



Guide 2019

National Centres of Competence in Research



SWISS NATIONAL SCIENCE FOUNDATION

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1. The NCCRs at a glance

Overview of NCCR Calls

	Submitted pre-proposals	Submitted full proposals	Approved proposals	Years of operation
1st Call (1999)*	82	34	14	2001-2013
2nd Call (2003)	44	17	6	2005-2017
3rd Call (2008)	54	28	8	2010-2022
4th Call (2011)	63	23	8	2014-2026

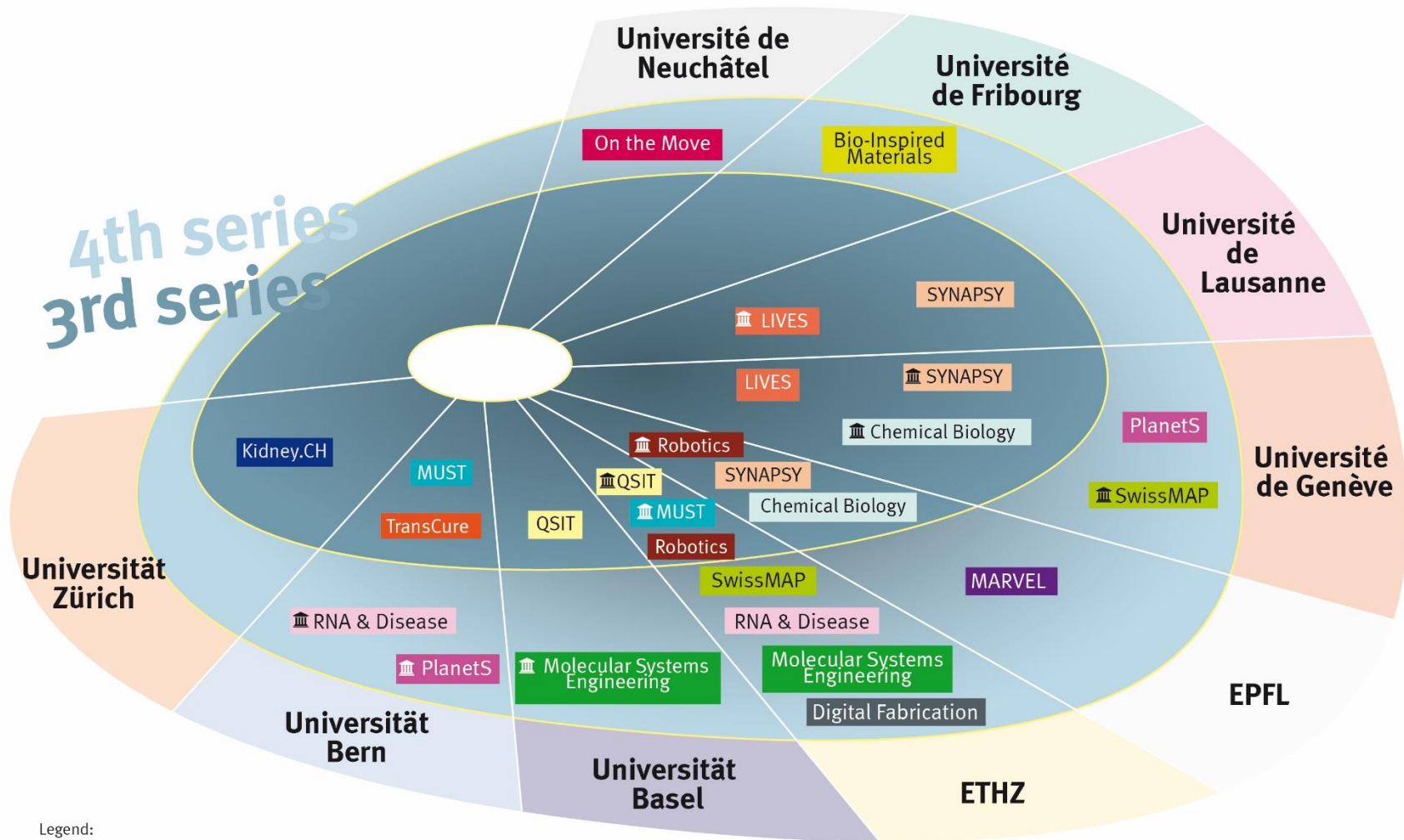
* The NCCRs of the 1st and the 2nd Call are terminated. For more information see www.snf.ch

3rd Call of NCCRs

Short Name	NCCR-Director	Home Institutions	Starting date
Chemical Biology	Prof. Howard Riezman	University of Geneva, EPFL	December 1, 2010
Kidney.CH	Prof. Johannes Loffing	University of Zurich	August 1, 2010
LIVES	Prof. Dario Spini	University of Lausanne, University of Geneva	January 1, 2011
MUST	Prof. Ursula Keller	ETH Zurich, University of Bern	July 1, 2010
QSIT	Prof. Klaus Ensslin	ETH Zurich, University of Basel	January 1, 2011
Robotics	Prof. Dario Floreano	EPFL, ETH Zurich	December 1, 2010
SYNAPSY	Prof. Alexandre Dayer	Universities of Geneva and Lausanne, EPFL	October 1, 2010
TransCure	Prof. Hugues Abriel	University of Bern	November 1, 2010

4th Call of NCCRs

Short Name	NCCR-Director	Home Institutions	Starting date
Bio-Inspired Materials	Prof. Christoph Weder	University of Fribourg	June 1, 2014
Digital Fabrication	Prof. Philippe Block	ETH Zurich	June 1, 2014
MARVEL	Prof. Nicola Marzari	EPFL	May 1, 2014
Molecular Systems Engineering	Prof. Thomas R. Ward	University of Basel, ETH Zurich	July 1, 2014
On the Move	Prof. Gianni D'Amato	University of Neuchatel	June 1, 2014
PlanetS	Prof. Willy Benz	University of Bern, University of Geneva	June 1, 2014
RNA & Disease	Prof. Oliver Mühlemann	University of Bern, ETH Zurich	May 1, 2014
SwissMAP	Prof. Stanislav Smirnov	University of Geneva, ETH Zurich	July 1, 2014



4th series
3rd series

Legend:
 🏛️ First Home Institution
 3rd series: Start 2010, 8 NCCR
 4th series: Start 2014, 8 NCCR

3rd Call of NCCRs: Funding in phase 1 and phase 2: 2014–2017

Funding source (CHF)	Phase 1	2014	2015	2016	2017	Phase 2 total
SNSF funding	124'694'314	35'740'364	34'725'876	32'724'036	25'533'691	128'723'967
Self-funding from Home Institutions ¹	72'822'637	19'543'883	22'300'756	18'449'292	22'005'888	82'299'819
Self-funding from project participants	95'700'593	28'815'363	28'486'865	28'724'188	25'631'900	111'658'316
Third-party funding ²	9'461'241	793'527	613'760	744'269	579'142	2'730'698
Total	302'678'784	84'893'137	86'127'257	80'641'785	73'750'621	325'412'800

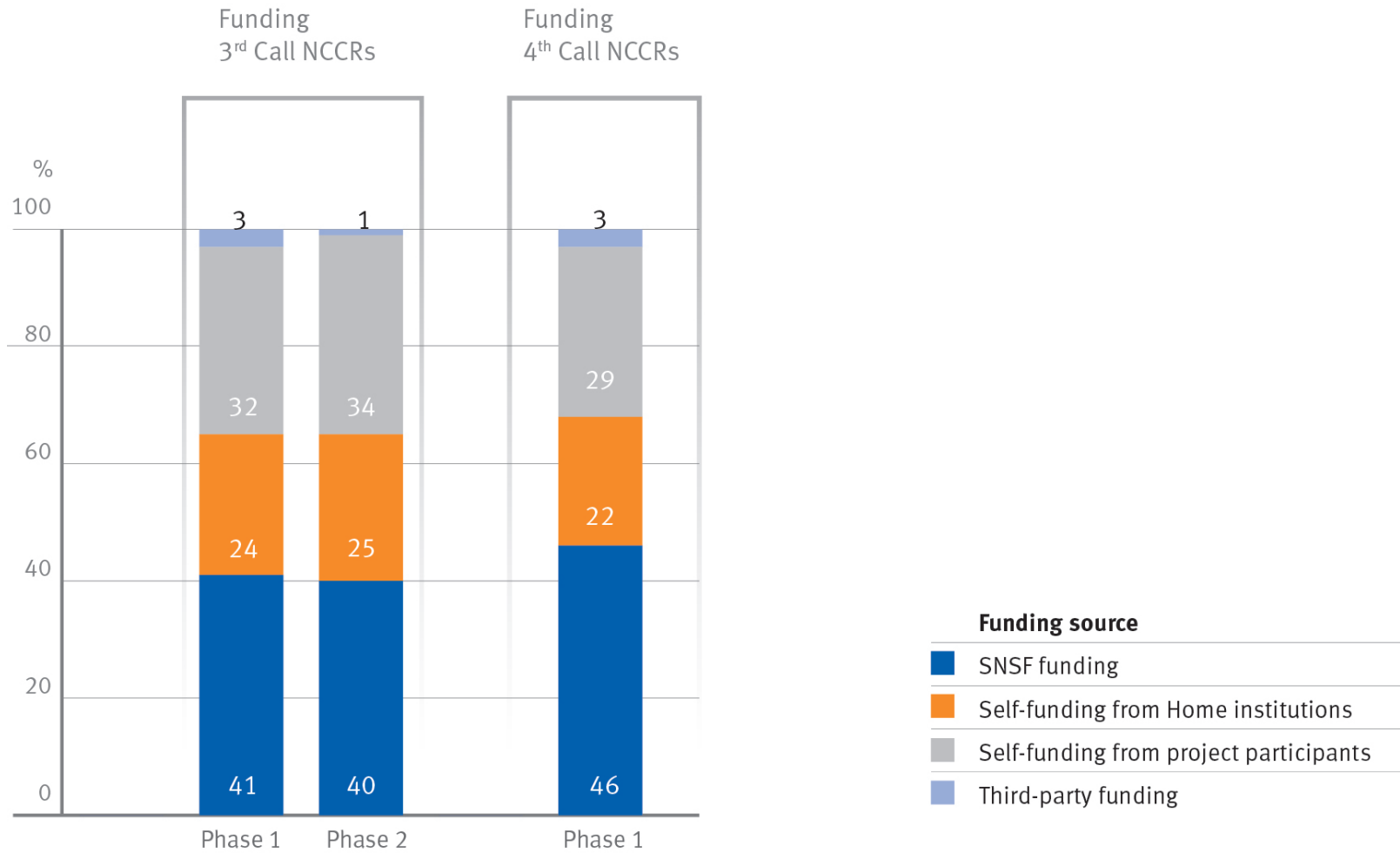
4th Call of NCCRs: Funding in phase 1: 2014–2017

Funding source (CHF)	2014	2015	2016	2017	Phase 1 total
SNSF funding	29'989'032	30'810'179	31'396'526	31'205'339	123'401'076
Self-funding from Home Institutions ¹	8'216'016	12'519'487	16'409'111	21'556'042	58'700'656
Self-funding from project participants	15'821'639	18'995'924	20'906'275	20'840'293	76'564'131
Third-party funding ²	1'040'486	973'176	2'783'325	4'041'925	8'838'912
Total	55'067'173	63'298'766	71'495'237	77'643'599	267'504'775

¹ Personnel costs, equipment and consumables, not included infrastructure and basic equipment

² Not included is CTI funding

Funding of the NCCRs



Persons involved in the NCCRs in the last reporting period (12 months)

3rd and 4th Call of NCCRs

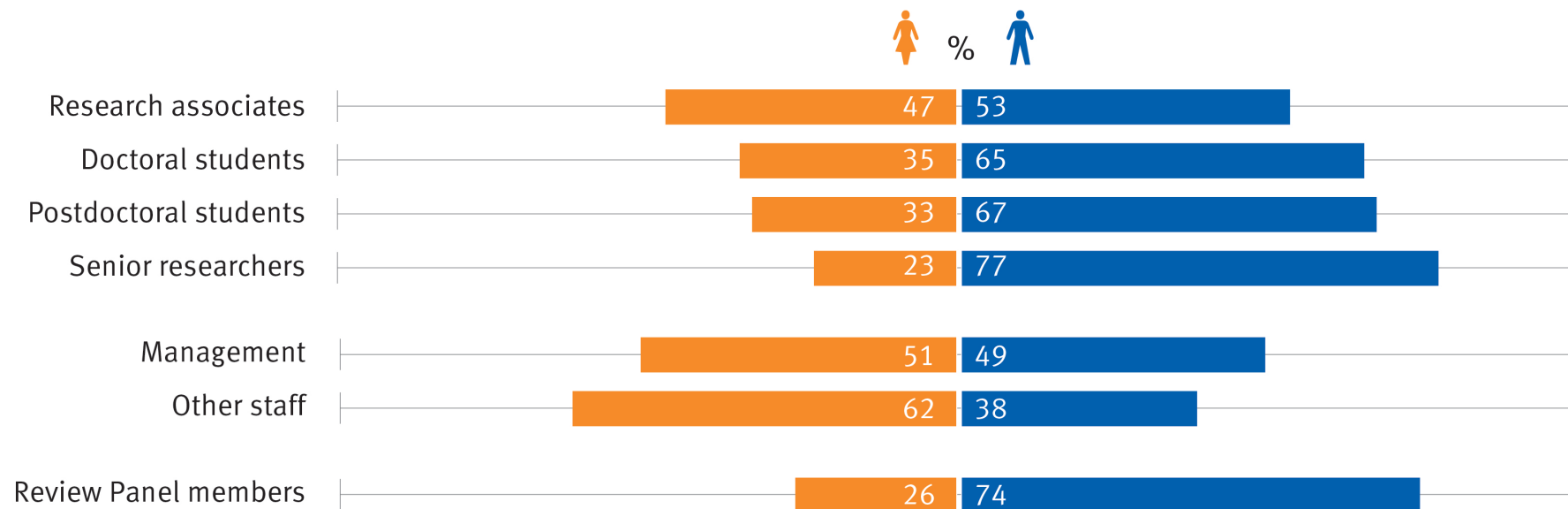
Personnel	Total of Persons	Female	Male	Swiss	Other nationalities
Research associates ¹	133	62	71	61	22
Doctoral students	677	240	437	184	214
Postdoctoral students	506	168	338	47	199
Senior researchers ²	769	174	595	296	189
Management ³	91.96	122	115	142	51
Other staff	304	188	116	173	47
Total	2480.96	954	1672	903	722

¹ Includes graduate scientists (level master) but not registered as doctoral students or undergraduate students participating in research projects.

² Including leaders of the individual projects and other organisational units of the NCCRs

³ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication, education and training

Gender in the NCCRs



NCCR Bio-Inspired Materials

Using Concepts from Nature to Create "Smart" Materials

NCCR Director: Prof. Christoph Weder
Home Institution: University of Fribourg
Start date: 1st of June 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Michal Borkovec**, Section de Chimie et Biochimie, Université de Genève
Prof. **Carole Bourquin**, Section Sciences Pharmaceutiques, Université de Genève
Prof. **Joseph Brader**, Physikdepartement, Universität Freiburg
Prof. **Nico Bruns**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Alke Fink**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Katharina Fromm**, Departement Chemie, Universität Freiburg
Prof. **Andreas Kilbinger**, Departement Chemie, Universität Freiburg
Prof. **Marco Lattuada**, Departement Chemie, Universität Freiburg
Prof. **Michael Mayer**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Aleksandra Radenovic**, Institut Interfacultaire de Bioingénierie, EPFL
Prof. **Barbara Rothen-Rutishauser**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Curzio Rüegg**, Departement für Medizin, Universität Freiburg
Prof. **Frank Scheffold**, Physikdepartement, Universität Freiburg
Prof. **Ullrich Steiner**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Francesco Stellacci**, Institut de Science et Génie des Matériaux, EPFL
Prof. **André Studart**, Departement Materialwissenschaft, ETH Zurich
Prof. **Christoph Weder**, Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
Prof. **Andreas Zumbühl**, Departement Chemie, Universität Freiburg

[Overview of all Research Projects](#)



Participating Institutions

Universität Freiburg (13 groups)/ Université de Genève (2 groups)/
EPFL (2 groups)/ ETH Zürich (1 group)

Members of the Review Panel

Prof. **Joanna Aizenberg**, Harvard School of Engineering and Applied Sciences, US
Prof. **Hans-Jürgen Butt**, Physik der Grenzflächen, Max-Planck-Institut für Polymerforschung, DE
Prof. **Kenneth A. Dawson**, School of Chemistry and Chemical Biology, University College Dublin, IE
Prof. **Eva Marie Harth**, Department of Chemistry, Vanderbilt University, US
Prof. **Volker Mailänder**, Center for Translational Nanomedicine, Johannes-von-Gutenberg-Universität, Mainz, DE
Prof. **Phillip B. Messersmith**, Departments of Bioengineering and Materials Science and Engineering, University of California, Berkeley, US
Prof. **Meital Rechess**, Institute of Chemistry, The Hebrew University of Jerusalem, IL

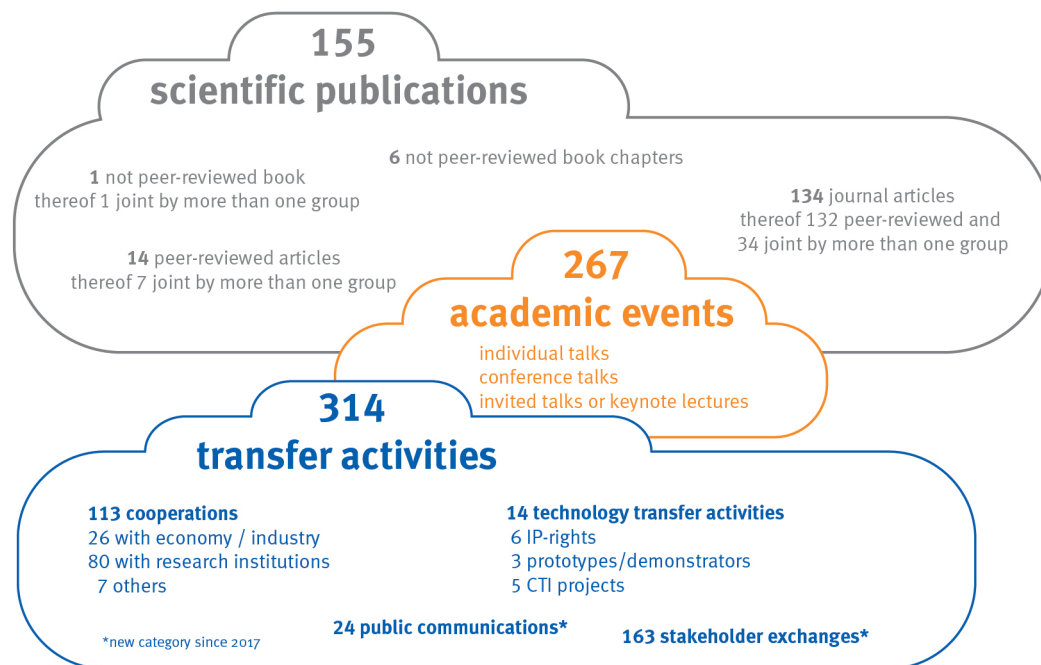
Prof. **Anna Fontcuberta i Morral** (Chair), SNF, Bern, CH
Dr. **Marc Bohner**, SNF, Bern, CH
Prof. **Jan Carmeliet**, SNF, Bern, CH

Management/Coordination

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www.bioinspired-materials.ch

Output Data
Data: since start



Key collaborations with third parties

Academia

Case Western Reserve University, Cleveland (OH), US
 University of Basel, CH
 University of Bayreuth, DE
 Massachusetts Institute of Technology, Cambridge, US
 University of California, Santa Barbara, US
 University of Chicago, US
 Donostia International Physics Center, ES
 Philipps Universität Marburg, DE
 Centro de Pesquisa em Medicina Tropical de Rondônia, CEPEM, Porto Velho, Brazil, - Dhelio Batista Pereira, BR
 Empa, Swiss Federal Laboratories for Materials Science and Technology, CH
 University of Cambridge, UK
 Albert-Ludwigs-Universität Freiburg, DE
 Université de Strasbourg, FR
 Erasmus University Medical Center, NL

Private and public sector

BASF Schweiz AG, CH
 DuPont SA, CH
 Firmenich SA, CH
 Ivoclar Vivadent AG, LI
 regenHU Ltd., CH

Funding

Funding Source (CHF)	Total Phase 1 2014 - 2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	12'015'719	3'000'000	3'000'000	3'000'000	3'015'719	45
Self-funding from Home Institution ²	5'997'521	1'234'501	1'103'726	1'863'059	1'796'235	23
Self-funding from project participants	7'671'892	1'728'344	2'158'699	1'825'072	1'959'777	29
3rd party-funding	779'948	533'648	58'850	91'876	95'574	3
Total	26'465'080	6'496'493	6'321'275	6'780'007	6'867'305	100

¹ incl. 120%-grant in year 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	FR	IT	ES	IR	
Doctoral students	40	58	9	8	4	4	1	3	12
Postdoctoral students	19	42	0	3	5	0	1	2	11
Senior researchers ⁴	30	27	6	10	2	3	3	0	8
Management ⁵	6.60	50	7	1	1	3	2	0	5
Other staff	12	58	10	1	1	0	0	0	0
Total	107.60	46	32	23	13	10	7	5	36

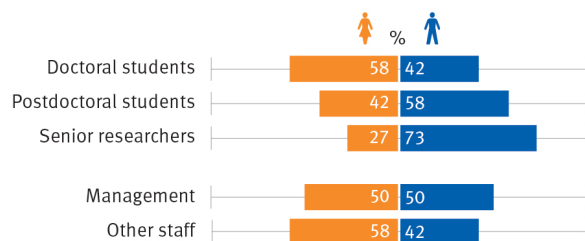
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

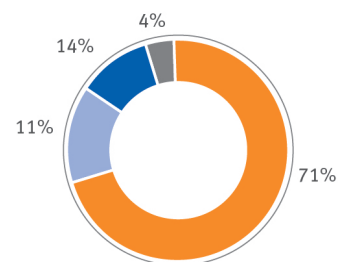
Gender in the NCCR

Data: current year



Training state of doctoral students

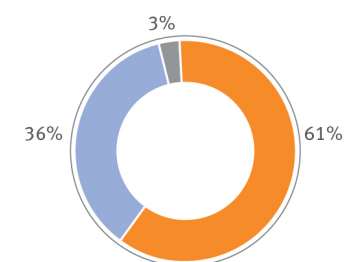
Data: since start



in progress	47
completed	7
continuation outside NCCR	9
dropout	3
Total	66

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	20
Private sector	12
Public sector	0
Other	1
None/not known	0
Total	33

NCCR Chemical Biology

Visualisation and Control of Biological Processes Using Chemistry



NCCR Director: Prof. Howard Riezman, NCCR Co-Director: Prof. Christian Heinis
Home Institutions: University of Geneva, EPFL
Start date: 1st of December 2010 (3rd NCCR series)

Heads of Research Groups

Prof. **Andrea Ablasser**, Global health Institute, EPFL
Prof. **Charlotte Aumeier**, Département de Biochimie, Université de Genève
Prof. **Yimon Aye**, Institut des sciences et ingénierie chimiques, ISIC, EPFL
Prof. **Bruno Correia**, Faculté des sciences et techniques de l'ingénieur, STI, EPFL
Prof. **Lyndon Emsley**, Institut des sciences et ingénierie chimiques, ISIC, EPFL
Prof. **Anne-Claude Gavin**, Faculté de Médecine, Université de Genève
Prof. **Beat Fierz**, Institut des sciences et ingénierie chimiques, ISIC, EPFL
Prof. **Pierre Gönczy**, Institut suisse de recherche expérimentale sur le cancer (ISREC), EPFL
Prof. **Marcos Gonzalez Gaitan**, Département de Biochimie, Université de Genève
Prof. **Monica Gotta**, Faculté de Médecine, Université de Genève
Prof. **Sascha Hoogendoorn**, Département de Chimie Organique, Université de Genève
Prof. **Christian Heinis**, Institut des sciences et ingénierie chimiques, ISIC, EPFL
Prof. **Marko Kaksonen**, Département de Biochimie, Université de Genève
Prof. **Karten Kruse**, Département de Biochimie & Département de Physique Théorique appliquée à la Biologie, Université de Genève
Prof. **Robbie Loewith**, Département de Biologie Moléculaire, Université de Genève
Prof. **Suliana Manley**, Institut de physique des systèmes biologiques, EPFL
Prof. **Stefan Matile**, Département de Chimie Organique, Université de Genève
Prof. **Howard Riezman**, Département de Biochimie, Université de Genève
Prof. **Aurélien Roux**, Département de Biochimie, Université de Genève
Prof. **Kaori Sugihara**, Département de Chimie Physique, Université de Genève
Dr. **Gerardo Turcatti**, Plateformes technologiques SV, EPFL
Prof. **Gisou van der Goot**, Institut de recherche en infectiologie EPFL
Prof. **Jérôme Waser**, Institut de recherche en infectiologie EPFL
Prof. **Nicolas Winssinger**, Département de Chimie Organique, Université de Genève

Overview of all Research Projects

Participating Institutions

Université de Genève (13 groups)/EPFL (10 groups)

Members of the Review Panel

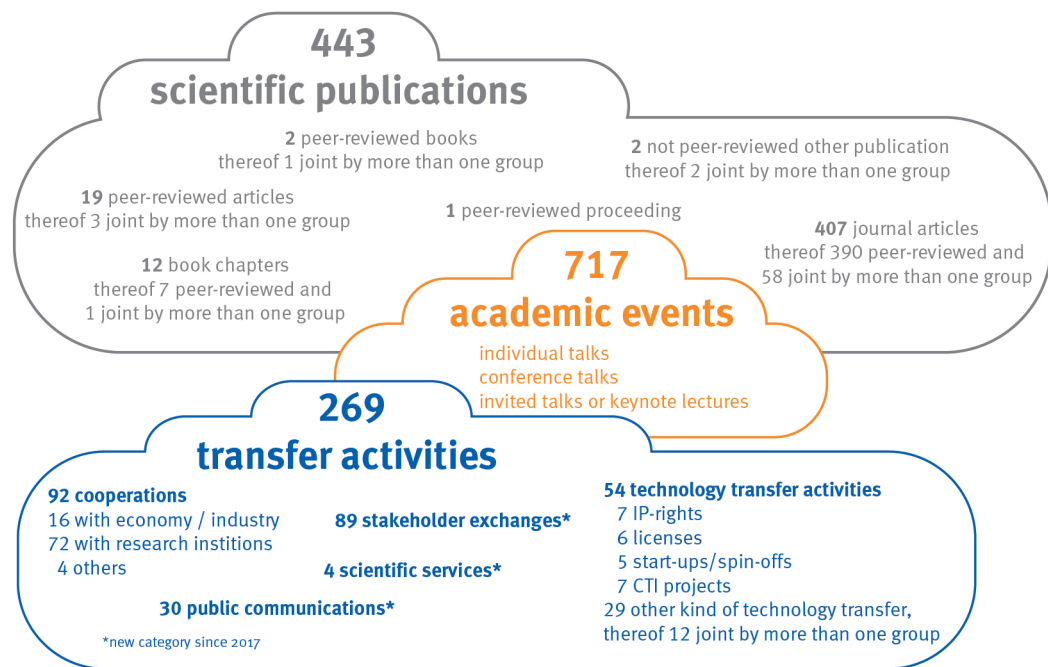
Prof. **Pieter Cullis**, Department of Biochemistry, Life Sciences Center, CA
Dr. **Walter Fischli**, Idorsia Pharmaceuticals Ltd, CH
Prof. **Christian Hackenberger**, Leibniz-Forschungsinstitut für Molekulare Pharmakologie im Forschungsverbund Berlin e.V., Berlin
Prof. **Tom Kirchhausen**, Harvard Medical School, Boston, US
Prof. **Suzanne Pfeffer**, Stanford University School of Medicine, US
Prof. **Carsten Schultz**, Department of Physiology and Pharmacology, Oregon Health & Science University (OHSU), US
Prof. **Dirk Trauner**, New York University, US

Prof. **Andreas Mayer** (Chair), SNF, Bern, CH
Prof. **Katharina Fromm**, SNF, Bern, CH
Prof. **Bernard Thorens**, SNF, Bern, CH

Management/Coordination

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Output Data Data: since start



Key collaborations with third parties

Research Institutions

Biozentrum, University of Basel, CH
 CNRS, Grenoble, FR
 Institut Curie, Paris, FR
 ETHZ, Zurich, CH
 INSERM, University of Lyon, Lyon, FR
 Laboratory of Computational Systems Biotechnology LCSB, EPFL, CH
 Max Planck Institute for Colloids and Surfaces, Potsdam-Golm, DE
 MPI Physics of Complex systems, Dresden, DE
 UCLA, Los Angeles, US
 Dartmouth University, US
 University of California, San Francisco, US
 University of Auckland, NZ
 TU Munchen, DE
 Strasbourg University, FR
 Ben Gurion University, Beer-Shiva, IL
 EMBL Heidelberg, DE

Private and public sector

Avanti Polar lipids, Alabama, US
 Spirochrome, Geneva, CH
 Networks, New York, US
 Novartis Forschungsstiftung, Basel, CH
 SystemsX, Zurich, CH
 TCI Europe N.V., Zwijndrecht, BE

Funding

Funding Source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	13'520'000	14'666'031	4'160'000	4'150'000	3'660'000	2'696'031	46
Self-funding from Home Institutions ²	13'145'250	9'256'141	3'642'374	4'143'291	-533'656	2'004'132	29
Self-funding from project participants	3'631'371	7'864'394	1'269'330	1'138'774	3'080'756	2'375'534	25
3rd party-funding	130'596	18'390	18'390	0	0	0	0
Total	30'427'217	31'804'956	9'090'094	9'432'065	6'207'100	7'075'697	100

¹ incl. funding of transfer projects (strong Swiss franc package) in 2012, compensation for PhD salaries increase in 2014 and 120%-support grant in 2017.

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	ES	IT	IN	
Research associates ⁴	17	24	5	5	1	1	1	2	2
Doctoral students	31	45	2	7	5	3	2	1	11
Postdoctoral students	30	33	0	7	5	4	2	0	12
Senior researchers ⁵	26	27	9	3	4	1	0	1	8
Management ⁶	5.14	39	7	2	1	0	0	1	8
Other staff	12	67	7	3	0	0	0	1	1
Total	121.14	37	30	27	16	9	5	6	42

³ Persons involved in the NCCR in the last reporting period (12 months)

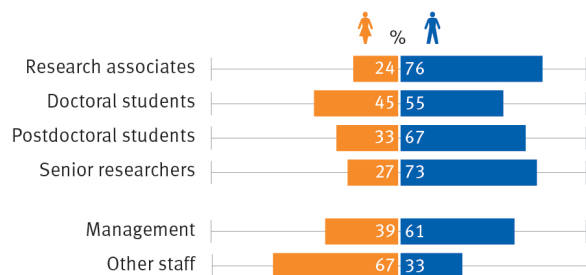
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

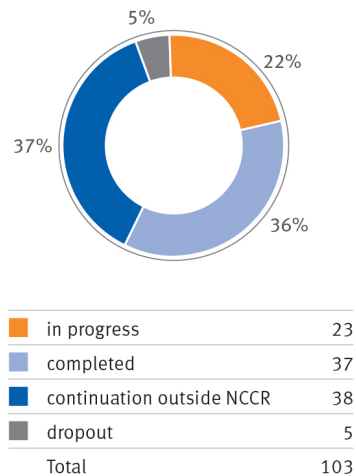
Gender in the NCCR

Data: current year



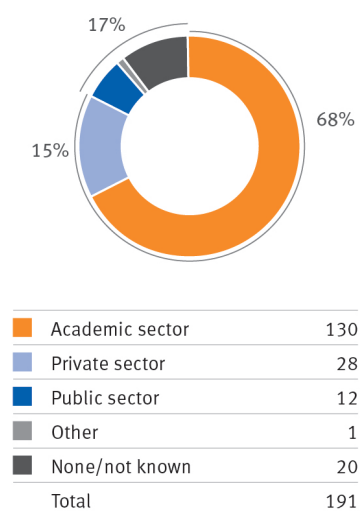
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR Digital Fabrication

Innovative Building Processes in Architecture



NCCR Director: Prof. Philippe Block
Home Institution: ETH Zurich
Start date: 1st of June 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Philippe Block**, Departement Architektur, ETH Zürich
Prof. **Eleni Chatzi**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Margarita Chli**, Departement Maschinenbau und Verfahrenstechnik, ETH Zürich
Prof. **Stelian Coros**, Departement Informatik, ETH Zürich
Prof. **Benjamin Dillenburger**, Departement Architektur, ETH Zürich
Prof. **Corentin Fivet**, Faculté de L'environnement Naturel, Architectural et Construit, EPFL
Prof. **Robert Flatt**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Andrea Frangi**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Christophe Girot**, Departement Architektur, ETH Zürich
Prof. **Gudela Grote**, Departement Management, Technologie und Ökonomie, ETH Zürich
Prof. **Guillaume Habert**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Daniel Hall**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Marco Hutter**, Departement Maschinenbau und Verfahrenstechnik, ETH Zürich
Prof. **Walter Kaufmann**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Matthias Kohler**, Departement Architektur, ETH Zürich
Prof. **Agathe Koller-Hodac**, Mechatronik und Automation, HSR Hochschule für Technik Rapperswil
Prof. **Andreas Luible**, Technik und Architektur, HSLU - Hochschule Luzern
Prof. **Mark Pauly**, Faculté Informatique Et Communications, EPFL
Prof. **Arno Schlueter**, Departement Architektur, ETH Zürich
Prof. **Joseph Schwartz**, Departement Architektur, ETH Zürich
Prof. **Kristina Shea**, Departement Maschinenbau und Verfahrenstechnik, ETH Zürich
Prof. **Roland Siegart**, Departement Maschinenbau und Verfahrenstechnik, ETH Zürich
Prof. **Roy Smith**, Departement Infor-mationstechnologie und Elektrotechnik, ETH Zürich
Prof. **Olga Sorkine-Hornung**, Departement Informatik, ETH Zürich
Prof. **Yves Weinand**, Faculté de L'environnement Naturel, Architectural et Construit, EPFL
Prof. **Andreas Wieser**, Departement Bau, Umwelt und Geomatik, ETH Zürich
Prof. **Melanie Zeilinger**, Departement Maschinenbau und Verfahrenstechnik, ETH Zürich

[Overview of all Research Projects](#)

Participating Institutions

EPFL (3 groups)/ETH Zürich (23 groups)/HSR (1 group)/HSLU (1 group)

Members of the Review Panel

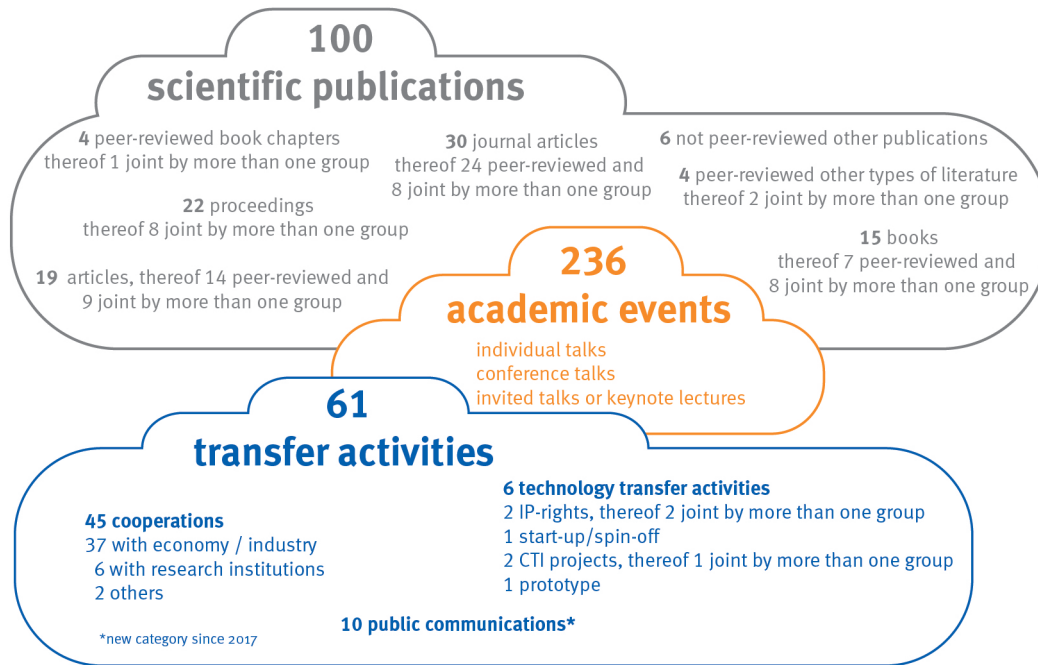
Prof. **Oliver Brock**, Institut für Technische Informatik und Mikroelektronik, TU Berlin, DE
Prof. **Mark Burry**, Smart Cities Research Institute, Hawthorn, AUS
Prof. **Rüdiger Dillmann**, Institut für Anthropomatik und Robotik, Karlsruhe Institut für Technologie, DE
Prof. **Gregor Engels**, Institut für Informatik, Universität Paderborn, DE
Prof. **Gerti Kappel**, Institut für Softwaretechnik und Interaktive Systeme, TU Wien, AT
Prof. **Hanif Kara**, Graduate School of Design, Harvard University, UK
Prof. **Wojciech Matusik**, MIT CSAIL, US
Prof. **Mette Ramsgaard Thomsen**, CITA, Det Kongelige Danske Kunstakademis Skoler, DK
Prof. **Petra von Both**, Karlsruher Institut für Technologie KIT, Karlsruhe, DE

Prof. **Anastasia Ailamaki** (Chair), SNF, Bern, CH
Prof. **Friedrich Eisenbrand**, SNF, Bern, CH
Prof. **Oscar Nierstrasz**, SNF, Bern, CH

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www.dfab.ch

Output Data
Data: since start



Key collaborations with third parties

Private and public sector

- Akzo Nobel AG, CH
- Arup Group, UK
- Autodesk Inc, US
- Bachmann Engineering AG, CH
- Boston Consulting Group, CH
- Bürgin Creations, CH
- EMPA, CH
- ERNE Holzbau AG, CH
- Frutiger AG, CH
- Hilti Corporation, AT
- Kerneos SA, FR
- Marti AG, CH
- Moog Inc, DE
- NOE Schalungstechnik GmbH, CH
- Peri GmbH, CH
- SACAC AG, CH
- Schlatter Industries AG, CH
- Seele Cover AG, DE
- Sika AG, CH
- Steiner AG,
- Zühlke AG, CH

Funding

Funding Source (CHF)	Total Phase 1 2014 – 2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	13'441'280	2'800'000	3'500'000	3'713'680	3'427'600	42
Self-funding from Home Institution ²	8'921'820	357'858	1'372'981	2'286'560	4'904'421	28
Self-funding from project participants	4'699'532	333'600	577'330	1'519'602	2'269'000	15
3rd party-funding	4'940'562			1'784'360	3'156'202	15
Total	32'003'194	3'491'458	5'450'311	9'304'202	13'757'223	100

¹ incl. 120% support-grant in 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	FR	ES	IT	AT	
Research associates ⁴	28	18	8	4	1	1	3	3	9
Doctoral students	23	48	3	3	1	1	0	2	13
Postdoctoral students	14	21	4	1	1	1	2	0	5
Senior researchers ⁵	25	8	9	3	4	2	0	0	8
Management ⁶	8.25	36	5	4	0	0	0	0	5
Other staff	4	0	3	0	0	0	0	0	1
Total	102.25	24	32	15	7	5	5	5	41

³ Persons involved in the NCCR in the last reporting period (12 months)

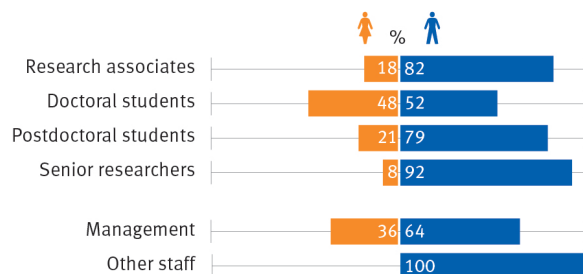
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

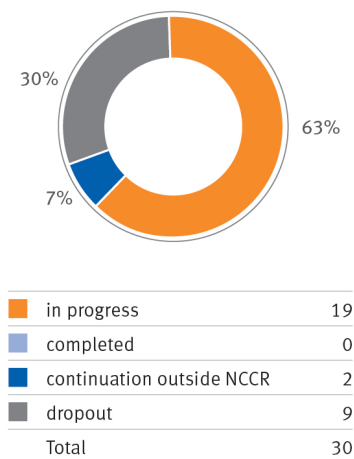
Gender in the NCCR

Data: current year



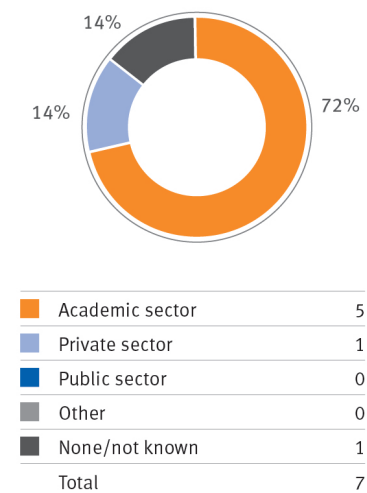
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR Kidney.CH

Kidney Control of Homeostasis

NCCR Director: Prof. Johannes Loffing
Home Institution: University of Zurich
Start date: 1st of August 2010 (3rd NCCR series)



Heads of Research Groups

Prof. **Felix Beuschlein**, Clinic for Endocrinology, Diabetology and Clinical Nutrition, University Hospital Zurich
Prof. **Murielle Bochud**, Institut Universitaire de Médecine Sociale et Préventive, Université de Lausanne
Prof. **Olivier Bonny**, Département de pharmacologie et de toxicologie, Université de Lausanne
Prof. **Olivier Devuyst**, Physiologisches Institut, Universität Zürich
Prof. **Sophie De Seigneux**, Département Physiologie cellulaire et métabolisme, Université de Genève
Prof. **Eric Feraille**, Département Physiologie cellulaire et métabolisme, Université de Genève
Prof. Daniel Fuster, Department of Nephrology and Hypertension, University Hospital Bern
Prof. **Andrew Hall**, Anatomisches Institut, Universität Zürich
Prof. **Edith Hummler**, Département de Pharmacologie et Toxicologie, Université de Lausanne
Prof. **Uyen Huynh-Do**, Departement Nephrologie / Hypertonie, Universitätsspital Bern
Prof. **Vartan Kurtcuoglu**, Physiologisches Institut, Universität Zürich
Prof. **Soeren Lienkamp**, Institute of Anatomy, University of Zurich
Prof. **Johannes Loffing**, Anatomisches Institut, Universität Zürich
Prof. **Carsten Wagner**, Physiologisches Institut, Universität Zürich
Prof. **Roland Wenger**, Physiologisches Institut, Universität Zürich

[Overview of all Research Projects](#)

Participating Institutions

Université de Genève (2 groups)/Université de Lausanne (3 groups)/Universität Zürich (8 groups)/Universitätsspital Bern (2 groups)

Members of the Review Panel

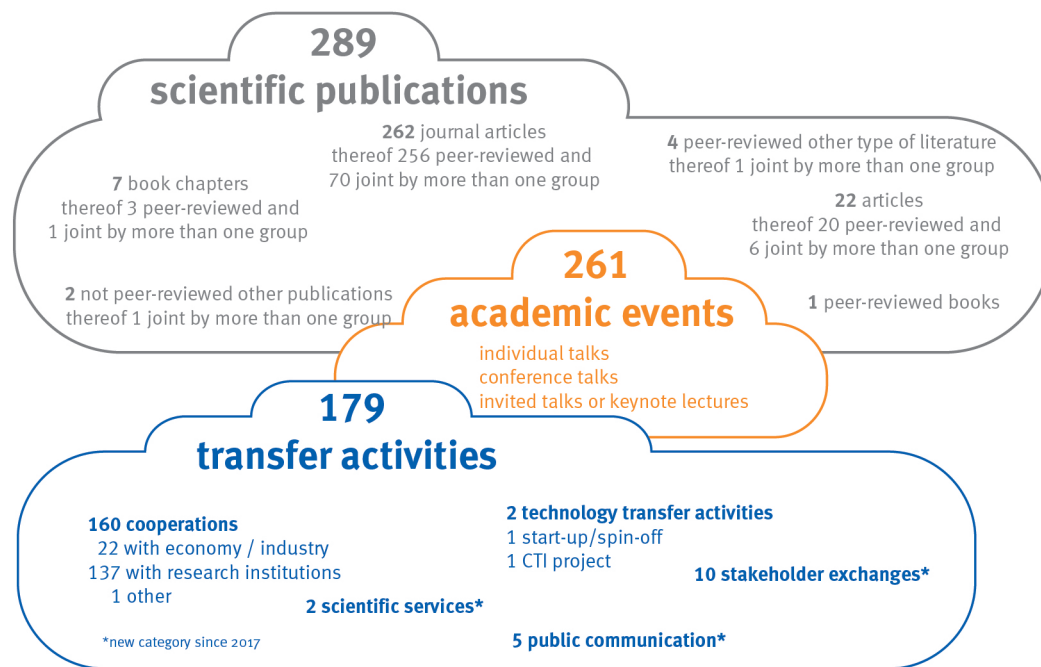
Prof. **Robert Alpern**, Yale School of Medicine, US
Prof. **Kai-Uwe Eckardt**, Nephrologie und Hypertensiologie, Universitätsklinikum Erlangen, DE
Prof. **Denis Fouque**, Hôpital Edouard Herriot and INSERM U1060; Université de Lyon, FR
Prof. **Armin Kurtz**, Institut für Physiologie, Universität Regensburg, DE
Prof. **Alicia A. McDonough**, Keck School of Medicine of USC, US
Prof. **David Pearce**, Medicine and Cellular and Molecular Pharmacology, University of California, US
Prof. **Jonathan Seckl**, Center Cardiovascular Science, The Queen's Medical Research Institute, UK
Prof. **Fabiola Terzi**, INSERM, Université de Paris, FR

Prof. **Nicolas Rodondi** (Chair), SNF, Bern, CH
Prof. **Michael O. Hottiger**, SNF, Bern, CH
Prof. **Markus Stoffel**, SNF, Bern, CH

Management/Coordination

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Scientific Project Manager
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www.nccr-kidney.ch

Output Data
Data: since start



Key collaborations with third parties

Academia

Academia
 Department of Physiology and Pharmacology, University of Salamanca, ES
 Dept. of Physiology, University College London, GB
 Division of Osteoporosis, University of Berne, CH
 Human Genetics Unit, Medical Research Council, Edinburgh, GB
 Institute of molecular bioscience, University of Tokyo, JP
 Institute of Physiology, Universität Tuebingen, DE
 Institute of Veterinary Physiology, University of Zurich, CH
 Internal Medicine, National Center of Integrative Biomedical Informatics, Ann Arbor, US
 Internal medicine, CHUV - Centre Hospitalier Universitaire Vaudois, Lausanne, CH
 Mineral metabolism clinic, Ut Southwestern Medical Centre, Dallas, TX, US
 NHLBI, Framingham Hear Study, US
 Oncology - Medical Imaging, University Hospital Zurich, CH

Private and public sector

Insphero AG, Zurich, CH
 Novartis, Basel, CH
 Calciscon AG, Bern CH

Funding

Funding Source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	16'530'000	16'556'362	4'518'915	4'402'000	4'411'447	3'224'000	67
Self-funding from Home Institution ²	2'168'316	5'094'079	1'133'042	1'017'346	1'320'092	1'623'599	20
Self-funding from project participants	5'271'515	3'245'745	981'759	748'689	720'778	794'519	13
3rd party-funding	146'955	9	2			7	0
Total	24'116'786	24'896'195	6'633'718	6'168'035	6'452'317	5'642'125	100

¹ incl. compensation for PhD salaries increase in 2014 and 120%-grant in 2016

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	FR	GB	IT	IN	
Research associates ⁴	4	50	2	1	0	0	0	1	0
Doctoral students	14	43	4	3	1	1	3	0	2
Postdoctoral students	8	38	0	1	3	1	0	1	2
Senior researchers ⁵	34	32	14	5	4	3	1	1	6
Management ⁶	4.08	56	6	2	1	0	0	0	0
Other staff	16	88	11	2	1	0	0	0	2
Total	80.08	48	37	14	10	5	4	3	12

³ Persons involved in the NCCR in the last reporting period (12 months)

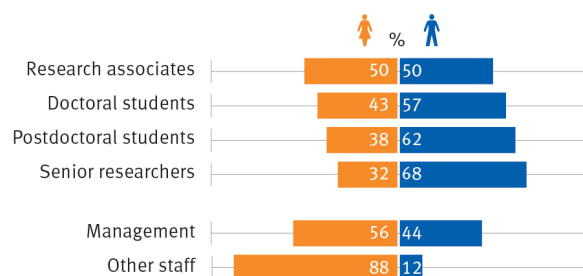
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

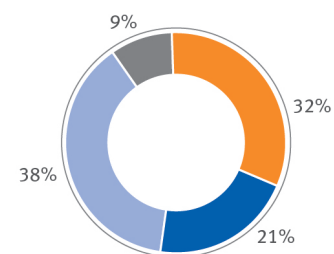
Gender in the NCCR

Data: current year



Training state of doctoral students

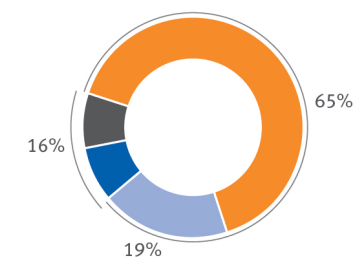
Data: since start



in progress	11
completed	7
continuation outside NCCR	13
dropout	3
Total	34

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	40
Private sector	12
Public sector	5
Other	0
None/not known	5
Total	62

NCCR LIVES

Overcoming vulnerability: life course perspectives

NCCR Director: Prof. Dario Spini, NCCR Co-Director: Prof. Eric Widmer
Home Institutions: University of Lausanne, University of Geneva
Start date: 1st of January 2011 (3rd NCCR series)



Heads of Research Groups

Prof. **André Berchtold**, Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. **Laura Bernardi**, Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. **Jean-Michel Bonvin**, Institut de socio-économie, Université de Genève
Prof. **Felix Bühlmann**, Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. **Matthias Kliegel**, Laboratoire du Vieillissement Cognitif, Université de Genève
Prof. **Rafael Lalive**, Département d'économétrie et d'économie politique, Université de Lausanne
Prof. **Nicky Le Feuvre**, Laboratoire de sociologie, Université de Lausanne
Prof. **Michele Pellizzari**, Département des Sciences Économiques, Université de Genève
Prof. **Gilbert Ritschard**, Institut d'études démographiques et du parcours de vie, Université de Genève
Prof. **Clémentine Rossier**, Institut de démographie et socioéconomie, Université de Genève
Prof. **Jérôme Rossier**, Laboratoire de psychologie du développement, conseil et Intervention, Université de Lausanne
Prof. **Dario Spini**, Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. **Eric Widmer**, Institut d'études démographiques et du parcours de vie, Université de Genève
Prof. **Hansjörg Znoj**, Institut für Psychologie, Universität Bern

[Overview of all Research Projects](#)

Participating Institutions

Universität Bern (1 group)/Université de Genève (6 groups)/Université de Lausanne (7 groups)

Members of the Review Panel

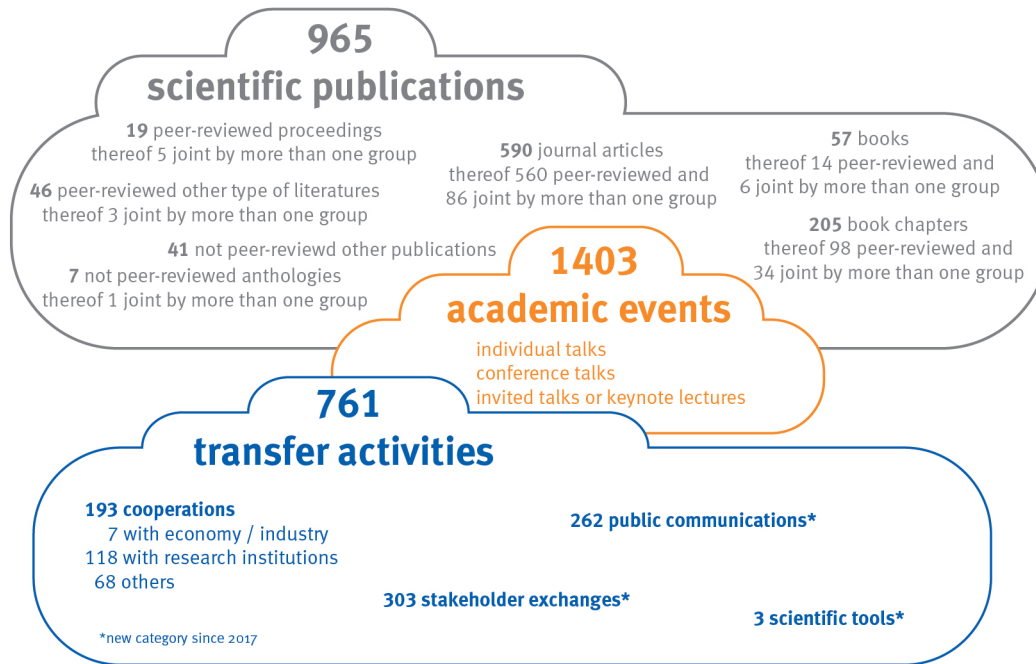
Prof. **Alain Chenu** (emerit.), Directeur de l'Observatoire sociologique du changement, Paris, FR
Prof. **Michael Eid**, Erziehungswissenschaften und Psychologie, Freie Universität Berlin, DE
Prof. **Jutta Heckhausen**, Department of Psychology and Social Behavior, University of California, Irvine, US
Prof. **François Héran**, Collège de France, Paris, FR
Prof. **Ingrid Schoon**, Department of Quantitative Social Science, Institute of Education, University of London UK
Prof. **Joan Miquel Verd Pericàs**, Departamento de Sociología, Univeristat Autònoma de Barcelona, ES

Prof. **Alexander Grob** (Chair), SNF, Bern, CH
Prof. **Uschi Backes-Gellner**, SNF, Bern, CH
Prof. **Jörg Rössel**, SNF, Bern, CH

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www.lives-nccr.ch

Output Data
Data: since start



Key collaborations with third parties

Academia

Institut National Etude Démographiques (INED), Paris, FR
 NCCR on the move, University of Neuchatel, CH
 Oregon State University, Center for Healthy Ageing Research and Hallie Ford Center for Healthy Children and Families, Corvallis, US
 Population Europe – Network of Europe’s leading demographic research centres, Berlin, DE
 Umeå University, Ageing and Living Conditions Programme, SE
 University College London, International Centre for Lifecourse Studies in Society and Health, UK
 University of Bremen, Institut für Soziologie, Bremen, DE
 University of Oslo, Centre of Gender Research, Oslo, NO
 University of Western Ontario, Department of Sociology, London, CA
 Vrije Universiteit Amsterdam, Amsterdam, NL

Private and public sector

Centre de compétence suisse en sciences sociales (FORS), Lausanne, CH
 Centre for Economic Policy Research, London, GB
 Département de la santé et de l’action sociale du Canton de Vaud, Lausanne, CH
 Départements des affaires régionales, de l’économie et de la santé du Canton de Genève, CH
 Fondation Leenards, Lausanne, CH
 German Institute for Economic Research, Department of German Socio-Economic Panel Study, Berlin, DE
 Organisation for Economic Co-operation and Development, Paris, FR
 Federal Social Insurance Office (OFAS), Bern, CH
 Pro Senectute Switzerland, Basel, Bern, Valais, Vaud, CH
 State Secretariat of Economic Affairs, Bern, CH

Funding

Funding Source (CHF)	Total Phase 1 2011 - 2014	Total Phase 2 2015 - 2018	2015	2016	2017	2018	Phase 2 %
SNSF-funding ¹	14'551'895	14'787'750	4'536'156	4'327'952	3'557'602	2'366'040	35
Self-funding from Home Institutions ²	5'636'219	14'067'497	3'279'265	3'103'830	3'561'741	4'122'661	33
Self-funding from project participants	13'721'239	12'843'581	3'230'016	3'146'078	3'259'467	3'208'020	30
3rd party-funding	5'440'407	924'910	168'901	248'081	271'227	236'701	2
Total	39'349'760	42'623'738	11'214'338	10'825'941	10'650'037	9'933'422	100

¹ incl. Mobility-grant in 2014 and 2015, compensation for PHD salaries increase in 2015 and 120% support-grant in 2015, 2016, 2017 and 2018

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	IT	CA	US	
Research associates ⁴	29	62	14	4	1	4	0	3	3
Doctoral students	33	79	18	2	2	2	2	0	8
Postdoctoral students	23	65	10	6	2	2	0	0	3
Senior researchers ⁵	81	41	48	9	8	5	1	1	12
Management ⁶	9.38	71	16	1	1	2	1	0	0
Other staff	32	78	22	5	1	2	1	0	1
Total	207.38	60	128	27	15	17	5	4	27

³ Persons involved in the NCCR in the last reporting period (12 months)

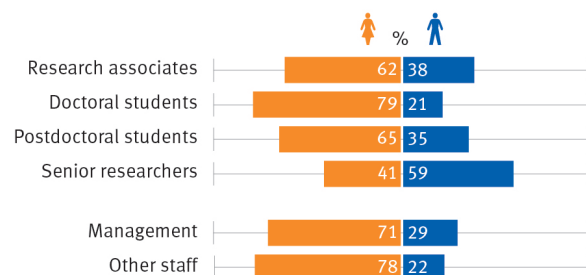
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

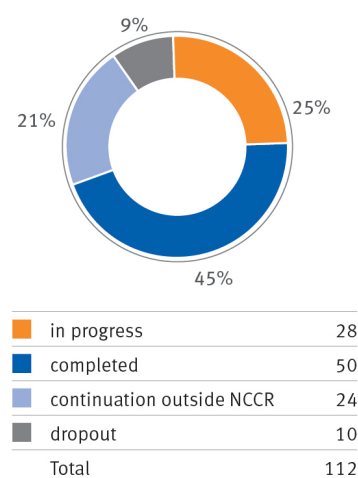
Gender in the NCCR

Data: current year



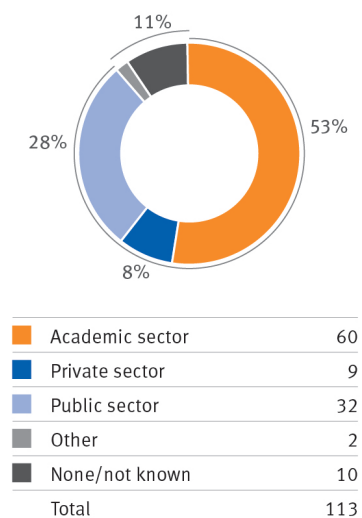
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR MARVEL

Materials' Revolution: Computational Design and Discovery of Novel Materials



NCCR Director: Prof. Nicola Marzari
Home Institution: EPFL
Start date: 1st May 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Ulrich Aschauer**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Michele Ceriotti**, Institut des matériaux, EPFL
Prof. **Clémence Corminboeuf**, Institut des sciences et ingénierie chimiques, EPFL
Prof. **William Curtin**, Institut de génie mécanique, EPFL
Prof. **Claude Ederer**, Departement Materialwissenschaft, ETH Zürich
Prof. **Roman Fasel**, Nanotech@surfaces, Empa Dübendorf
Prof. **Stefan Goedecker**, Departement Physik, Universität Basel
Prof. **Jürg Hutter**, Institut für Chemie, Universität Zürich
Prof. **Martin Jaggi**, Institut d'informatique et de communications, EPFL
Prof. **Michel Kenzelmann**, Laboratory for Neutron Scattering and Imaging, PSI Villigen
Dr. **Teodoro Laino**, IBM Research GmbH, Rueschlikon
Prof. **Mathieu Luisier**, Departement Informationstechnologie und Elektrotechnik, ETH Zürich
Prof. **Piero Macchi**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Nicola Marzari**, Institut des matériaux, EPFL
Dr. **Maria Luisa Medarde Barragan**, Laboratory for Scientific Developments and Novel Materials, PSI Villigen
Prof. **Frithjof Nolting**, Laboratory for Condensed Matter Physics, PSI Villigen
Prof. **Michele Parrinello**, Facoltà di scienze informatiche, Università della Svizzera Italiana, Lugano and Departement Chemie und Angewandte Biowissenschaften, ETH Zürich
Prof. **Alfredo Pasquarello**, Institut de physique, EPFL
Dr. **Daniele Passerone**, Nanotech@surfaces, Empa Dübendorf
Dr. **Daniele Pergolesi**, Materials Group, PSI Villigen
Dr. **Giovanni Pizzi**, Institut des matériaux, EPFL
Dr. **Marco Ranocchiari**, Laboratory for Synchrotron Radiation – Catalysis and Sustainable Chemistry, PSI Villigen
Prof. **Volker Roth**, Departement Mathematik & Informatik, Universität Basel
Prof. **Thomas Schulthess**, Centro Svizzero di Calcolo Scientifico (CSCS), Lugano and Institut für Theoretische Physik, ETH Zürich
Prof. **Ming Shi**, Laboratory for Condensed Matter Physics, PSI Villigen
Prof. **Berend Smit**, Institut des sciences et ingénierie chimiques, EPFL
Prof. **Alexey Soluyanov**, Physik-Institut, Universität Zürich
Prof. **Nicola Spaldin**, Departement Materialwissenschaft, ETH Zürich
Dr. **Urs Staub**, Laboratory for Condensed Matter Physics, PSI Villigen

Participating Institutions

Universität Basel (3 groups)/Universität Bern (2 groups)/Université de Fribourg (1 group)/Università della Svizzera Italiana (1 group)/Universität Zürich (2 groups)/EPFL (10 groups)/ETH Zürich (5 groups)/Centro Svizzero di Calcolo Scientifico (2 groups)/Empa (2 groups)/IBM Research GmbH (2 groups)/Paul Scherrer Institut (8 groups)

Members of the Review Panel

Prof. **Ali Alavi**, Max-Planck-Institut für Festkörperforschung, DE/
Department of Chemistry, University of Cambridge, UK
Prof. **Massimo Capone**, Scuola Internazionale Superiore di Studi Avanzati (SISSA), IT
Prof. **Angelos Michaelides**, Thomas Young Centre, London, UK
Prof. **Klaus-Robert Müller**, Machine Learning Group, TU Berlin, DE
Prof. **Shobhana Narasimhan**, Theoretical Sciences Unit, JNCASR, IN
Prof. **Mike Payne**, Theory of Condensed Matter Group, University of Cambridge, UK
Prof. **Christopher M. Wolverton**, Department of Materials Science & Engineering, Northwestern University, US

Prof. **Jan Carmeliet** (Chair), SNF, Bern, CH
Prof. **Katharina Fromm**, SNF, Bern, CH
Prof. **Alberto Morpurgo**, SNF, Bern, CH

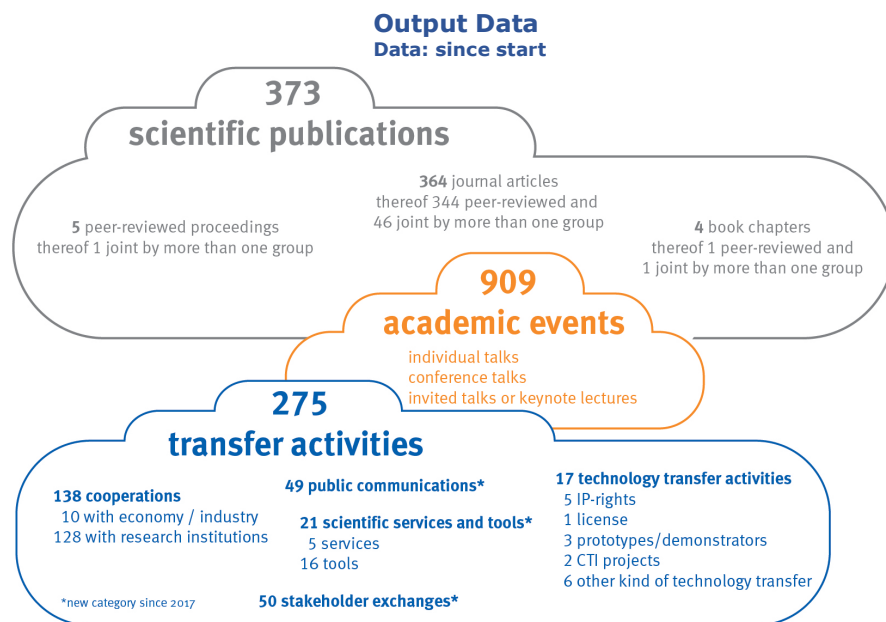
Management / Coordination

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 Dr. **Joost VandeVondele**, Centro Svizzero di Calcolo Scientifico (CSCS), Lugano
 Dr. **Claire Villevieille**, Electrochemistry Laboratory, PSI Villigen
 Prof. **Anatole von Lilienfeld**, Departement Chemie, Universität Basel
 Prof. **Philipp Werner**, Département de Physique, Université de Fribourg
 Prof. **Oleg Yazzyev**, Institut de physique, EPFL

Overview of all Research Projects



Key collaborations with third parties

Academia

- Centre Européen de Calcul Atomique et Moléculaire (CECAM), EPFL
- SCCER Heat & Electricity Storage, PSI, Villigen
- Platform for Advanced Scientific Computing (PASC)
- H2020 Flagship Human Brain Project, EPFL
- H2020 Flagship Graphene
- H2020 Centre of Excellence on Materials Design at the Exascale (MaX)
- H2020 European Materials Modelling Council (EMMC)
- H2020 Nanoscience Foundries & Fine Analysis (NFFA)
- H2020 MarketPlace
- H2020 Intersect
- Consorzio Interuniversitario CINECA, Bologna
- Psi-k
- Thomas Young Centre, London
- Max-Planck-EPFL Center for Molecular Nanoscience and Technology
- Quantum ESPRESSO Foundation, London
- Crystallography Open Database, Vilnius
- Simons Collaboration on the Many Electron Problem, Columbia University
- African School series on Electronic Structure Methods and Applications (ASESMA), Urbana
- Open Quantum Materials Database, Northwestern University

Private and public sector

- Varinor-Richemont, Delémont
- Material Phases Data System (MPDS), Vitznau
- Solvay, Bruxelles
- Robert Bosch Research and Technology Center, Cambridge MA

Funding

Funding Source (CHF)	Total Phase 1	2014	2015	2016	2017	Phase 1 %
	2014 – 2017					
SNSF-funding	18'000'000	5'250'000	4'390'000	4'200'000	4'160'000	39
Self-funding from Home Institution ¹	5'601'042	1'135'195	1'614'724	1'160'842	1'690'281	12
Self-funding from project participants	22'008'189	4'008'660	5'309'829	6'914'404	5'775'296	48
3rd party-funding	584'674	100'069	143'478	202'600	138'527	1
Total	46'193'905	10'493'924	11'458'031	12'477'846	11'764'104	100

¹ Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	DE	CN	FR	RU	
Doctoral students	53	19	10	8	7	2	3	1	23
Postdoctoral students	76	20	1	17	11	7	4	1	35
Senior researchers ³	73	15	20	18	6	4	3	6	17
Management ⁴	3.54	67	5	2	0	0	0	0	5
Other staff	15	87	1	5	1	3	0	1	4
Total	220.54	24	37	50	25	16	10	9	84

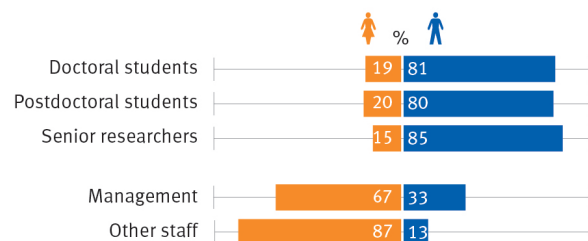
² Persons involved in the NCCR in the last reporting period (12 months)

³ Including leaders of the individual projects and other organisational units of the NCCR

⁴ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

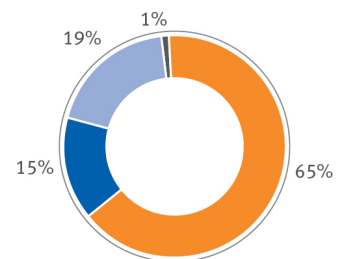
Gender in the NCCR

Data: current year



Training state of doctoral students

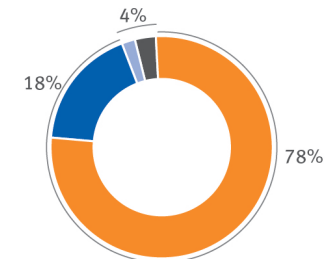
Data: since start



in progress	60
completed	14
continuation outside NCCR	18
dropout	1
Total	93

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	84
Private sector	19
Public sector	2
Other	0
None/not known	3
Total	108

NCCR MSE

Molecular Systems Engineering



NCCR Director: Prof. Thomas R. Ward, NCCR Co-Director: Prof. Daniel Müller
Home Institutions: University of Basel, ETH Zurich
Start date: 1st of July 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Yaakov Benenson**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Nikola Biller-Andorno**, Institut für Biomedizinische Ethik und Medizingeschichte, Universität Zürich
Prof. **Bruno Correia**, Institut of Bioengineering, EPFL
Prof. **Petra Dittrich**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Dimitrios Fotiadis**, Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. **Martin Fussenegger**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Catherine Housecroft**, Departement Chemie, Universität Basel
Dr. **Richard Kammerer**, Paul Scherrer Institut PSI, Villigen
Dr. **Emanuel Lörtscher**, IBM Research GmbH, Zürich
Prof. **Ivan Martin**, Departement Biomedizin, Universitätsspital Basel
Prof. **Stefan Matile**, Section Chimie et Biochimie, Université de Genève
Prof. **Marcel Mayor**, Departement Chemie, Universität Basel
Prof. **Wolfgang Meier**, Departement Chemie, Universität Basel
Prof. **Daniel Müller**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Michael Nash**, Departement Chemie, Universität Basel
Prof. **Cornelia Palivan**, Departement Chemie, Universität Basel
Prof. **Sven Panke**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Randall Platt**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Sai Reddy**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Botond Roska**, Neurobiologie, Friedrich Miescher Institut, Basel
Prof. **Hendrik Scholl**, Augenklinik, Universitätsspital Basel
Prof. **Florian Seebeck**, Departement Chemie, Universität Basel
Prof. **Christof Sparr**, Departement Chemie, Universität Basel
Prof. **Jörg Stelling**, Departement Biosystems Science and Engineering, ETH Zürich
Prof. **Konrad Tiefenbacher**, Departement Chemie, Universität Basel
Prof. **Viola Vogel**, Departement Gesundheitswissenschaften und Technologie, ETH Zürich
Prof. **Thomas R. Ward**, Departement Chemie, Universität Basel
Prof. **Oliver Wenger**, Departement Chemie, Universität Basel

[Overview of all Research Projects](#)

Participating Institutions

Universität Basel (10 groups)/Universität Bern (1 group)/Université de Genève (1 group)/Universität Zürich (1 groups)/EPFL (1 group)/ETH Zürich (9 groups)/Friedrich Miescher Institut (1 group)/IBM Research GmbH (1 groups)/Paul Scherrer Institut (1 group)/Universitätsspital Basel (2 groups)

Members of the Review Panel

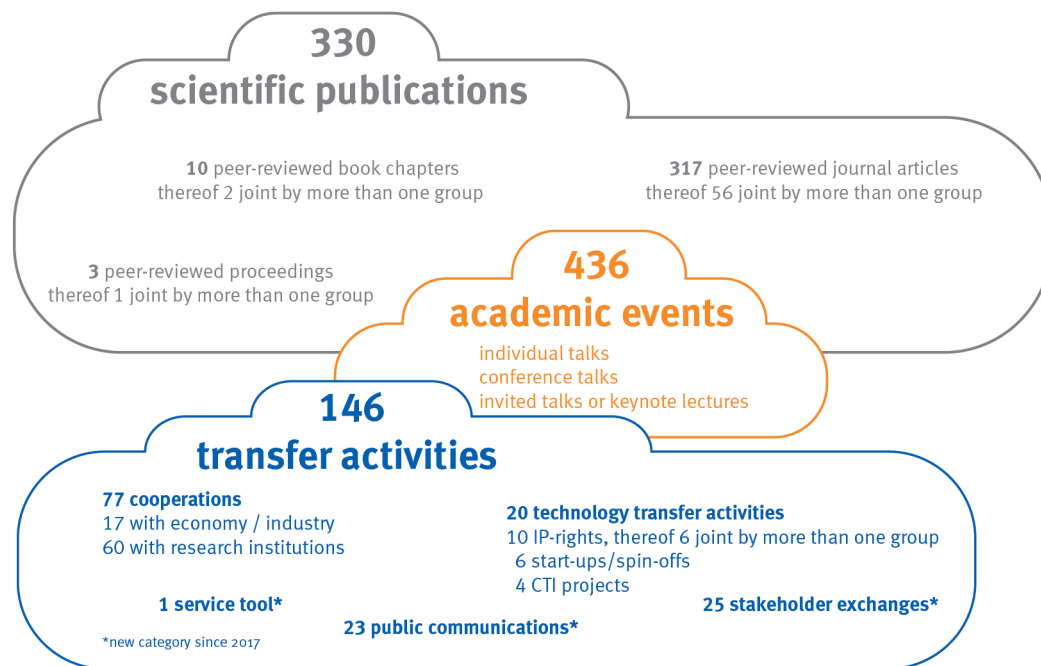
Prof. **Luisa De Cola**, Institut de Science et d'Ingénierie, Supramoléculaires, Université de Strasbourg, FR
Prof. **Wolfgang Knoll**, AIT Austrian Institute of Technology, AT
Prof. **Timothy K. Lu**, Department of Electrical Engineering and Computer Science, MIT Synthetic Biology Center, MIT, US
Prof. **Joachim P. Spatz**, Max-Planck-Institut für intelligente Systeme, DE
Prof. **Gregory Stephanopoulos**, MIT, US
Prof. **Gerhard Wegner**, Max-Planck-Institut für Polymerforschung, DE
Prof. **Tanja Weil**, Institut für Organische Chemie III, Universität Ulm, DE

Prof. **Philipp Rudolf von Rohr** (Chair), SNF, Bern, CH
Prof. **Bart Deplancke**, SNF, Bern, CH
Prof. **Isabelle Mansuy**, SNF, Bern, CH

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Output Data
Data: since start



Key collaborations with third parties

Academia

Bar-Ilan University, Ramat Gan, IL
 Delft University of Technology, Delft, NL
 Ecole Normale Supérieure, Paris, FR
 Harvard Medical School, Boston, US
 Institut de la Vision, Paris, FR
 Ludwig Maximilians-Universität, München, DE
 Max Planck Institute of Biophysics, Frankfurt, DE
 Mc Gill University, Montreal, CA
 Salk Institute for Biological Studies, La Jolla, US
 Scripps Research Institute, Jupiter, FL, US
 Stanford University, Stanford, US
 University of Pennsylvania, Pennsylvania, US
 University of Uppsala, Uppsala, SE
 Vienna University of Technology, Vienna, AT
 Weizmann Institute of Science, Rehovot, IL

Private and public sector

BASF, Basel, CH
 Deltamem, Muttenz, CH
 Huntsman, Basel, CH
 Nanosurf AG, Liestal, CH
 Novartis, Basel, CH
 Roche Diagnostics, Penzberg, DE

Funding

Funding Source (CHF)	Total Phase 1 2014 - 2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	16'927'600	4'225'000	4'225'000	4'238'800	4'238'800	51
Self-funding from Home Institutions ²	7'874'642	1'073'652	1'306'204	2'950'897	2'543'889	23
Self-funding from project participants	8'170'531	1'878'797	2'977'217	2'079'176	1'235'341	24
3rd party-funding	611'036	140'000	255'005	137'462	78'569	2
Total	33'583'809	7'317'449	8'763'426	9'406'335	8'096'599	100

¹ incl. 120%-grant in year 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	US	IT	CN	FR	
Research associates ³	1	0	0	0	0	0	0	0	1
Doctoral students	48	38	14	13	1	3	0	3	14
Postdoctoral students	21	19	2	4	2	1	4	1	7
Senior researchers ⁴	45	22	17	11	4	1	1	0	14
Management ⁵	5.56	42	7	4	1	1	0	0	1
Other staff	8	50	4	2	0	1	0	0	2
Total	128.56	30	44	34	8	7	5	4	39

² Persons involved in the NCCR in the last reporting period (12 months)

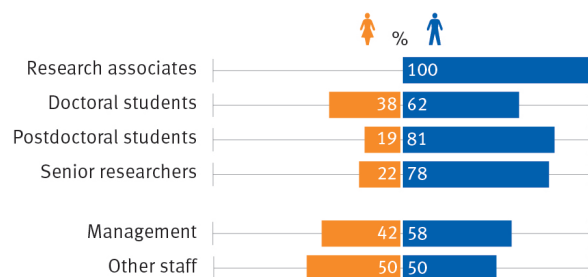
³ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

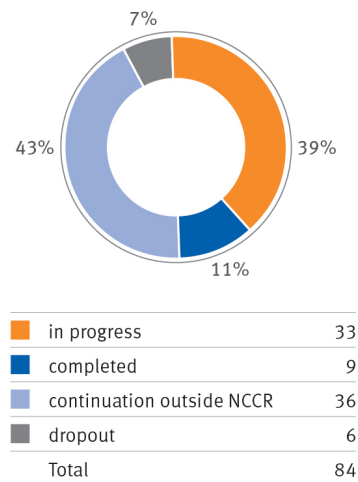
Gender in the NCCR

Data: current year



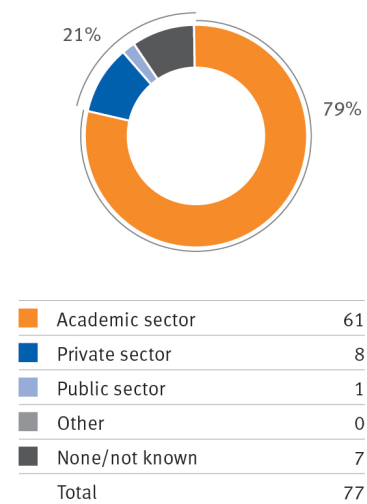
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR MUST

Molecular Ultrafast Science and Technology



NCCR Director: Prof. Ursula Keller, NCCR Co-Director: Prof. Thomas Feurer
Home Institutions: ETH Zurich, University of Bern
Start date: 1st July 2010 (3rd NCCR series)

Heads of Research Groups

Prof. **Natalie Banerji**, Département für Chemie und Biochemie, Universität Bern
Dr. **Paul Beaud**, Laboratory for Synchrotron Radiation – Condensed Matter, PSI Villigen
Prof. **Christoph Bostedt**, Laboratory for Femtochemistry, PSI Villigen/EPFL
Prof. **Andrea Cannizzo**, Institut für Angewandte Physik, Universität Bern
Prof. **Adrian Cavalieri**, PSI Villigen/Universität Bern
Prof. **Fabrizio Carbone**, Institut de Physique de la Matière Condensée, EPFL
Prof. **Majed Chergui**, Institut des Sciences et Ingénierie Chimiques, EPFL
Prof. **Thomas Feurer**, Institut für Angewandte Physik, Universität Bern
Prof. **Manfred Fiebig**, Department Materialwissenschaft, ETH Zürich
Prof. **Robert Häner**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Peter Hamm**, Physikalisch-Chemisches Institut, Universität Zürich
Prof. **Steve Johnson**, PSI Villigen/Institut für Quantenelektronik, ETH Zürich
Prof. **Ursula Keller**, Institut für Quantenelektronik, ETH Zürich
Prof. **Markus Meuwly**, Departement Chemie, Universität Basel
Prof. **Jacques-E. Moser**, Institut des Sciences et Ingénierie Chimiques, EPFL
Prof. **Jürg Osterwalder**, Physik-Institut, Universität Zürich
Prof. **Jeremy Richardson**, Laboratorium für Physikalische Chemie, ETH Zürich
Prof. **Ursula Röthlisberger**, Institut des Sciences et Ingénierie Chimiques, EPFL
Prof. **Ruth Signorell**, Laboratorium für Physikalische Chemie, ETH Zürich
Dr. **Urs Staub**, Laboratory for Synchrotron Radiation – Condensed Matter, PSI Villigen
Prof. **Jiri Vanicek**, Institut des Sciences et Ingénierie Chimiques, EPFL
Prof. **Jean-Pierre Wolf**, Groupe de Physique Appliquée, Université de Genève
Prof. **Hans Jakob Würner**, Laboratorium für Physikalische Chemie, ETH Zürich

[Overview of all Research Projects](#)

Participating Institutions

Universität Basel (1 group)/Universität Bern (5 groups)/Université de Genève (1 group)/Universität Zürich (2 groups)/EPFL (6 groups)/ETH Zürich (6 groups)/ Paul Scherrer Institut PSI (5 groups)

Members of the Review Panel

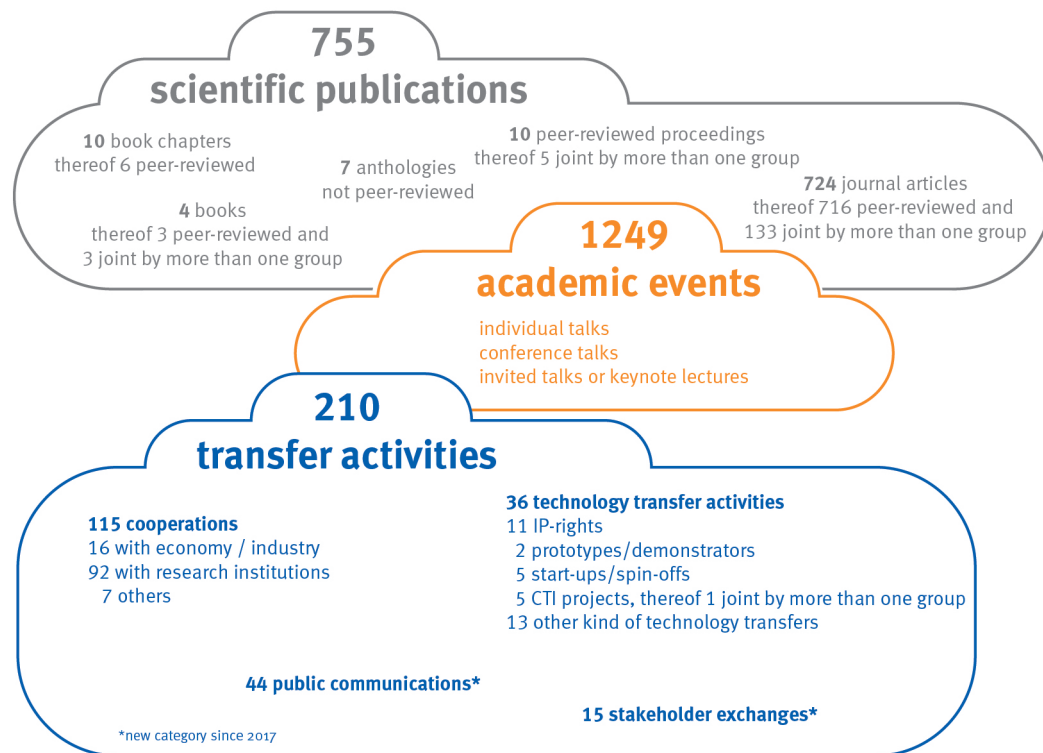
Prof. **Regina de Vivie-Riedle**, Department Chemie, Ludwig-Maximilians-Universität München, DE
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Prof. **Roger W. Falcone**, Physics Department, University of California, Berkeley, US
Prof. **Shaul Mukamel**, Department of Chemistry, University of California Irvine, US
Prof. **Anthony W. Parker**, Rutherford Appleton Laboratory, Harwell Science and Innovation, Oxfordshire, UK
Prof. **Villy Sundström**, Kemiska Institutionen, Lunds Universitet, SE
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Prof. **Samuel Leutwyler**, SNF, Bern, CH
Prof. **Frank Scheffold**, SNF, Bern, CH

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Output Data
Data: since start



Key collaborations with third parties

Academia

Cluster of Excellence – RESOLV, Bochum, DE
 Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, PL
 Physikalisches Institut, Albert-Ludwigs-Universität Freiburg, DE
 Combustion Research Facility, Sandia National Laboratories, Livermore, US
 Center for Physical Sciences and Technology, Institute of Physics, Vilnius, LT
 Department of Chemistry, Princeton University, NY, US
 Department of Chemistry, University of California, Irvine, US
 Institute of Applied Physics, KIT Karlsruhe, DE
 Stanford Linear Accelerator Center, Menlo Park CA, US
 Department of Physics, Imperial College London, UK
 Department of Chemistry, Massachusetts Institute of Technology, Cambridge, USA
 Graduate School of Advanced Integration Science, University of Chiba, JP
 Laboratory of Photonics and Interfaces, EPFL, CH
 Max-Planck-Institut für Physik Komplexer Systeme, Dresden, DE
 Max-Planck-Institut für Struktur und Dynamik der Materie/CFEL, Hamburg, DE
 Department of Chemistry, Copenhagen University, DK

Private and public sector

Bystronic, Niederoenz, CH
 Novartis, Basel, CH
 OneFive, Zürich, CH
 Rainbow Photonics AG, Zürich, CH
 Plair, Genève, CH
 AME GmbH, Bern, CH
 SThAR, Lausanne, CH
 Supercomputing Systems AG, Zürich CH
 Aekip SA, Saint Sulpice, CH

Funding

Funding Source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	17'790'000	17'380'768	4'971'842	4'470'000	4'471'800	3'467'126	42
Self-funding from Home Institutions ²	9'616'456	6'445'171	1'808'335	1'513'441	1'357'432	1'765'963	15
Self-funding from project participants	14'445'287	17'859'764	4'392'548	4'634'879	4'755'800	4'076'537	42
3rd party-funding	867'189	173'346	112'513	-39'167	100'000		1
Total	42'718'932	41'859'049	11'285'238	10'579'153	10'685'032	9'309'626	100

¹ incl. funding of transfer projects (strong Swiss franc package) in 2012, compensation for PhD salaries increase in 2014 and 120% support-grant in 2013, 2014, 2015, 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	FR	IN	GB	
Doctoral students	59	24	15	11	7	7	2	1	16
Postdoctoral students	49	29	3	12	5	7	7	1	16
Senior researchers ⁴	56	25	22	8	6	2	0	5	15
Management ⁵	3.34	56	7	1	0	0	0	1	1
Other staff	9	0	9	0	0	0	0	0	0
Total	176.34	26	56	32	18	16	9	8	48

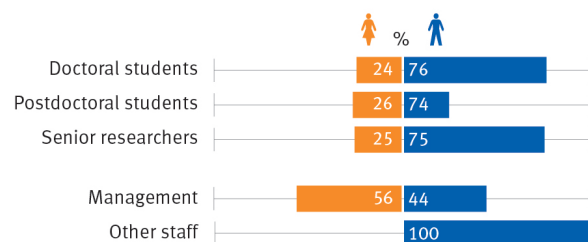
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

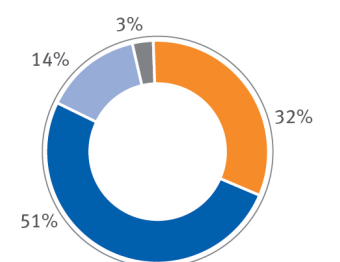
Gender in the NCCR

Data: current year



Training state of doctoral students

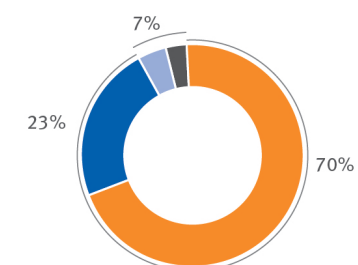
Data: since start



in progress	43
completed	71
continuation outside NCCR	20
dropout	4
Total	138

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	163
Private sector	54
Public sector	8
Other	1
None/not known	7
Total	233

NCCR On the Move

The Migration-Mobility Nexus

NCCR Director: Prof. Gianni D'Amato
Home Institution: University of Neuchâtel
Start date: 1st of June 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Christin Achermann**, Centre de droit des migrations, Université de Neuchâtel
Prof. **Joachim Blatter**, Politikwissenschaftliches Seminar, Universität Luzern
Prof. **Giuliano Bonoli**, Institut des hautes études en administration publique (IDHEAP), Université de Lausanne
Prof. **Eric Crettaz**, Haute école de travail social, HES-SO Genève
Prof. **Janine Dahinden**, Maison d'analyse des processus sociaux (MAPS), Université de Neuchâtel
Prof. **Gianni D'Amato**, Forum suisse pour l'étude des migrations et de la population (SFM), Université de Neuchâtel
Prof. **Juan Manuel Falomir-Pichastor**, Unité de psychologie sociale, Université de Genève
Prof. **Matteo Gianni**, Institut d'études de la citoyenneté, Université de Genève
Prof. **Fabrizio Gilardi**, Institut für Politikwissenschaft, Universität Zürich
Prof. **Eva Green**, Institut de psychologie, Université de Lausanne
Prof. **Dominik Hangartner**, London School of Economics, UK/ETH Zürich
Prof. **Wassilis Kassis**, Pädagogische Hochschule Fachhochschule Nordwestschweiz (FHNW)
Prof. **Stefanie Kurt**, Institut travail social, HES-SO Valais-Wallis
Prof. **Sandra Lavenex**, Département de science politique et relations internationales, Université de Genève
Prof. **Walter Leimgruber**, Seminar für Kulturwissenschaft und Europäische Ethnologie, Universität Basel
Prof. **Francesco Maiani**, Centre de droit comparé, européen et international, Université de Lausanne
Prof. **Anita Manatschal**, Forum suisse pour l'étude des migrations et de la population (SFM), Université de Neuchâtel
Prof. **Tobias Müller**, Institut d'économie et d'économétrie, Université de Genève
Prof. **Mihaela Nedelcu**, Institut de sociologie, Université de Neuchâtel
Prof. **Etienne Piguet**, Institut de géographie, Université de Neuchâtel
Prof. **Yvonne Riaño**, Institut de géographie, Université de Neuchâtel
Prof. **Alois Stutzer**, Wirtschaftswissenschaftliche Fakultät, Universität Basel
Prof. **Martina Viarengo**, Department of International Economics, Graduate Institute for International and Development Studies
Prof. **Philippe Wanner**, Institut de démographie et socioéconomie, Université de Genève
Prof. **Tania Zittoun**, Institut de psychologie et éducation, Université de Neuchâtel

[Overview of all Research Projects](#)

nccr →
on the move

National Center of Competence in Research—
The Migration-Mobility Nexus
nccr-onthemove.ch

Participating Institutions

Universität Basel (2 groups)/Université de Genève (5 groups)/Université de Lausanne (3 groups)/Universität Luzern (1 group)/Université de Neuchâtel (7 groups)/Universität Zürich (1 group)/ ETH Zürich (1 group)/ HES-SO Valais-Wallis (1 group)/HETS Genève (1 group)/Pädagogische Hochschule Fachhochschule Nordwestschweiz (1 group)/The Graduate Institute (1 group)

Members of the Review Panel

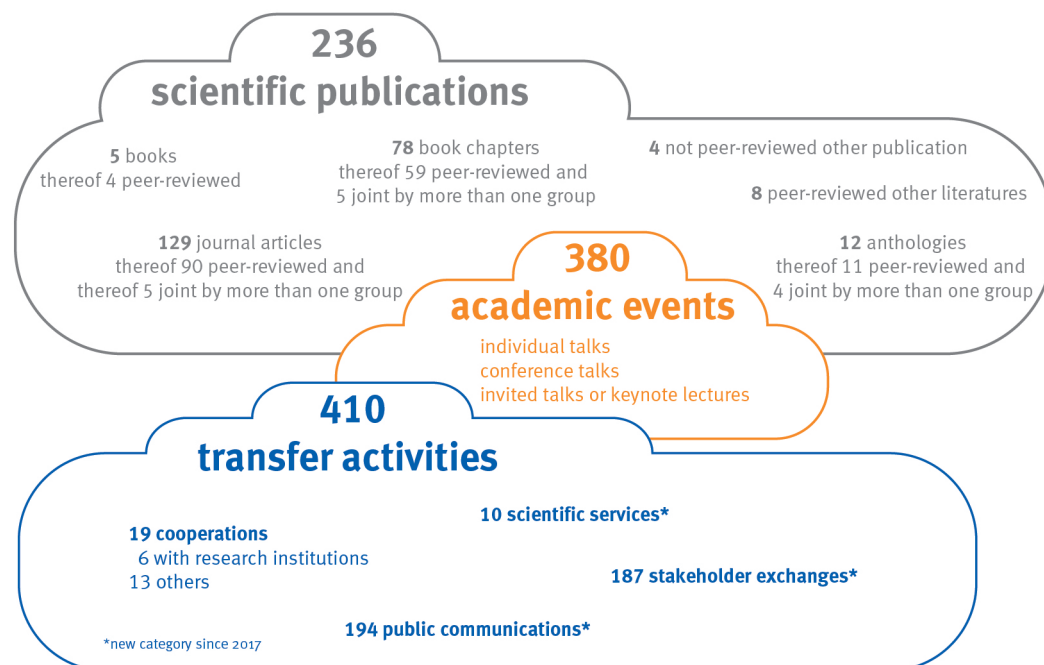
Prof. **Rupert Brown**, School of Psychology, University of Sussex, UK
Prof. **Ayse Caglar**, Institut für Kultur- und Sozialanthropologie, Universität Wien, AT
Prof. **Gil S. Epstein**, Department of Economics, School of Graduate Studies, Bar-Ilan University, IL
Prof. **Kulu Hill**, School of Geography & Geosciences, University of St. Andrews, UK
Prof. **Susan Martin**, Georgetown University, Washington, US
Prof. **Maarten Vink**, Faculty of Arts and Social Sciences, Maastricht University, NL
Prof. **Noel Salazar**, Faculty of Social Sciences IMMRC, KU Leuven, BE

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Output Data Data: since start



Key collaborations with third parties

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Center for the Study of Poverty and Social Justice, School for Policy Studies, University of Bristol, UK
 Center of Migration Research, University of Warsaw, PL
 Centre d'Études de l'Ethnicité et des Migrations (CEDEM), Université de Liège, BE
 Department of Politics, University of Sheffield, UK
 IMISCOE, Network of Scholars International Migration, Integration and Social Cohesion, Erasmus University Rotterdam, NL
 Institute for Advanced Studies in the Humanities, University of Edinburgh, UK
 Institute for Demographic Studies INED, Paris, FR
 Institute for the Study of Labor, Bonn, DE
 International and European Forum on Migration Research, Torino, IT
 Justus Liebig University Giessen, DE
 Maastricht Centre for Citizenship, Migration and Development, Maastricht University, NL
 Malmö Institute for Studies of Migration, Diversity and Welfare, SE
 Odysseus Network, Academic Network for Legal Studies on Asylum and Immigration in Europe, Malmö University, SE
 Radboud University Nijmegen, NL
 Southern Methodist University, Dallas, US

Private and public sector

Centre de compétence suisse en sciences sociales – FORS, Université de Lausanne, CH
 Centre suisse de compétence pour les droits humains CSDH, CH
 The Centre for European Policy Studies, Bruxelles, BE
 Commission fédérale pour les questions de migration (CFM), Wabern, CH
 Stiftung Mercator Schweiz, Zürich, CH
 Stiftung Stapferhaus Lenzburg, Lenzburg, CH
 International Labour Organization, Labour Migration Branch
 Office fédéral de la statistique, Neuchâtel, CH
 Secrétariat d'Etat aux migrations, Wabern, CH

Funding

Funding Source (CHF)	Total Phase 1 2014–2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	17'401'272	4'308'125	4'339'444	4'375'342	4'378'361	71
Self-funding from Home Institution ²	3'053'137	593'477	757'450	900'706	801'504	13
Self-funding from project participants	3'887'100	840'000	750'000	1'100'000	1'197'100	16
3rd party-funding	0	0	0	0	0	0
Total	24'341'509	5'741'602	5'846'894	6'376'048	6'376'965	100

¹ incl. Mobility-grant in 2014, 2016 and 2017 and 120% Support in 2015, 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	AT	ES	FR	
Research associates ⁴	16	56	14	2	0	0	0	0	1
Doctoral students	27	63	15	4	1	1	0	1	8
Postdoctoral students	21	71	5	6	5	1	1	0	3
Senior researchers ⁵	24	46	19	1	1	1	1	1	2
Management ⁶	7.80	63	18	3	3	0	1	2	0
Total	95.80	60	71	16	10	3	3	4	14

³ Persons involved in the NCCR in the last reporting period (12 months)

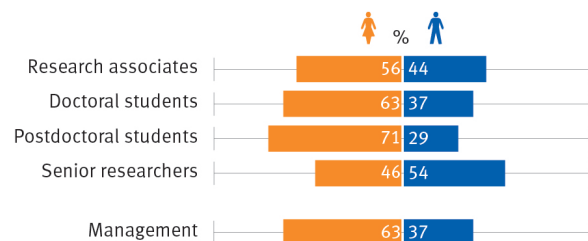
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

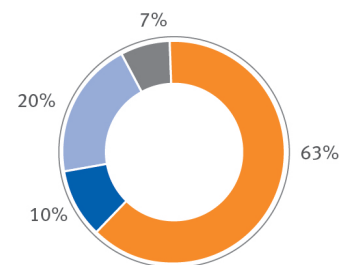
Gender in the NCCR

Data: current year



Training state of doctoral students

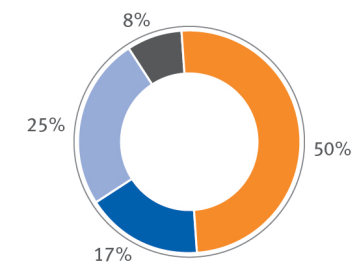
Data: since start



in progress	25
completed	4
continuation outside NCCR	8
dropout	3
Total	40

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	12
Private sector	4
Public sector	6
Other	0
None/not known	2
Total	24

NCCR PlanetS

Origin, Evolution and Characterisation of Planets



NCCR Director: Prof. Willy Benz, NCCR Co-Director: Prof. Stéphane Udry
Home Institutions: University of Bern, University of Geneva
Start date: 1st of June 2014 (4th NCCR series)

Heads of Research Groups

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Prof. **Willy Benz**, Physikalisches Institut, Universität Bern
Prof. **François Bouchy**, Observatoire, Université de Genève
Dr. **Henner Busemann**, Institut für Geochemie und Petrologie, ETH Zürich
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Prof. **Ingo Leya**, Physikalisches Institut, Universität Bern
Dr. **Christophe Lovis**, Observatoire, Université de Genève
Prof. **Lucio Mayer**, Institut für Computergestützte Wissenschaften, Universität Zürich
Prof. **Klaus Mezger**, Institut für Geologie, Universität Bern
Dr. **Christoph Mordasini**, Physikalisches Institut, Universität Bern
Prof. **Francesco Pepe**, Observatoire, Université de Genève
Dr. **Antoine Pommerol**, Physikalisches Institut, Universität Bern
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Prof. **Nicolas Thomas**, Physikalisches Institut, Universität Bern
Prof. **Stéphane Udry**, Observatoire, Université de Genève

Overview of all Research Projects

Participating Institutions

Universität Bern (2 groups)/Université de Genève (2 groups)/Universität Zürich (1 group)/ETH Zürich (2 groups)

Members of the Review Panel

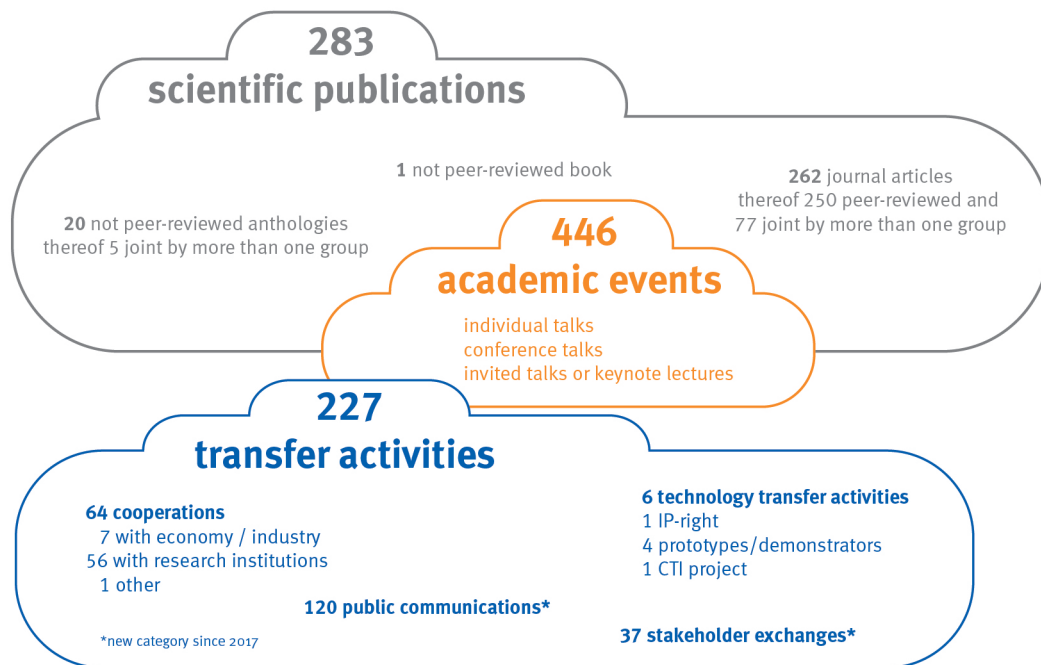
Prof. **Imke de Pater**, Department of Astronomy, University of California, Berkeley, US
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Prof. **Jamie Gilmour**, School of Earth, Atmospheric and Environmental Sciences, The University of Manchester, UK
Prof. **Lisa Kaltenegger**, Department of Astronomy, Cornell University, Ithaca, US
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Dr. **Larry R. Nittler**, Department of Terrestrial Magnetism, Carnegie Institution of Washington, US
Prof. **Ewine F. van Dishoeck**, Leiden Observatory, NL

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Prof. **Anna Fontcuberta i Morral**, SNF, Bern, CH
Prof. **Christoph Heinrich**, SNF, Bern, CH

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Output Data
Data: since start



Key collaborations with third parties

International Organisations / Agencies

European Space Agency (ESA)
European Southern Observatory (ESO)

Private and public sector

Burgergemeinde Zermatt
Swiss Museum of Transport

Funding

Funding Source (CHF)	Total Phase 1 2014–2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	17'654'539	4'400'000	4'400'000	4'400'000	4'454'539	52
Self-funding from Home Institutions ²	7'416'676	865'451	1'789'765	2'240'212	2'521'248	22
Self-funding from project participants	8'630'067	2'163'666	2'037'332	2'030'154	2'398'915	26
3rd party-funding	50'000				50'000	0
Total	33'751'282	7'429'117	8'227'097	8'670'366	9'424'702	100

¹ incl. 120% support grant in Year 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	GB	IT	US	
Research associates ⁴	1	0	1	0	0	0	0	0	0
Doctoral students	30	33	5	7	3	6	1	1	8
Postdoctoral students	39	23	5	9	5	2	4	3	12
Senior researchers ⁵	35	9	13	5	6	3	2	2	8
Management ⁶	9.38	41	25	2	3	1	2	0	4
Other staff	17	12	11	3	0	0	0	1	3
Total	131.38	24	60	26	17	12	9	7	36

³ Persons involved in the NCCR in the last reporting period (12 months)

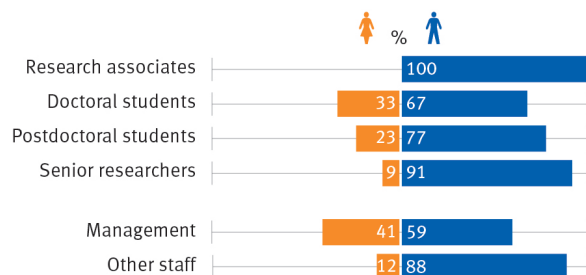
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

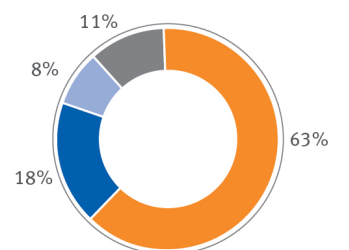
Gender in the NCCR

Data: current year



Training state of doctoral students

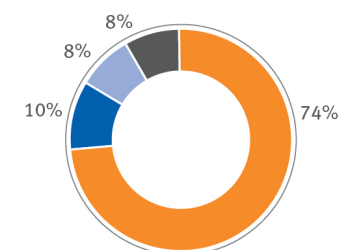
Data: since start



in progress	24
completed	7
continuation outside NCCR	3
dropout	4
Total	38

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	36
Private sector	5
Public sector	4
Other	0
None/not known	4
Total	49

NCCR QSIT

Quantum Science and Technology



NCCR Director: Prof. Klaus Ensslin, NCCR Co-Director: Prof. Richard Warburton
Home Institutions: ETH Zurich, University of Basel
Start date: 1st of January 2011 (3rd NCCR series)

Heads of Research Groups

Prof. **Johann Blatter**, Institut für Theoretische Physik, ETH Zürich
Prof. **Christoph Bruder**, Departement Physik, Universität Basel
Prof. **Nicolas Brunner**, Département de Physique Théorique, Université de Genève
Prof. **Christian Degen**, Laboratorium für Festkörperphysik, ETH Zürich
Prof. **Klaus Ensslin**, Laboratorium für Festkörperphysik, ETH Zürich
Prof. **Tilman Esslinger**, Institut für Quantenelektronik, ETH Zürich
Prof. **Jérôme Faist**, Institut für Quantenelektronik, ETH Zürich
Prof. **Anna Fontcuberta i Morral**, Laboratoire des matériaux semiconducteurs, EPFL
Dr. **Andreas Fuhrer**, IBM Research - Zürich
Prof. **Nicolas Gisin**, GAP-Optique, Université de Genève
Prof. **Jonathan Home**, Institut für Quantenelektronik, ETH Zürich
Prof. **Thomas Ihn**, Laboratorium für Festkörperphysik, ETH Zürich
Prof. **Atac Imamoglu**, Institut für Quantenelektronik, ETH Zürich
Prof. **Tobias Kippenberg**, Laboratoire de photonique et mesures quantiques, EPFL
Prof. **Jelena Klinovaja**, Departement Physik, Universität Basel
Prof. **Daniel Loss**, Departement Physik, Universität Basel
Prof. **Patrick Maletinsky**, Departement Physik, Universität Basel
Prof. **Alberto Morpurgo**, Département de physique de la matière quantique, Université de Genève
Prof. **Lukas Novotny**, Department Informationstechnologie und Elektrotechnik, ETH Zürich
Prof. **Martino Poggio**, Departement Physik, Universität Basel
Prof. **Renato Renner**, Institut für Theoretische Physik, ETH Zürich
Dr. **Gian Salis**, IBM Research - Zürich
Prof. **Christian Schönenberger**, Departement Physik, Universität Basel
Prof. **Philipp Treutlein**, Departement Physik, Universität Basel
Prof. **Andreas Wallraff**, Laboratorium für Festkörperphysik, ETH Zürich
Prof. **Richard Warburton**, Departement Physik, Universität Basel
Prof. **Werner Wegscheider**, Laboratorium für Festkörperphysik, ETH Zürich
Prof. **Stefan Willitsch**, Departement Chemie, Universität Basel
Prof. **Stefan Wolf**, Facoltà di Lugano, Scienze informatiche, Università della Svizzera italiana
Prof. **Vanessa Wood**, Department Informationstechnologie und Elektrotechnik, ETH Zürich
Prof. **Hugo Zbinden**, GAP-Quantum Technologies, Université de Genève
Prof. **Dominik Zumbühl**, Departement Physik, Universität Basel

[Overview of all Research Projects](#)

Participating Institutions

Universität Basel (10 groups)/Université de Genève (4 groups)/Università della Svizzera Italiana Lugano (1 group)/EPFL (2 groups)/ETH Zürich (13 groups)/IBM Research Laboratory Rüschlikon (2 groups)

Members of the Review Panel

Prof. **Alain Aspect**, Laboratoire Charles Fabry, Institut d'Optique, Palaiseau, FR
Prof. **Guenther Bauer**, Institut für Halbleiter- und Festkörperphysik, Universität Linz, AT
Prof. **Jacqueline Bloch**, C2N-CNRS and UPSud, Marcoussis, FR
Prof. **Elisabeth Giacobino**, Laboratoire Kastler Brossel, Université Pierre et Marie Curie, Paris, FR
Prof. **Leonid Glazman**, Department of Physics, Yale University, New Haven, US
Prof. **Moty Heiblum**, Braun Center for Submicron Research, Weizmann Institute of Science, IL
Prof. **Dieter Jaksch**, Clarendon Laboratory, University of Oxford, UK
Prof. **Elke Scheer**, Fachbereich Physik, Universität Konstanz, DE
Prof. **Gerd Schön**, Institut für Theoretische Festkörperphysik, Karlsruher Institut für Technologie, DE

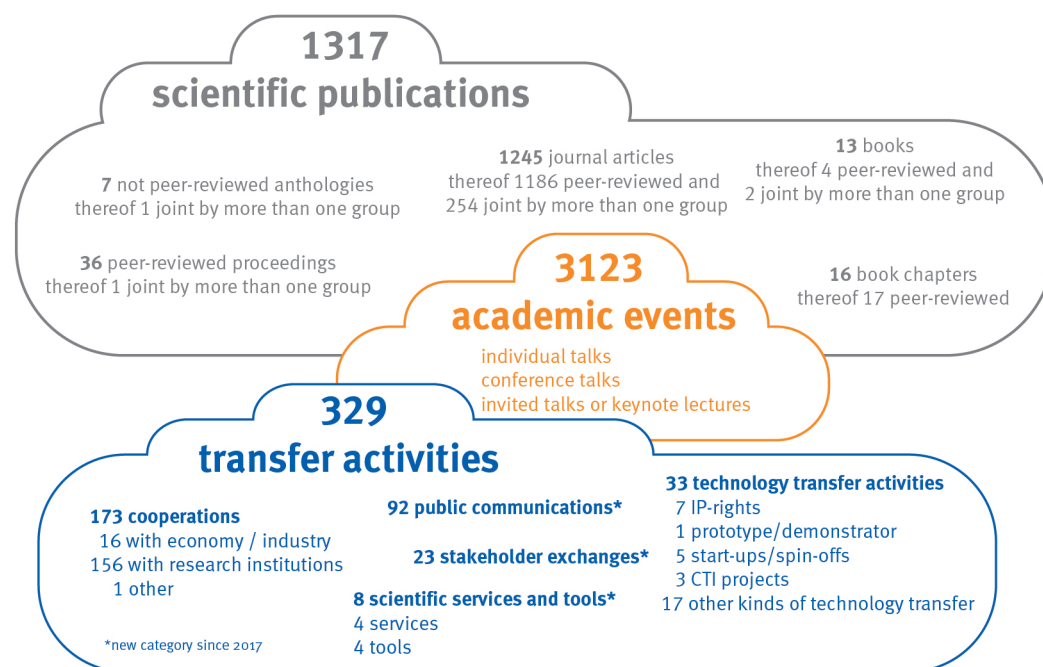
Prof. **Dirk van der Marel** (Chair), SNF, Bern, CH
Prof. **Christian Bernhard**, SNF, Bern, CH
Prof. **Friedrich Eisenbrand**, SNF, Bern, CH

Management/Coordination

Klara Berg
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NCCR QSIT
Laboratorium für Festkörperphysik
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Output Data

Data: since start



Key collaborations with third parties

Academia

L.D. Landau Institute of Theoretical Physics, RUS
 Keio University Yokohama, ITOH group, JP
 Instituto di Fotonica e Nanotecnologie, IT
 Dept. of Physics, National University, SIN
 Inst. für Theoretische Physik, University of Innsbruck, AT
 Ecole normale supérieure, FR
 Quantum optics laboratory, Harvard University, Cambridge, US
 Niels Bohr Institute, Copenhagen, DK
 Department of material science, Tohoku University, JP
 METAS Swiss Federal Office for Metrology, CH
 Département de Physique, Université de Sherbrooke, CAN
 Kavli Institute of NanoScience, Technische Universität Delft, NL
 Fachhochschule Nordwestschweiz, Muttenz, CH
 Stanford University, Stanford, US
 University of Texas, Austin, US
 California Institute of Technology, CALTECH, Pasadena, United States of America, Computing and Mathematical Sciences, US
 National Institute for Material Science, Tsukuba, JP
 NIST National Institute of Standards and Technology, Gaithersburg, US
 Princeton University, US
 University of Sydney, Australia
 University of California, Berkeley, US
 University of Oxford, UK

Private and public sector

Google, US
 Microsoft Corporation, US
 ID Quantique, CH
 Zurich Instruments, CH
 IBM, Yorktown Heights, US

Funding

Funding Source (CHF)	Total Phase 1 2011-2014	Total Phase 2 2015-2018	2015	2016	2017	2018	Phase 2 %
SNSF-funding ¹	17'301'437	20'691'916	5'602'451	5'412'924	4'939'327	4'737'214	31
Self-funding from Home Institutions ²	17'394'837	17'615'776	3'720'851	4'240'303	4'184'222	5'470'400	26
Self-funding from project participants	18'759'166	29'314'343	8'744'825	8'457'189	6'662'412	5'449'917	43
3rd party-funding	171'450	0	0	0	0	0	0
Total	53'626'890	67'622'035	18'068'127	18'110'416	15'785'961	15'657'531	100

¹ incl. funding of transfer projects (strong Swiss franc package) in 2012, compensation for PhD salaries increase in 2015 and 120% support-grant in 2014, 2015, 2016 and 2017.

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	FR	IN	US	
Doctoral students	72	17	22	15	5	2	3	2	27
Postdoctoral students	43	23	4	8	3	5	3	2	19
Senior researchers ⁴	51	8	17	14	4	3	0	2	12
Management ⁵	6.94	38	9	6	0	2	0	1	5
Other staff	15	13	7	5	0	0	0	0	3
Total	187.94	18	59	48	12	12	6	7	66

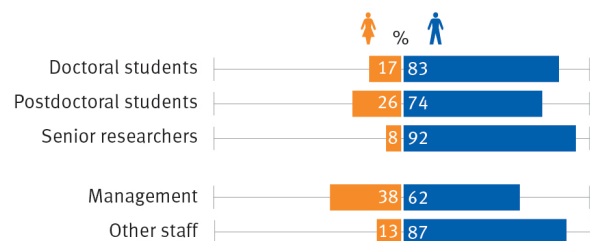
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

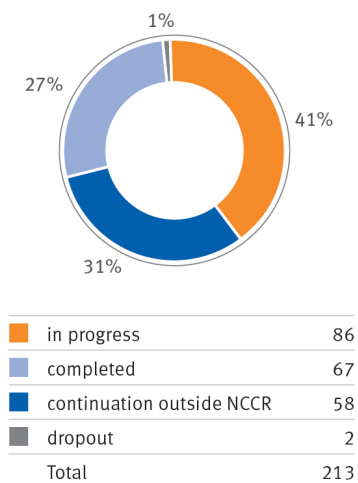
Gender in the NCCR

Data: current year



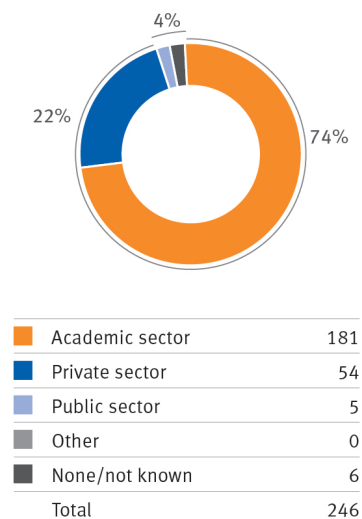
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR RNA & Disease

The Role of RNA in Disease Mechanisms



NCCR Director: Prof. Oliver Mühlemann, NCCR Co-Director: Prof. Frédéric Allain
Home Institutions: University of Bern, ETH Zurich
Start date: 1st of May 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Frédéric Allain**, Departement Biologie, ETH Zürich
Prof. **Nenad Ban**, Departement Biologie, ETH Zürich
Prof. **Marc Bühler**, Friedrich Miescher Institute for Biomedical Research, Basel
Prof. **Constance Ciaudo**, Departement Biologie, ETH Zürich
Dr. **Jeffrey Chao**, Friedrich Miescher Institute for Biomedical Research, Basel
Prof. **David Gatfield**, Faculté de biologie et de médecine, Université de Lausanne
Dr. **Helge Grosshans**, Friedrich Miescher Institute for Biomedical Research, Basel
Prof. **Jonathan Hall**, Departement Chemie und Angewandte Biowissenschaften, ETH Zürich
Prof. **Michael Hall**, Biozentrum, Universität Basel
Prof. **Martin Jinek**, Biochemisches Institut, Universität Zürich
Prof. **Rory Johnson**, Department for BioMedical Research, Universität Bern
Prof. **Stefanie Jonas**, Departement Biologie, ETH Zürich
Prof. **Ulrike Kutay**, Departement Biologie, ETH Zürich
Prof. **Sebastian Leidel**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Joachim Lingner**, Institut Suisse de Recherche Expérimentale sur le Cancer, EPFL
Prof. **Oliver Mühlemann**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Ana-Claudia Marques**, Département de Physiologie, Université de Lausanne
Prof. **Mariusz Nowacki**, Institut für Zellbiologie, Universität Bern
Prof. **Ramesh Pillai**, Département de biologie moléculaire, Université de Genève
Prof. **Norbert Polacek**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Magdalini Polymenidou**, Institut für Molekulare Biologie, Universität Zürich
Prof. **André Schneider**, Departement für Chemie und Biochemie, Universität Bern
Prof. **Markus Stoffel**, Departement Biologie, ETH Zürich
Prof. **Mihaela Zavolan**, Biozentrum, Universität Basel

Overview of all Research Projects

Participating Institutions

Universität Basel (2 groups)/Universität Bern (6 groups)/Université de Genève (1 group)/Université de Lausanne (2 groups)/Universität Zürich (2 groups)/EPFL (1 group)/ETH Zürich (7 groups)/Friedrich Miescher Institut FMI (3 groups)

Members of the Review Panel

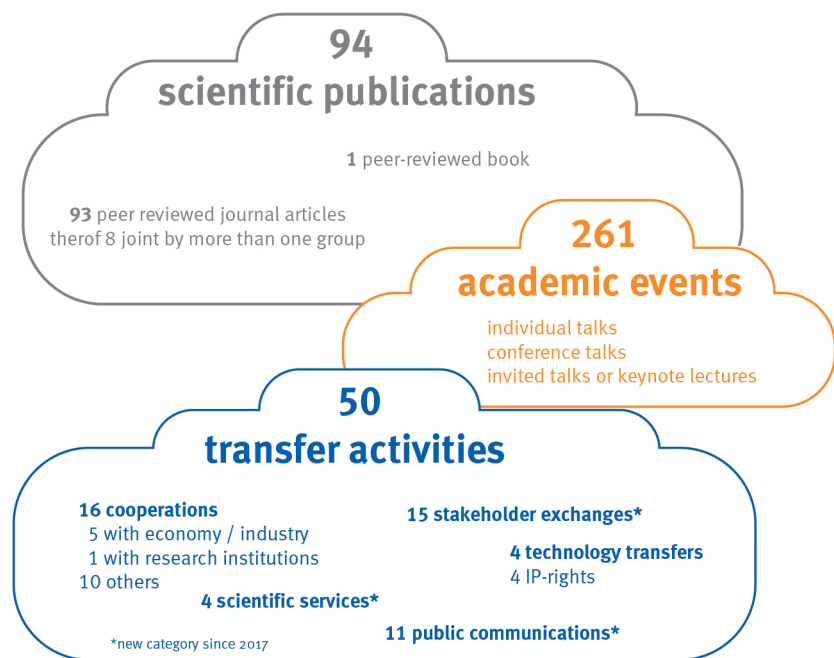
Prof. **Javier F. Caceres**, Institute of Genetics and Molecular Medicine, University of Edinburgh, UK
Prof. **Thomas A. Cooper**, Department of Pathology and Immunology, Baylor College of Medicine, US
Prof. **Bryan R. Cullen**, Department of Molecular Genetics and Microbiology, Duke University Medical Center, US
Prof. **Fátima Gebauer**, Centre for Genomic Regulation, Barcelona, ES
Prof. **Bertrand Séraphin**, IGBMC, CNRS, Illkirch, FR
Prof. **Maurice S. Swanson**, Department of Molecular Genetics and Microbiology, University of Florida, US

Prof. **Andreas Mayer** (Chair), SNF, Bern, CH
Prof. **Michael O. Hottiger**, SNF, Bern, CH
Prof. **Didier Trono**, SNF, Bern, CH

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Dr. Dominik Theler
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Universität Bern
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CH-3012 Bern
+41 31 631 38 12
www.nccr-rna-and-disease.ch

Output Data
Data: since start



Key collaborations with third parties

Academia

Swiss Reference Center for Porphyrias, Triemli Hospital, Zurich, CH
Institute for Research in Biomedicine, Università della Svizzera italiana, Bellinzona, CH

Private and public sector

Fondation Dufloateau, Zürich, CH
Hofmann-La Roche, Reinach, CH
Holcim Stiftung zur Förderung der wissenschaftlichen Forschung, Holderbank, CH
NOMIS Foundation, Samedan, CH
Novartis, Basel, CH
Promedica Stiftung, Chur, CH
Schweizerische Stiftung für die Erforschung der Muskelkrankheiten, SSEM, Cortaillod, CH
T3 Pharmaceuticals AG, Basel, CH
Cure spinal Muscular Atrophy nonprofit corporation, Novel, Illinois, USA
Research and development fund University of Basel, Basel, CH
Ruth & Arthur Scherbarth Stiftung, Bern, CH
Université de Genève, Genève, CH

Funding

Funding Source (CHF)	Total Phase 1 2014 – 2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	16'751'666	3'705'907	4'055'735	4'468'704	4'521'320	39
Self-funding from Home Institutions ²	13'304'343	1'817'886	2'939'658	3'278'256	5'268'543	31
Self-funding from project participants	10'850'903	2'594'173	2'588'078	2'624'945	3'043'707	25
3rd party-funding	1'872'692	266'769	515'843	567'027	523'053	5
Total	42'779'604	8'384'735	10'099'314	10'938'932	13'356'623	100

¹ incl. 120% support-grant in 2014, 2015, 2016 and 2017 and mobility-grant in 2015, 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IN	IT	FR	ES	
Doctoral students	56	46	20	7	3	6	3	5	14
Postdoctoral students	36	44	1	4	7	5	2	1	17
Senior researchers ⁴	52	27	12	9	3	3	6	0	20
Management ⁵	3.42	50	5	0	0	0	1	0	4
Other staff	39	69	14	5	3	2	3	1	11
Total	186.42	46	52	25	16	16	15	7	66

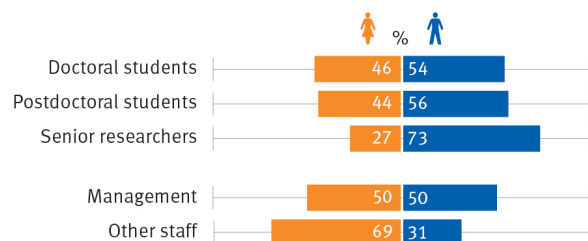
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

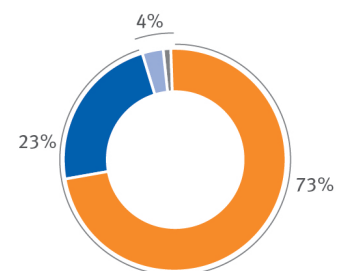
Gender in the NCCR

Data: current year



Training state of doctoral students

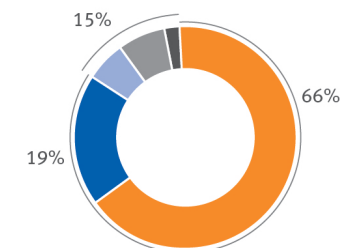
Data: since start



in progress	54
completed	17
continuation outside NCCR	2
dropout	1
Total	74

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	65
Private sector	19
Public sector	6
Other	7
None/not known	2
Total	99

NCCR Robotics

Intelligent Robots for Improving the Quality of Life



NCCR Director: Prof. Dario Floreano, NCCR Co-Director: Prof. Robert Riener
Home Institutions: EPFL, ETH Zurich (since 01.12.2014)
Start date: 1st of December 2010 (3rd NCCR series)

Heads of Research Groups

Prof. **Aude Billard**, Laboratory of Learning Algorithms and Systems (LASA), EPFL
Prof. **Margarita Chli**, Vision for Robotics Lab (V4RL), ETH Zürich
Prof. **Grégoire Courtine**, Chair in Spinal Cord Repair (IRP), EPFL
Prof. **Tobias Delbruck**, Institut für Neuroinformatik, Universität Zürich, ETH Zürich
Prof. **Pierre Dillenbourg**, Computer Human Interaction in learning and instruction (CHILI), EPFL
Prof. **Dario Floreano**, Laboratory of Intelligent Systems (LIS), EPFL
Prof. **Luca Gambardella**, Swiss AI Lab IDSIA (Istituto Dalle Molle di Studi sull'Intelligenza Artificiale), Manno
Prof. **Roger Gassert**, RELab, ETH Zürich
Prof. **Marco Hutter**, Robotics Systems Lab (RSL), ETH Zürich
Prof. **Auke Ijspeert**, BIORob, EPFL
Prof. **Stéphanie Lacour**, Laboratory for Soft Bioelectronic Interfaces (LSBI), EPFL
Prof. **Laura Marchal-Crespo**, ARTORG Center for Biomedical Engineering Research, Universität Bern
Prof. **Silvestro Micera**, Translational Neural Engineering Lab (TNE), EPFL
Prof. **José Millán**, DEFITECH Chair in Brain-Machine Interface CNBI, EPFL
Prof. **Francesco Mondada**, Laboratory of Robotics Systems (LSRO), EPFL
Prof. **Jamie Paik**, Reconfigurable Robotics Laboratory (RRL), EPFL
Prof. **Robert Riener**, Sensory Motor Systems Lab (SMS), ETH Zürich
Prof. **Davide Scaramuzza**, Robotics and Perception Group, Universität Zürich
Prof. **Roland Siegwart**, Autonomous Systems Lab (ASL), ETH Zürich

Heads of Associated Research Groups

Prof. **David Atienza**, Embedded Systems Laboratory (ESL), EPFL
Prof. **Ori Bar-Nur**, Laboratory of Regenerative and Movement Biology, ETH Zürich
Prof. **Olaf Blanke**, Cognitive Neuroscience Brain-Mind Institute (INCO), EPFL
Prof. **Hannes Bleuler**, Robotic Systems Lab (LSRO), EPFL
Prof. **Walter Karlen**, Mobile Health Systems Laboratory (MHSL), ETH Zürich

[Overview of all Research Projects](#)

Participating Institutions

Universität Bern (1 group)/Universität Zürich (2 groups)/
EPFL (13 groups)/ETH Zürich (7 groups)/IDSIA (1 group)

Members of the Review Panel

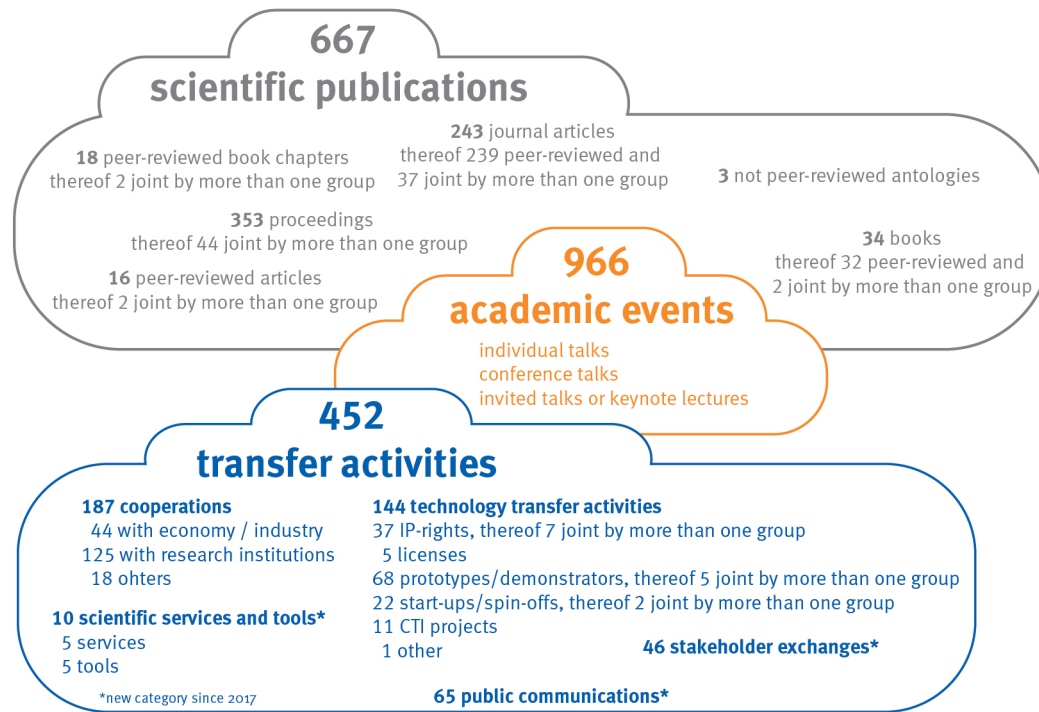
Prof. **Rüdiger Dillmann**, Institut für Anthropomatik und Robotik, Karlsruhe Institut für Technologie, DE
Prof. **Robert J. Full**, Department of Integrative Biology, University of California at Berkeley, US
Dr. **Martin Hägele**, Fraunhofer-Institut für Produktionstechnik und Automatisierung PIA, DE
Prof. **William Harwin**, Biological Sciences, University of Reading, UK
Prof. **Katherine J. Kuchenbecker**, Max-Planck-Institut für intelligente Systeme, Stuttgart, DE
Prof. **David J. Reinkensmeyer**, Biorobotics Laboratory, Department of Mechanical and Aerospace Engineering, University of California at Irvine, US
Prof. **Carme Torras**, Institut de Robòtica i Informàtica Industrial (CSIC-UPC), ES

Prof. **Katharina Fromm** (Chair), SNF, Bern, CH
Prof. **Lothar Thiele**, SNF, Bern, CH
Prof. **Dirk van der Marel**, SNF, Bern, CH

Management/Coordination

Dr. Jan Kerschgens, eMBA
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MED 1 1526, Station 9
CH-1015 Lausanne
+41 21 693 01 78
www.nccr-robotics.ch

Output Data
Data: since start



Key collaborations with third parties

Academia

Bioinformetric Millisystems Lab, UC Berkeley, USA
 Biorobotics Institute, SSSA, IT
 Delft Biorobotics Lab, TU Delft, NL
 DLR, Deutsches Zentrum für Luft- und Raumfahrt, DLR, DE
 Dynamic legged systems Lab, Advanced Italian Institute of Technology, Genova, IT
 IST, Lisbon TG
 NEUWalk (EU-FP7)
 Service de Gériatrie, Centre Hospitalier Universitaire Vaudois CHUV, Lausanne, CH
 Spinal Cord Injury Center, University Hospital Balgrist, Zürich, CH

Private and public sector

Clinique romande de réadaptation CRR,
 Schweizerische Unfallversicherungsanstalt SUVA, Sion, CH
 Hocoma AG, Volketswil, CH
 Inilabs GmbH, Zürich, CH
 Zürcher Höhenklinik Wald, Wald, CH

Funding

Funding source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	13'300'000	15'336'237	4'260'000	4'260'000	4'142'317	2'673'920	47
Self-funding from Home Institutions ²	6'126'703	12'157'037	1'595'124	3'084'655	4'159'790	3'317'468	38
Self-funding from project participants	10'387'838	4'853'150	1'329'456	1'660'090	850'549	1'013'055	15
3rd party-funding	115'360	0	0	0	0	0	0
Total	29'929'901	32'346'424	7'184'580	9'004'745	9'152'656	7'004'443	100

¹ incl. compensation for PhD salaries increase in 2014, 120% support-grant in 2017 and 2018 and mobility grant in 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	DE	FR	ES	CN	
Doctoral students	49	12	12	6	8	4	0	3	16
Postdoctoral students	12	17	0	0	0	1	0	1	7
Senior researchers ⁴	37	11	14	7	3	3	3	0	8
Management ⁵	5.78	58	7	1	2	1	1	0	2
Other staff	42	48	24	2	3	3	2	0	9
Total	145.78	26	57	19	16	12	6	4	43

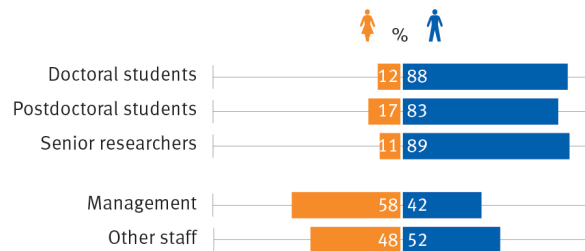
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

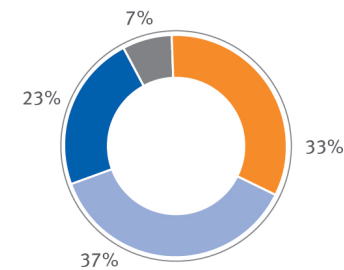
Gender in the NCCR

Data: current year



Training state of doctoral students

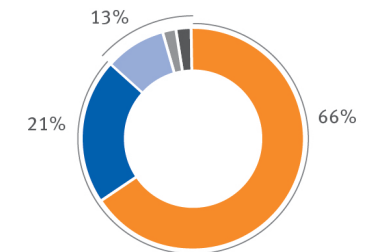
Data: since start



in progress	47
completed	53
continuation outside NCCR	33
dropout	10
Total	143

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	113
Private sector	37
Public sector	15
Other	3
None/not known	3
Total	171

NCCR SwissMAP

The Mathematics of Physics



NCCR Director: Prof. Stanislav Smirnov, NCCR Co-Director: Prof. Giovanni Felder
Home Institutions: University of Geneva, ETH Zurich
Start date: 1st of July 2014 (4th NCCR series)

Heads of Research Groups

Prof. **Anton Alekseev**, Section de Mathématiques, Université de Genève
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Prof. **Matthias Blau**, Institut für Theoretische Physik, Universität Bern
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Prof. **Wolfgang Lerche**, Theory Division, CERN
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Prof. **Tudor Ratiu**, Section de Mathématiques, EPFL
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Prof. **Julian Sonner**, Département de Physique Théorique, Université de Genève

Participating Institutions

Universität Bern (2 groups)/Université de Fribourg (1 group)/Université de Genève (15 groups)/Universität Zürich (5 groups)/EPFL (6 groups)/ETH Zurich (13 groups)/ CERN (3 groups)

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Heads of Research Groups (continued)

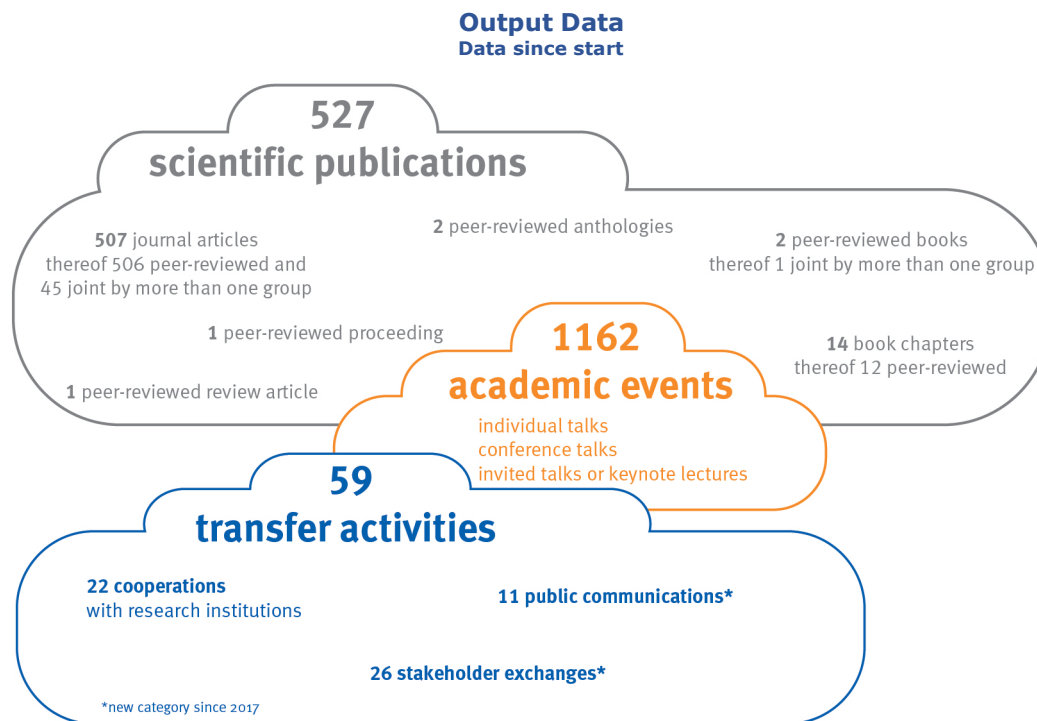
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 Prof. **Andras Szenes**, Section de Mathématiques, Université de Genève
 Prof. **Alain-Sol Sznitman**, Departement Mathematik, ETH Zurich
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 Prof. **Yvan Velenik**, Section de Mathématiques, Université de Genève
 Prof. **Maryna Viazovska**, Section de Mathématiques, EPFL
 Prof. **Alessandro Vichi**, Section de Physique, EPFL
 Prof. **Werner Werner**, Departement Mathematik, ETH Zurich
 Prof. **Thomas Willwacher**, Departement Mathematik, ETH Zurich
 Prof. **Peter Wittwer**, Section de Mathématiques, Université de Genève

[Overview of all Research Projects](#)

Key collaborations with third parties

Academia

Massachusetts Institute of Technology, US
 Columbia University, US
 Cornell University, US
 University of Chicago, US
 University of Michigan, US
 University of British Columbia, CA
 University of Toronto, CA
 Institut de Physique Théorique, CEA-Saclay, FR
 Université Paris-7, FR
 Université Claude Bernard Lyon 1, FR
 University of Cambridge, UK
 University of Oxford, UK
 University of Loughborough, UK
 University of Helsinki, FI
 Lund University, SE
 Technion - Israel Institute of Technology, IL
 Hebrew University of Jerusalem, IL
 HRI Allahabad, IN
 University of Chicago, US
 University of Michigan, US



Funding

Funding Source (CHF)	Total Phase 1 2014 - 2017	2014	2015	2016	2017	Phase 1 %
SNSF-funding ¹	11'209'000	2'300'000	2'900'000	3'000'000	3'009'000	39
Self-funding from Home Institutions ²	6'531'475	1'137'996	1'634'979	1'728'579	2'029'921	23
Self-funding from project participants	10'645'917	2'274'399	2'597'439	2'812'922	2'961'157	38
3rd party-funding	0	0	0	0	0	0
Total	28'386'392	5'712'395	7'132'418	7'541'501	8'000'078	100

¹ incl. mobility grant in year 2017

²Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	DE	RU	FR	CN	
Research associates ⁴	12	50	9	1	0	0	2	0	1
Doctoral students	85	19	17	13	12	10	4	4	27
Postdoctoral students	56	16	2	7	5	6	7	4	27
Senior researchers ⁵	82	9	19	18	10	8	5	2	27
Management ⁶	7.47	65	10	1	1	5	2	0	9
Other Staff	3	33	3	1	0	0	0	0	0
Total	245.47	20	60	41	28	29	20	10	91

³ Persons involved in the NCCR in the last reporting period (12 months)

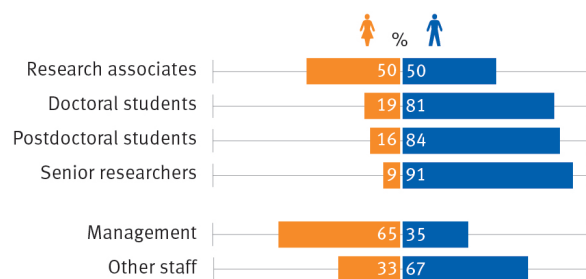
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

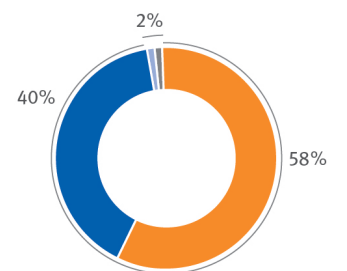
Gender in the NCCR

Data: current year



Training state of doctoral students

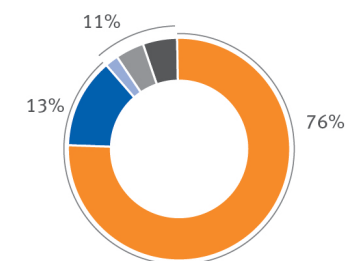
Data: since start



in progress	65
completed	45
continuation outside NCCR	1
dropout	1
Total	112

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	101
Private sector	19
Public sector	2
Other	5
None/not known	6
Total	133

NCCR SYNAPSY

The synaptic bases of mental diseases



NCCR Director: Prof. Alexandre Dayer, NCCR Co-Directors: Prof. Carmen Sandi and Prof. Philippe Conus
Home Institutions: University of Geneva, EPFL, University of Lausanne
Start date: 1st of October 2010 (3rd NCCR series)

Heads of Research Groups

Prof. **Jean-Michel Aubry**, Service de Psychiatrie générale et Programme troubles de l'humeur, HUG-Hôpitaux Universitaires de Genève
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Participating Institutions

Universität Basel/Friedrich-Miescher-Institut (1 group)/Université de Genève/HUG Genève (10 groups)/Université de Lausanne/CHUV Lausanne (9 groups)/EPFL (7 groups)

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Prof. **Helmut Kettenmann**, Max Delbrück-Centrum für Molekulare Medizin, Berlin, DE
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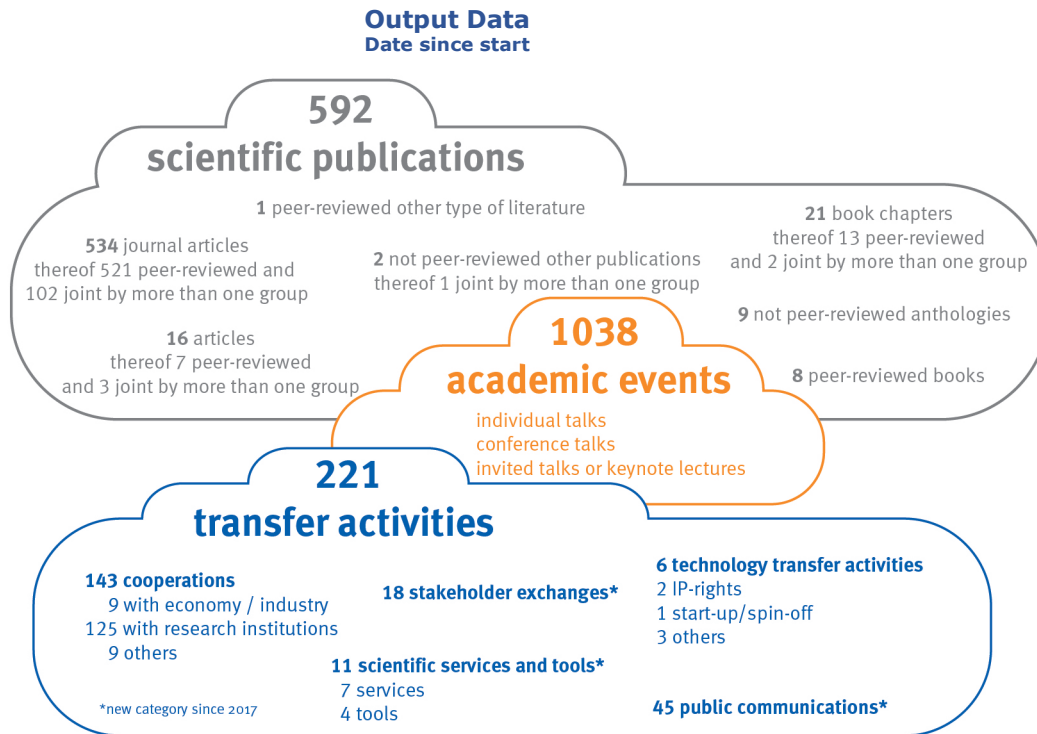
Prof. **Andrea Volterra**, Département des neurosciences fondamentales (DNF), CHUV-Université de Lausanne

[Overview of all Research Projects](#)

Key collaborations with third parties

Academia

- University of Pennsylvania, USA
- King's College London, UK
- Glasgow University, UK
- Albert Einstein College of Medicine Bronx, USA
- Columbia University, USA
- King's College London, UK
- North Carolina University, Chapel Hill, USA
- Mannheim, Germany
- NIMH, Bethesda, USA
- Laval University, Canada
- Munich University, Germany
- NeuroSpin, Paris, France
- McLean Hospital, Harvard, Boston, USA
- Sainte-Anne Hospital, Paris, France
- Simon Fraser University, Vancouver, Canada
- INSERM, Gif-sur-Yvette, France
- Mount Sinai, USA
- Radboud University, Nijmegen, The Netherlands
- Langone School of Medicine NYU, USA
- University of Oslo, Sweden



Funding

Funding Source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	17'513'890	17'540'743	4'662'000	4'662'000	4'705'983	3'510'760	32
Self-funding from Home Institutions ²	14'144'189	13'241'525	3'250'658	4'091'215	3'450'608	2'449'044	24
Self-funding from project participants	15'637'967	23'264'120	6'057'488	5'584'256	6'101'362	5'521'014	42
3rd party-funding	2'254'204	959'271	387'462	370'442	201'367	0	2
Total	49'550'250	55'005'659	14'357'608	14'707'913	14'459'320	11'480'818	100

¹ incl. compensation for PhD salaries increase in 2014 and 120% support grant in 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	IT	DE	US	ES	
Research associates ⁴	25	72	8	6	3	2	0	2	4
Doctoral students	29	59	7	6	4	3	0	1	9
Postdoctoral students	41	71	8	5	10	0	3	0	18
Senior researchers ⁵	77	36	40	11	11	4	3	1	13
Management ⁶	2.59	40	4	1	0	0	0	0	1
Other staff	52	83	30	7	3	4	0	1	7
Total	226.59	60	97	36	31	13	6	5	52

³ Persons involved in the NCCR in the last reporting period (12 months)

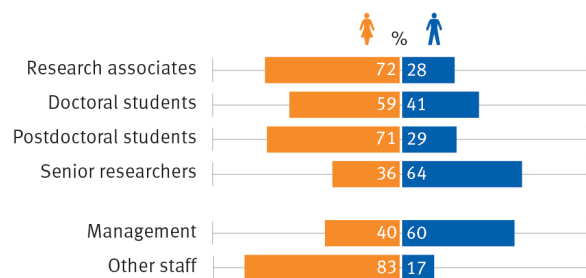
⁴ Includes graduate scientists (level master) but not registered as PhD students or undergraduate students participating in research projects.

⁵ Including leaders of the individual projects and other organisational units of the NCCR

⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

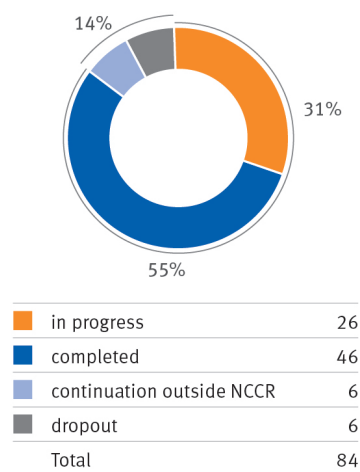
Gender in the NCCR

Data: current year



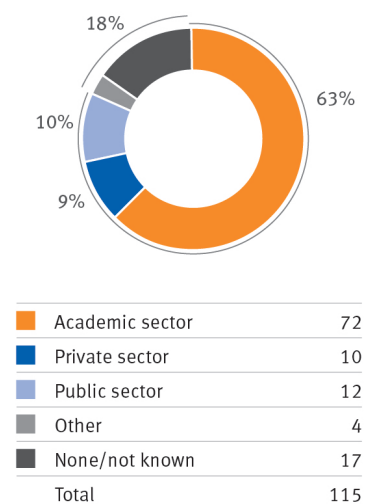
Training state of doctoral students

Data: since start



Next employer of doctoral and postdoctoral students

Data: since start



NCCR TransCure

From transport physiology to identification of therapeutic targets



NCCR Director: Prof. Hugues Abriel
Home Institution: University of Bern
Start date: 1st of November 2010 (3rd NCCR series)

Heads of Research Groups

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[Overview of all Research Projects](#)

Participating Institutions

Universität Basel (1 group)/Universität Bern (9 groups)/Université de Lausanne (2 groups)/ Universität Zürich (1 group)/ETH Zürich (2 groups)

Members of the Review Panel

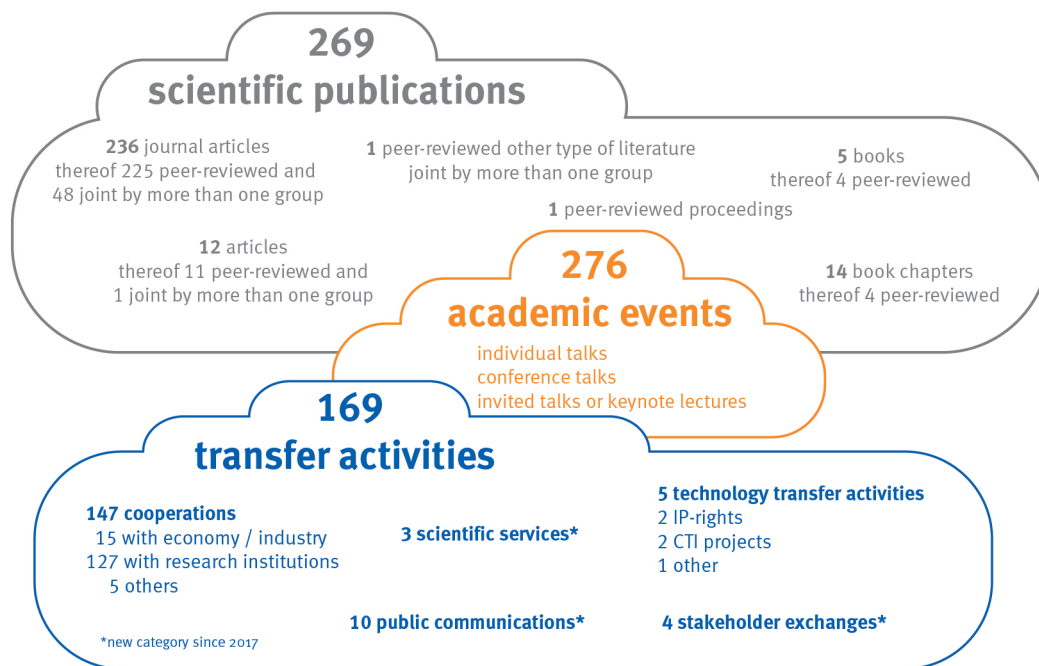
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Prof. **Susan Bates**, Center for Cancer Research, National Cancer Institute, US
Prof. **Dennis A. Dougherty**, Division of Chemistry and Chemical Engineering, California Institute of Technology, US
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Prof. **Da-Neng Wang**, Skirball Institute of Biomolecular Medicine, New York University School

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Output Data
Data since start



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 Computational Biomolecular Dynamics Group, MPI for Biophysical Chemistry, Göttingen, DE
 Inselspital, Urology department, Bern, CH
 Department of Biochemistry and Biophysics, Stockholm University, Stockholm, SWE
 University Hospital Lausanne, Department of Laboratory, Lausanne, CH
 Telethon Institute of Genetics and Medicine, TIGEM, Pozzuoli, IT
 Department of Pharmacology, University of Warwick, Coventry, GB
 Department of Physiology, Johns Hopkins University, Baltimore, US
 Department of Surgery & Cancer, Imperial College, London, GB
 Heart Institute, University of Ottawa, Ottawa, CA
 Institut du Thorax, Université de Nantes, Nantes, FR
 University of Guadalajara, University Center of Exact Sciences and Engineering, Guadalajara, MX
 Institute of Pharmacy, University of Regensburg, Regensburg, DE
 Membrane Research Group, Hungarian Academy of Sciences, Budapest, HU
 Division of Child Health, Obstetrics & Gynaecology, University of Nottingham, Nottingham, UK

Private and public sector

Dr. August Wolff GmbH, Bielefeld, DE
 Vifor Pharma, Villars-sur-Glâne, CH
 Scherbarth Foundation, Bern, CH
 Novartis, Basel, CH

Funding

Funding Source (CHF)	Total Phase 1 2010 - 2013	Total Phase 2 2014 - 2017	2014	2015	2016	2017	Phase 2 %
SNSF-funding ¹	14'187'092	11'764'160	3'029'000	3'041'000	2'835'560	2'858'600	40
Self-funding from Home Institution ²	4'590'667	4'422'593	1'114'234	1'106'675	949'063	1'252'621	15
Self-funding from project participants	13'846'209	12'413'219	2'809'941	3'116'910	3'293'064	3'193'304	43
3rd party-funding	335'080	654'772	106'259	34'404	171'675	342'434	2
Total	32'959'048	29'254'744	7'059'434	7'298'989	7'249'362	7'646'959	100

¹ incl. compensation for PhD salaries increase in 2014 and 120% support-grant in 2015, 2016 and 2017

² Personnel costs, equipment and consumables, not included infrastructure and basic equipment

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	DE	FR	IN	ES	
Doctoral students	28	50	11	2	2	5	2	1	6
Postdoctoral students	18	28	2	2	2	1	4	2	5
Senior researchers ⁴	41	17	17	9	4	3	0	0	11
Management ⁵	2.69	57	4	2	1	0	0	0	1
Other staff	28	79	17	5	2	1	0	1	3
Total	117.69	43	51	20	11	10	6	4	26

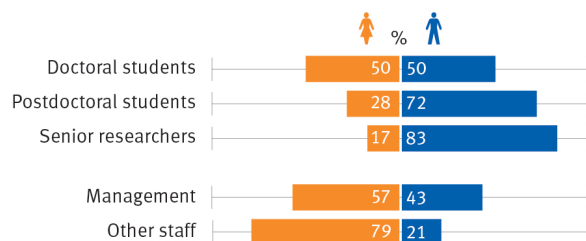
³ Persons involved in the NCCR in the last reporting period (12 months)

⁴ Including leaders of the individual projects and other organisational units of the NCCR

⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

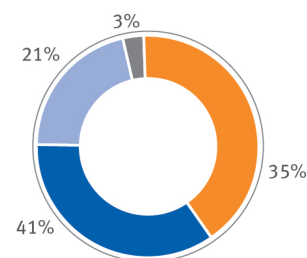
Gender in the NCCR

Data: current year



Training state of doctoral students

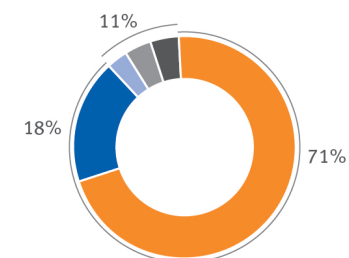
Data: since start



in progress	23
completed	27
continuation outside NCCR	14
dropout	2
Total	66

Next employer of doctoral and postdoctoral students

Data: since start



Academic sector	109
Private sector	28
Public sector	5
Other	6
None/not known	6
Total	154

Impressum

The brochure "Guide" presents an overview on the currently running NCCRs. The statistical data is based on the latest progress reports of the NCCRs submitted during 2018. It is updated every year and can be downloaded as a pdf on our website: www.snsf.ch/Publications

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