

## First funding period: 2001 - 2005

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
Research Areas	Structural biology of membrane proteins	Engel	Andreas	M.E. Müller Institut, Biozentrum	Universität Basel
Research Areas	Supramolecular assemblies/molecular interactions	Richmond	Timothy J.	Institut für Molekularbiologie und Biophysik	ETH Zürich
Research Areas	Recombinat protein technologies	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Research Areas	Structure determination technologies	Winkler	Fritz	Paul Scherrer Institut	Villigen PSI
Research Areas	Computational biomolecular sciences	van Gunsteren	Wilfred F.	Laboratorium für physikalische Chemie	ETH Zürich
Individual Research Projects	Folding of soluble proteins and membrane proteins in situ	Glockshuber	Rudolf	Institut für Molekularbiologie und Biophysik	ETH Zürich
Individual Research Projects	Evolutionary and computeraided protein engineering	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Individual Research Projects	Microscopic analyses of membrane proteins in situ	Engel	Andreas	M.E. Müller Institut, Biozentrum	Universität Basel
Individual Research Projects	Membrane transporters and proteins from pathogenic organismus	Grütter	Markus	Institut für Biochemie	Universität Zürich
Individual Research Projects	Protein-DANN interactions and supramolecular assemblies	Richmond	Timothy J.	Institut für Molekularbiologie und Biophysik	ETH Zürich
Individual Research Projects	Protein crystallography of integral membrane proteins	Winkler	Fritz	Paul Scherrer Institut	Villigen PSI
Individual Research Projects	NMR spectroscopy of biological macromolecules	Wüthrich	Kurt	Institut für Molekularbiologie und Biophysik	ETH Zürich
Individual Research Projects	Computational approaches to protein folding and drug design	Calfisch	Amedeo	Institut für Biochemie	Universität Zürich
Individual Research Projects	Computational biomolecular sciences	van Gunsteren	Wilfred F.	Laboratorium für physikalische Chemie	ETH Zürich
Individual Research Projects	Structural studes of cotranslational protein translocation	Ban	Nenad	Institut für Molekularbiologie und Biophysik	ETH Zürich

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
Individual Research Projects	Solution structure of a protein-RNA complex that regulates alternative-splicing: PTB and nPTB-RNA complexes	Allain	Frédéric	Institut für Molekularbiologie und Biophysik	ETH Zürich
Individual Research Projects	Structure and function of proteins involved in transmembrane chloride transport: chloride channels and chloride transporters	Dutzler	Raimund	Institut für Biochemie	Universität Zürich
Associated Groups	Automation of the protein crystal beamline at the swiss light source	Schulze-Briese	Clemens	Paul Scherrer Institut	Villigen PSI
Associated Groups	New Isotope labeling strategies of protein and RNA for NMR spectroscopy investigations	Wüthrich	Kurt	Institut für Molekularbiologie und Biophysik	ETH Zürich
Associated Groups	Production of archaeal N-linked glycoproteins in <i>Escherichia coli</i>	Aebi	Markus	Institut für Mikrobiologie	ETH Zürich
Associated Groups	Calorimetric analysis of protein folding and protein-ligand binding	Jelesarov	Ilian	Institut für Biochemie	Universität Zürich
Associated Groups	Synthesis of aminoacylated and isotope-labeled RNA-sequences for structural investigations	Pitsch	Stefan	Institute of Chemical Science and Engineering	EPF Lausanne

## Second funding period: 2005 - 2009

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Areas	Structural biology of membrane proteins	Engel	Andreas	M.E. Müller Institut, Biozentrum	Universität Basel
Areas	Supramolecular assemblies/ molecular interactions	Richmond	Timothy J.	Institut für Molekularbiologie und Biophysik	ETH Zürich
Areas	Technologies	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Projects	Folding and function of supramolecular systems and membrane proteins	Glockshuber	Rudolf	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Synthetic protein libraries	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Projects	Assessing the structure and dynamics of membrane proteins by electron and atomic force microscopy	Engel	Andreas	M.E. Müller Institut, Biozentrum	Universität Basel
Projects	X-ray crystallography of supramolecular systems and membrane transporters	Grütter	Markus	Institut für Biochemie	Universität Zürich
Projects	Supramolecular assemblies: structures of chromatin and associated multiprotein complexes	Richmond	Timothy J.	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Signalling and transport through biological membranes	Winkler	Fritz	Paul Scherrer Institut	Villigen PSI
Projects	Solution NMR with soluble and membrane proteins, including supramolecular structures	Wüthrich	Kurt	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Computer simulation of membrane proteins, supramolecular complexes and macromolecular folding	van Gunsteren	Wilfred F.	Laboratorium für physikalische Chemie	ETH Zürich
Projects	X-ray crystallography and electron microscopy of supramolecular systems	Ban	Nenad	Institut für Molekularbiologie und Biophysik	ETH Zürich

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Projects	Structure determination of protein-RNA complexes involved in alternative-splicing by NMR spectroscopy	Allain	Frédéric	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Mechanisms of ion transport across membranes: The structural biology of ion channels and ion transporters	Dutzler	Raimund	Institut für Biochemie	Universität Zürich
Projects	Structure and mechanism of bacterial drug and antibiotic transporters	Locher	Kaspar	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Single molecule spectroscopy of cotranslational protein folding, structure, and dynamics	Schuler	Ben	Institut für Biochemie	Universität Zürich
Associated Groups	Automation of protein crystallography beamlines for challenging projects at the swiss light source	Schulze-Briese	Clemens	Paul Scherrer Institut	Villigen PSI
Associated Groups	New isotope labeling strategies of protein and RNA for NMR spectroscopy investigations	Wüthrich	Kurt	Institut für Molekularbiologie und Biophysik	ETH Zürich
Associated Groups	Calorimetric and biophysical analysis of protein-ligand binding and protein folding	Jelesarov	Ilian	Institut für Biochemie	Universität Zürich
Associated Groups	Technical development for automated and high-throughput data collection and 3D reconstruction in electron microscopy	Ishikawa	Takashi	Institut für Molekularbiologie und Biophysik	Universität Zürich

## Third funding period: 2009 - 2013

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Areas	Structural biology of membrane proteins	Locher	Kaspar	Institut für Molekularbiologie und Biophysik	ETH Zürich
Areas	Supramolecular assemblies/ molecular interactions	Ban	Nenad	Institut für Molekularbiologie und Biophysik	ETH Zürich
Areas	Technologies	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Projects	Folding and function of supramolecular systems and membrane proteins	Glockshuber	Rudolf	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Directed evolution of eukaryotic membrane proteins	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Projects	X-ray crystallography of membrane proteins and the use of chaperones of crystallization	Grütter	Markus	Institut für Biochemie	Universität Zürich
Projects	Chromatin structure: Genome organization in three-dimensions	Richmond	Timothy J.	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Macromolecular assemblies involved in central cellular processes; mitochondrial protein synthesis and fatty acid synthesis	Ban	Nenad	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	The structural basis for transmembrane ion transport	Dutzler	Raimund	Institut für Biochemie	Universität Zürich
Projects	Structure and mechanism of multidrug transporters	Locher	Kaspar	Institut für Molekularbiologie und Biophysik	ETH Zürich
Projects	Structure determination of protein-RNA complexes involved in alternative-splicing by NMR spectroscopy	Allain	Frédéric	Institut für Molekularbiologie und Biophysik	ETH Zürich

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Projects	Single molecule spectroscopy of cotranslational protein folding and membrane protein dynamics	Schuler	Ben	Institut für Biochemie	Universität Zürich
Projects	Computational biomolecular science	van Gunsteren	Wilfred F.	Laboratorium für physikalische Chemie	ETH Zürich
Associated Groups	Cell-free expression and segmental stable isotope labelling of proteins and RNAs for NMR studies	Allain	Frédéric	Institut für Molekularbiologie und Biophysik	ETH Zürich
Associated Groups	High throughput expression lab	Plückthun	Andreas	Institut für Biochemie	Universität Zürich
Associated Groups	High throughput crystallization facility of the NCCR	Grütter	Markus	Institut für Biochemie	Universität Zürich

Participating groups

Leader (name)	Surname	Institution	Period
Aebi	Markus	ETH Zürich	1
Allain	Frédéric	ETH Zürich	1+2+3
Ban	Nenad	ETH Zürich	1+2+3
Calfisch	Amedeo	Universität Zürich	1
Dutzler	Raimund	Universität Zürich	1+2+3
Engel	Andreas	Universität Basel	1+2
Glockshuber	Rudolf	ETH Zürich	1+2+3
Grütter	Markus	Universität Zürich	1+2+3
Ishikawa	Takashi	Universität Zürich	2
Jelesarov	Ilian	Universität Zürich	1+2
Locher	Kaspar	ETH Zürich	2+3
Pitsch	Stefan	EPF Lausanne	1
Plückthun	Andreas	Universität Zürich	1+2+3
Richmond	Timothy J.	ETH Zürich	1+2+3
Schuler	Ben	Universität Zürich	2+3
Schulze-Briese	Clemens	Villigen PSI	1+2
van Gunsteren	Wilfred F.	ETH Zürich	1+2+3
Winkler	Fritz	Villigen PSI	1+2
Wüthrich	Kurt	ETH Zürich	1+2