

First funding period: 2001 - 2005

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Quantum communications	Gisin	Nicolas	Groupe de Physique Appliquée	Université de Genève
Individual Research Projects	Single photon emitters	Fiore	Andrea	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Ultrafast spectroscopy of condensed matter	Chergui	Majed	Institut de Chimie Moléculaire et Biologique	EPF Lausanne
Individual Research Projects	Nano-optical tools	Deveaud-Plédran	Benoit	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Far-infrared and TeraHertz optoelectronics	Faist	Jérôme	Institut de Physique	Université de Neuchâtel
Individual Research Projects	III-Nitride photonic devices at near - infrared to ultraviolet wavelenghts	Ilegems	Marc	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Ultrafast sources from near infrared to X-rays	Keller	Ursula	Institut für Quantenelektronik	ETH Zürich
Individual Research Projects	High power fiber lasers	Weber	Heinz	Institut für Angewandte Physik	Universität Bern
Individual Research Projects	Terabit/s photonics and photonic bandgap devices	Jäckel	Heinz	Institut für Elektronik	ETH Zürich
Individual Research Projects	Silicon based photonic devices	Martin	Olivier	Laboratoire de Nanophotonique et Métrologie	EPF Lausanne

Second funding period: 2005 - 2009

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Quantum communication	Gisin	Nicolas	Groupe de Physique Appliquée	Université de Genève
Individual Research Projects	Single photon detectors	Zbinden	Hugo	Groupe de Physique Appliquée	Université de Genève
Individual Research Projects	Cavity-QED and spin based quantum information processing	Imamoglu	Atac	Institut für Quantenelektronik	ETH Zürich
Individual Research Projects	Cavity Quantum Optomechanics	Kippenberg	Tobias	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Ordered pyramidal quantum dots for quantum photonics applications	Kapon	Eli	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Quantum coherence in semi-conductor nanostructures	Deveaud-Plédran	Benoit	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Time resolved cathodoluminescence	Ganière	Jean-Daniel	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Theory and modelling of quantum coherence in polaritonic nanodevices	Savona	Vincenzo	Group of Theory of Nanosystems	EPF Lausanne
Individual Research Projects	Nitrides based light emitters	Grandjean	Nicolas	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	Advanced photonic crystal structures	Houdré	Romuald	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Individual Research Projects	MEMS photonic crystals and gratings	Stanley	Ross		CSEM Neuchâtel
Individual Research Projects	Coherent control of matter in photonic crystal fibers	Feurer	Thomas	Institut für Angewandte Physik	Universität Bern
Individual Research Projects	Quantum cascade interlevel sources	Faist	Jérôme	Institut de Physique	Université de Neuchâtel
Individual Research Projects	Ultrafast sources from near infrared to X-rays	Keller	Ursula	Institut für Quantenelektronik	ETH Zürich
Individual Research Projects	Imaging applications of second harmonic generation in nanoparticles	Psaltis	Demetri	Institut d'imagerie et optique appliqué	EPF Lausanne
Individual Research Projects	XUV-IR Laser Pulse Shaping using MEMS	Wolf	Jean-Pierre	Biophotonics Group	University of Geneva
Individual Research Projects	Toward directly modulated VCSELs at 40Gbit/s	Witzigmann	Bernd	Institute für Integrierte Systeme	ETH Zürich

Third funding period: 2009 - 2013

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Quantum Optics	Quantum coherence in semi-conductors nanostructures	Deveaud- Plédran	Benoit	Institut de Physique de la Matière Condensée	EPF Lausanne
Quantum Optics	Theory of quantum coherence in polaritonic nano devices	Savona	Vincenzo	Institut de Théorie des Phénomènes Physiques	EPF Lausanne
Quantum Optics	Quantum communication	Gisin	Nicolas	Groupe de Physique Appliquée	Université de Genève
Quantum Optics	Single photon detectors	Zbinden	Hugo	Groupe de Physique Appliquée	Université de Genève
Quantum Optics	Coupling quantum dot spins to nano-cavities	Imamoglu	Atac	Institut für Quantenelektronik	ETH Zürich
Quantum Devices	Cavity quantum optomechanics (cQOM)	Kippenberg	Tobias	Institut de Physique de la Matière Condensée	EPF Lausanne
Quantum Devices	Photonic crystals devices	Houdré	Romuald	Institut de Physique de la Matière Condensée	EPF Lausanne
Advanced Light Sources	Nitride based light emitters	Grandjean	Nicolas	Institut de Physique de la Matière Condensée	EPF Lausanne
Advanced Light Sources	Quantum cascade interlevel sources	Faist	Jérôme	Institut für Quantenelektronik	ETH Zürich
Advanced Light Sources	Ultrafast sources from near infrared to X-Rays	Keller	Ursula	Institut für Quantenelektronik	ETH Zürich
Transfer projects: Strong Swiss franc	High Volume Production of Single Frequency Mid-Infra-Red Sources	Faist	Jérôme	Institut für Quantenelektronik	ETH Zürich
Transfer projects: Strong Swiss franc	TURQUOISE	Grandjean	Nicolas	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Transfer projects: Strong Swiss franc	Acoustocomb - Acousto-optics based optical frequency comb stabilization	Lecomte	Steve		CSEM Neuchâtel
Transfer Projects: Economic stimulus package	High-speed single photon counting module	Zbinden	Hugo	Groupe de Physique Appliquée	Université de Genève
Transfer Projects: Economic stimulus package	TERASCOPE	Scalari	Giacomo	Quantum Optoelectronics Group	ETH Zürich
Transfer Projects: Economic stimulus package	Epitaxial structures for blue photonics (EPIBLUE)	Grandjean	Nicolas	Institut de Photonique et d'Electronique Quantique	EPF Lausanne
Transfer Projects: Economic stimulus package	Single mode plasmonic VCSEL's	Stanley	Ross		CSEM Neuchâtel
Transfer Projects: Economic stimulus package	Second generation QKD engine	Gisin	Nicolas	Groupe de Physique Appliquée	Université de Genève

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Transfer Projects: Economic stimulus package	Hybrid Light	Feurer	Thomas	Institut für Angewandte Physik	Universität Bern

Participating groups

Leader (name)	Surname	Institution	Period
Bächtold	Werner	ETH Zürich	1
Biegert	Jens	ETH Zürich	1
Bona	Gian-Luca	IBM Zürich Research Laboratory	1
Carlin	Jean-François	EPF Lausanne	1
Chergui	Majed	EPF Lausanne	1
Deveaud-Plédran	Benoit	EPF Lausanne	1+2+3
Erni	Daniel	ETH Zürich	1
Faist	Jérôme	ETH Zürich	1+2+3
Feurer	Thomas	Universität Bern	2+3
Fiore	Andrea	EPF Lausanne	1
Ganière	Jean-Daniel	EPF Lausanne	2
Gisin	Nicolas	Université de Genève	1+2+3
Grandjean	Nicolas	EPF Lausanne	2+3
Gulden	Karlheinz	Avalon Photonics, Zürich	1
Hofstetter	Daniel	Université de Neuchâtel	1
Houdré	Romuald	EPF Lausanne	1+2+3
Ilegems	Marc	EPF Lausanne	1
Imamoglu	Atac	ETH Zürich	1+2+3
Jäckel	Heinz	ETH Zürich	1
Kapon	Eli	EPF Lausanne	1+2
Keller	Ursula	ETH Zürich	1+2+3
Kippenberg	Tobias	EPF Lausanne	2+3
Lecomte	Steve	CSEM Neuchâtel	3
Martin	Olivier	EPF Lausanne	1
Psaltis	Demetri	EPF Lausanne	2
Savona	Vincenzo	EPF Lausanne	2+3

Leader (name)	Surname	Institution	Period
Scalari	Giacomo	ETH Zürich	3
Schön	Silke	ETH Zürich	1
Stanley	Ross	CSEM Neuchâtel	1+2+3
Thévenaz	Luc	EPF Lausanne	1
van den Bergh	Hubert	EPF Lausanne	1
Weber	Heinz	Universität Bern	1
Witzigmann	Bernd	ETH Zürich	2
Wolf	Jean-Pierre	University of Geneva	2
Zbinden	Hugo	Université de Genève	2+3
Zuppiroli	Libero	EPF Lausanne	1