

Area	Title	Research Body	Original Institution	Research programme	Period (Years)	Euro Amount approved
<b>SFI Centres for Science, Engineering and Technology</b>						
ICT	Prof John B. Pethica	Trinity College Dublin	University of Oxford, UK	Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)	5	€10,000,000
BioT	Prof Timothy O'Brien	NUI Galway	NUI Galway	Regenerative Medicine Institute (REMEDI)	5	€14,998,960
<b>SFI Fellows – Research Professorships</b>						
ICT	Prof Alexander Stewart-Fotheringham	NUI Maynooth	University of Newcastle	The management and understanding of extremely large amounts of data is one of the largest challenges facing scientists in particular, but also the general society at large. Prof. Fotheringham will focus on the area of spatial data which will be useful in many areas such as population studies, mobile telephone distribution, traffic flow patterns etc.	5	€2,499,578
BioT	Prof J. Oliver Dolly	Dublin City University	Imperial College of Science, Technology & Medicine, London	Professor Dolly proposes to develop novel therapeutic drugs which will act upon nerve cells affected by neurological diseases. Additional studies will examine potential therapies for the treatment of chronic pain and disorders of the involuntary nervous system.	5	€2,839,551
BioT	Prof Daniel Geraghty	NUI Maynooth	Fred Hutchinson Cancer Research Centre, Seattle	Prof. Geraghty will study the role of the immune system during pregnancy to identify health factors which affect the healthy birth of children.	5	€3,242,951
<b>SFI Investigator Clusters</b>						
ICT	Prof. Douglas J. Leith	NUI Maynooth	NUI Maynooth (Formerly at the University of Strathclyde, UK)	<b>National Communications Network Research Centre.</b> This investigator research cluster will pursue research into measurement based resource allocation in wireless LANs. The cluster aims to develop the quality of service algorithms needed to support voice and multimedia traffic in next generation wireless hot-spots.	4	€4,669,671

Area	Title	Research Body	Original Institution	Research programme	Period (Years)	Euro Amount approved
ICT	Prof John Lewis	Dublin Institute of Technology	Dublin Institute for Advanced Studies	National Communications Network Research Centre (See above)	4	
ICT	Prof John Nelson	University of Limerick	University of Limerick	National Communications Network Research Centre (See above)	4	
ICT	Dr John Morrison	University College Cork	University College Cork	<b>WebCom-G: Grid Middleware to Hide the Grid</b> — The Grid is a distributed environment of resources, computers, storage or visualization devices etc, all connected by high speed networks. It holds the promise of providing a new paradigm for computational science. The WebCom-G investigator cluster is working to provide a model that will result in software that makes the architecture of the Grid transparent to application developers and end users.	4	€1,539,586
ICT	Dr Andrew Shearer	NUI Galway	NUI Galway		4	€1,539,586
ICT	Dr Brian Coughlan	Trinity College Dublin	Trinity College Dublin		4	€1,519,189
BioT	Prof Ciaran Regan	University College Dublin	University College Dublin	<b>Irish Centre for Applied Neurotherapeutics</b> — This investigator cluster intends to identify unique brain mechanisms amenable to the development of new and more effective drugs for the treatment of mental illness.	4	€7,674,274
BioT	Prof Peter Humphries	Trinity College Dublin	Trinity College Dublin	Irish Centre for Applied Neurotherapeutics (See above)	4	
BioT	Dr. Keith Murphy	University College Dublin	University College Dublin	Irish Centre for Applied Neurotherapeutics. (See above)	4	
BioT	Dr William O'Connor	University College Dublin	University College Dublin	Irish Centre for Applied Neurotherapeutics. (See above)	4	
<b>SFI Investigators</b>						
BioT	Prof Timothy J. Foster	Trinity College Dublin	Trinity College Dublin	Prof. Foster will examine the highly antibiotic-resistant bacterium, Staphylococcus aureus, in order to understand how it causes disease and to contribute to development of vaccines and new treatments.	4	€905,619

<b>Area</b>	<b>Title</b>	<b>Research Body</b>	<b>Original Institution</b>	<b>Research programme</b>	<b>Period (Years)</b>	<b>Euro Amount approved</b>
BioT	Prof Gregory Atkins	Trinity College Dublin	Trinity College Dublin	Prof. Atkins will develop new approaches for generating vaccines.	4	€694,073
BioT	Prof Martin Clynes	Dublin City University	Dublin City University	The biotechnology revolution is generating a wide array of new life-saving biopharmaceutical products produced by mammalian cells in culture, but many of them are very costly due to high development and production costs. Reducing these costs is a high priority for human welfare. Professor Clynes, will apply the latest gene expression and protein profiling techniques to develop methods for more rapid development and cheaper production systems for such products.	4	€3,990,000
BioT	Dr Marina Lynch	Trinity College Dublin	Trinity College Dublin	Dr Lynch will investigate whether anti-inflammatory treatments protect the brain from the changes which accompany ageing or neurodegeneration.	4	€951,027
BioT	Dr Bernard Allan	University College Dublin	Metabolex (American Biotechnology company)	Individuals suffering from insulin resistance are unable to respond adequately to insulin to clear glucose from the blood. This may lead to health complications and, in some cases may lead to the development of type II diabetes. Dr. Allan will examine the genetic basis of this condition with the long-term goal of identifying targets for anti-diabetic therapies.	4	€999,734
ICT	Nanotechnology Research Facility	Trinity College Dublin	N/A	Nanotechnology Research Facility.	1	€11,000,000

Total €69 Million