanostructures
and Nanodevices





www.tyndall.ie

www.crann.tcd.ie

Opportunities for R&D employment and collaboration



- Post-doc and entry level Principal Investigator positions available
- Research centre research centre direct links
- Sabbatical into Ireland: SFI Walton Visiting Researcher Award (3-12 months)
- Irish researcher outbound collaboration : SFI Short Term Travel Fellowships (STTF)
- Collaboration opportunities through the Framework programme of the EU