

First funding period: 2001 - 2005

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Nanoscale dielectrics and mesoscopic properties of superconductors	Büttiker	Markus	Département de Physique Théorique	Université de Genève
Individual Research Projects	Superconducting and magnetic properties of complex oxides	Fischer	Oystein	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Thermodynamics and critical currents in superconducting tapes and wires for industrial applications	Flükiger	René	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Specific heat and thermal conductivity of novel materials in thin film and crystalline form, in high magnetic fields and at high pressure	Junod	Alain	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Ferroelectric based superlattices and nanoscale dielectrics	Triscone	Jean-Marc	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Superconductivity on the micro, meso-, and macroscopic scale	Blatter	Gianni	Institut für Theoretische Physik	ETH Hönggerberg
Individual Research Projects	Synthesis of magnetic and conducting nanoscopic particles as well as their organization into functional arrays	Nesper	Reinhard	Laboratorium für Anorganische Chemie	ETH Hönggerberg
Individual Research Projects	Influence of externally controlled parameters on the properties of metals with strong electron interactions	Ott	Hans-Rudolf	Laboratorium für Festkörperphysik	ETH Hönggerberg
Individual Research Projects	Theoretical modelling of materials with novel electronic properties	Sigrist	Manfred	Institut für Theoretische Physik	ETH Hönggerberg
Individual Research Projects	Study of the superconductor-insulator transition of underdoped cuprates	Martinoli	Piero	Institut de Physique	Université de Neuchâtel

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Electronic transport in novel materials	Forro	Laszlo	Institut de Génie Atomique	EPF Lausanne
Individual Research Projects	High-resolution photoemission of high-temperature superconductors and other low-dimensional correlated systems	Margaritondo	Giorgio	Laboratoire de Physique des Matériaux Electroniques	EPF Lausanne
Individual Research Projects	Probing microscopic magnetic properties of novel superconducting and magnetic materials with low-energy muons	Keller	Hugo	Institut für Physik	Universität Zürich
Individual Research Projects	Geometrical and electronic structure at and near surfaces of materials with novel electronic properties	Aebi	Philipp	Institut de Physique	Université de Neuchâtel
Individual Research Projects	Carbon nanostructures and the role of hydrogen for novel electronic materials	Schlapbach	Louis	Materialprüfungs-und Forschungsanstalt	EMPA Dübendorf
Individual Research Projects	Isotope and pressure effects in high-temperature superconductors	Furrer	Albert	Laboratorium für Neutronenstreuung	ETH Zürich
Individual Research Projects	Electronic properties of lowdimensional materials and dimensional crossover	Giamarchi	Thierry	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Fundamental excitations of strongly correlated matter	Van Der Marel	Dirk	Département de Physique de la Matière Condensée	Université de Genève

Second funding period: 2005 - 2009

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Strongly interacting electrons, low-dimensional and quantum fluctuation dominated systems	Sigrist	Manfred	Institut für Theoretische Physik	ETH Hönggerberg
Individual Research Projects	Superconductivity, unconventional mechanisms and novel materials	Van der Marel	Dirk	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Crystal growth	Forro	Laszlo	Institut de Génie Atomique	EPF Lausanne
Individual Research Projects	Novel materials	Hulliger	Jürg	Chemistry & Biochemistry	Universität Bern
Individual Research Projects	Thin films, artificial materials and novel devices	Triscone	Jean-Marc	Département de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Industrial applications and pre-application development	Fischer	Oystein	Département de Physique de la Matière Condensée	Université de Genève

Third funding period: 2009 - 2013

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Novel phenomena at interfaces and in superlattices	Triscone	Jean-Marc	Dép.de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Materials for future electronics	Morpurgo	Alberto	Dép.de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Electronic materials for energy systems and other applications	Fischer	Oystein	Dép.de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Electronic properties of oxide superconductors and related materials	van der Marel	Dirk	Dép.de Physique de la Matière Condensée	Université de Genève
Individual Research Projects	Surface treatments and thin films for micromachining electrodes	Sigrist	Manfred	Institut für Theoretische Physik	ETH-Hönggerberg
Individual Research Projects	Magnetism and competing interactions in bulk materials	Mila	Frédéric	Institut de Physique Théorique	EPF Lausanne
Individual Research Projects	Electronic materials with reduced dimensionality	Forro	Laszlo	Laboratoire de Nanostructures et Nouveaux Matériaux Electroniques	EPF Lausanne
Individual Research Projects	Cold atomic gases as novel quantum simulators for condensed matter	Giamarchi	Thierry	Dép.de Physique de la Matière Condensée	Université de Genève
Transfer projects: Strong Swiss franc	Epitaxial Piezoelectric MEMS Energy Harvester in a Watch System - WATCHERGY	Briand	Danick	Institut de Microtechnique	EPF Lausanne
Transfer projects: Strong Swiss franc	Surface treatments and thin films for micromachining electrodes	Cors	Jorge	Department of Condensed Matter Physics	Université de Genève
Transfer projects: Strong Swiss franc	Novel nanocomposite materials with low ecological impact for highcurrent contact applications	Giannini	Enrico	Dép.de Physique de la Matière Condensée	Université de Genève
Transfer projects: Strong Swiss franc	Neutron focusing within sample environment	Kenzelmann	Michel	Laboratory for Developments and Methods	PSI Villigen

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Transfer projects: Strong Swiss franc	Development of YBa ₂ Cu ₃ O _{7-x} superconducting test coils: the path towards allsuperconducting magnets above 23 .5 T	Senatore	Carmine	Dép.de Physique de la Matière Condensée	Université de Genève
Transfer Projects: Economic stimulus package	Cut-and-coat process by wire-EDM	Cors	Jorge	Department of Condensed Matter Physics	Université de Genève
Transfer Projects: Economic stimulus package	Electrochemical sensors with higher resolution	Cors	Jorge	Department of Condensed Matter Physics	Université de Genève
Transfer Projects: Economic stimulus package	Development of MgB ₂ wires with high critical current densities for economical NMR magnets at 4.2 and at 20 K	Flükiger	René	Dép.de Physique de la Matière Condensée	Université de Genève
Transfer Projects: Economic stimulus package	Neutron optical devices for small samples	Kenzelmann	Michel	Laboratory for Developments and Methods	PSI Villigen

Participating groups

Leader (name)	Surname	Institution	Period
Abplanalp	Markus	ABB Corporate Ltd., Baden-Dättwil	1+2+3
Aebi	Philipp	Université de Neuchâtel	1+2+3
Baeriswyl	Dionys	Université de Fribourg	1+2+3
Batlogg	Bertram	ETH-Hönggerberg	3
Baumberger	Felix	Université de Genève	3
Beck	Hans	Université de Neuchâtel	1
Bernhard	Christian	Université de Fribourg	2+3
Blatter	Gianni	ETH Hönggerberg	1+2+3
Briand	Danick	EPF Lausanne	3
Buffat	Philippe	EPF Lausanne	1
Büttiker	Markus	Université de Genève	1+2+3
Cerny	Radovan	Université de Genève	3
Cors	Jorge	Université de Genève	3
De Rooij	Nico	EPF Lausanne	3
Decroux	Michel	Université de Genève	3
Degiorgi	Leonardo	ETH Hönggerberg	2+3
Eckert	Daniel	Bruker AG, Fällanden	1+2+3
Esslinger	Tilman	ETH Hönggerberg	3
Fiebig	Manfred	ETH Hönggerberg	3
Fischer	Oystein	Université de Genève	1+2+3
Flükiger	René	Université de Genève	1+2+3
Forro	Laszlo	EPF Lausanne	1+2+3
Furrer	Albert	ETH Zürich	1
Geroges	Antoine	Université de Genève	3
Giamarchi	Thierry	Université de Genève	1+2+3
Giannini	Enrico	Université de Genève	3

Leader (name)	Surname	Institution	Period
Grioni	Marco	EPF Lausanne	2+3
Hasler	Martin	EPF Lausanne	1+2
Hulliger	Jürg	Universität Bern	2
Jaccard	Didier	Université de Genève	3
Junod	Alain	Université de Genève	1
Karpinski	Janusz	ETH Hönggerberg	1+2+3
Keller	Hugo	Universität Zürich	1+2+3
Kenzelmann	Michel	PSI Villigen	3
Kollath	Corinna	Université de Genève	3
Margaritondo	Giorgio	EPF Lausanne	1+2
Martinoli	Piero	Université de Neuchâtel	1
Mesot	Joel	ETH Zürich	2+3
Mila	Frédéric	EPF Lausanne	1+2+3
Morenzoni	Elvezio	PSI, Villigen	2+3
Morpurgo	Alberto	Université de Genève	2+3
Nesper	Reinhard	ETH Hönggerberg	1+2
Niedermayer	Christof	PSI Villigen	3
Ott	Hans-Rudolf	ETH Hönggerberg	1+2+3
Paruch	Patrycja	Université de Genève	2+3
Patzke	Greta	Universität Zürich	3
Renner	Christophe	Université de Genève	2+3
Rice T.	Maurice	ETH Hönggerberg	1+2+3
Ronnow	Henrik	EPF Lausanne	3
Rüegg	Christian	PSI Villigen	3
Schilling	Andreas	Universität Zürich	1+2
Schlapbach	Louis	EMPA Dübendorf	1+2
Senatore	Carmine	Université de Genève	3

Leader (name)	Surname	Institution	Period
Sigrist	Manfred	ETH Hönggerberg	1+2+3
Spladin	Nicola	ETH Hönggerberg	3
Staub	Urs	PSI Villigen	3
Triscone	Jean-Marc	Université de Genève	1+2+3
Triscone	Gilles	Hepia, Genève	3
Troyer	Matthias	ETH Hönggerberg	2+3
Van Der Marel	Dirk	Université de Genève	1+2+3
Weidenkaff	Anke	EMPA Dübendorf	3
Werner	Philipp	Université de Fribourg	3
Willmott	Philip	PSI Villigen	3
Yvon	Klaus	Université de Genève	2+3
Zheludev	Andrey	ETH Hönggerberg	3