



Guide 2016

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 Call are terminated. For more information see www.snf.ch

2nd Call of NCCRs

Short Name	NCCR-Director	Home Institution	Starting date
Affective Sciences	Prof. David Sander	University of Geneva	September 1, 2005
Democracy	Prof. Daniel Kübler	University of Zurich	October 1, 2005
Iconic Criticism	Prof. Ralph Ubl	University of Basel	October 1, 2005
Mediality	Prof. Christian Kiening	University of Zurich	October 1, 2005
SESAM*	Prof. Jürgen Margraf	University of Basel	October 1, 2005
Trade Regulation	Prof. Manfred Elsig	University of Berne	September 1, 2005

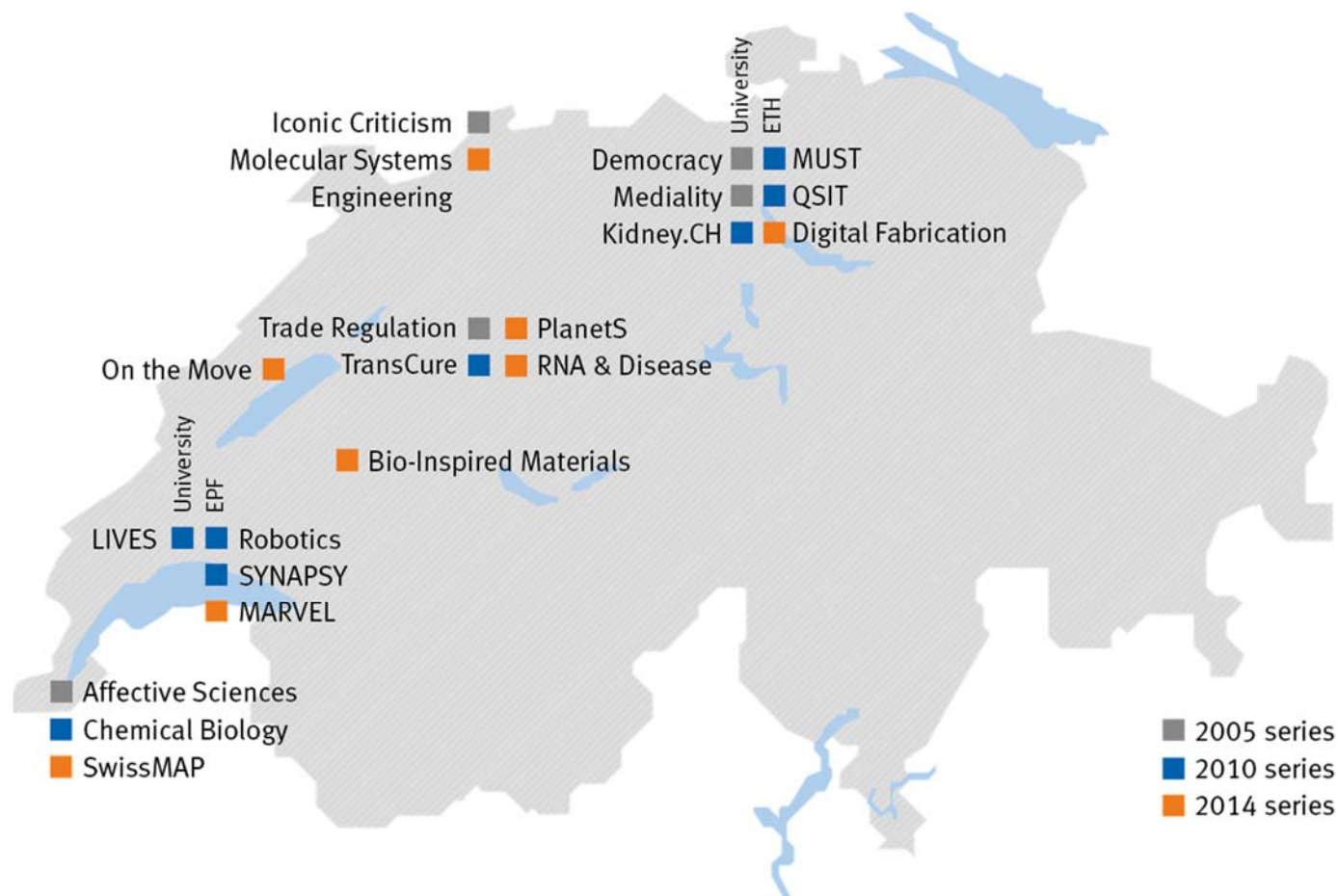
*Terminated in 2010

3rd Call of NCCRs

Short Name	NCCR-Director	Home Institution	Starting date
Chemical Biology	Prof. Howard Riezman	University of Geneva, EPF Lausanne	December 1, 2010
Kidney.CH	Prof. François Verrey	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 Berne	July 1, 2010
QSIT	Prof. Klaus Ensslin	ETH Zurich, University of Basel	January 1, 2011
Robotics	Prof. Dario Floreano	EPF Lausanne, ETH Zurich	December 1, 2010
SYNAPSY	Prof. Pierre Magistretti	EPF Lausanne, Universities of Lausanne and Geneva	October 1, 2010
TransCure	Prof. Hugues Abriel	University of Berne	November 1, 2010

4th Call of NCCRs

Short Name	NCCR-Director	Home Institution	Starting date
Bio-Inspired Materials	Prof. Christoph Weder	University of Fribourg	June 1, 2014
Digital Fabrication	Prof. Matthias Kohler	ETH Zurich	June 1, 2014
MARVEL	Prof. Nicola Marzari	EPF Lausanne	May 1, 2014
Molecular Systems Engineering	Prof. Wolfgang Meier	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 Berne, University of Geneva	June 1, 2014
RNA & Disease	Prof. Oliver Mühlemann	University of Berne, ETH Zurich	May 1, 2014
SwissMAP	Prof. Stanislav Smirnov	University of Geneva, ETH Zurich	July 1, 2014



2nd Call of NCCRs: Funding in phase 1, 2 and phase 3: 2013 - 2016

Funding source (CHF)	Phase 1	Phase 2	2013	2014	2015	2016	Phase 3 total
SNSF funding	40'300'000	41'790'000	8'266'535	7'755'956	6'699'710	5'611'000	28'333'201
Self-funding from Home Institutions	12'440'810	19'163'626	5'843'712	5'331'550	4'375'803	4'364'303	19'915'368
Self-funding from project participants	22'471'911	29'664'229	7'956'304	6'009'451	7'335'959	7'241'442	28'543'156
Third-party funding	3'908'090	5'895'190	1'578'645	1'548'812	655'000	694'030	4'476'487
Total	79'120'811	96'513'045	23'645'196	20'645'769	19'066'472	17'910'775	81'268'212

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	124'618'100	35'949'869	34'661'000	32'533'000	25'377'000	128'520'869
Self-funding from Home Institutions ¹	69'282'796	21'035'825	19'806'308	19'623'315	18'832'666	79'298'114
Self-funding from project participants	91'090'642	24'486'022	22'908'354	21'778'677	20'343'837	89'516'890
Third-party funding ²	3'163'425	215'820	143'748	137'511	132'000	629'079
Total	288'154'963	81'687'536	77'519'410	74'072'503	64'685'503	297'964'952

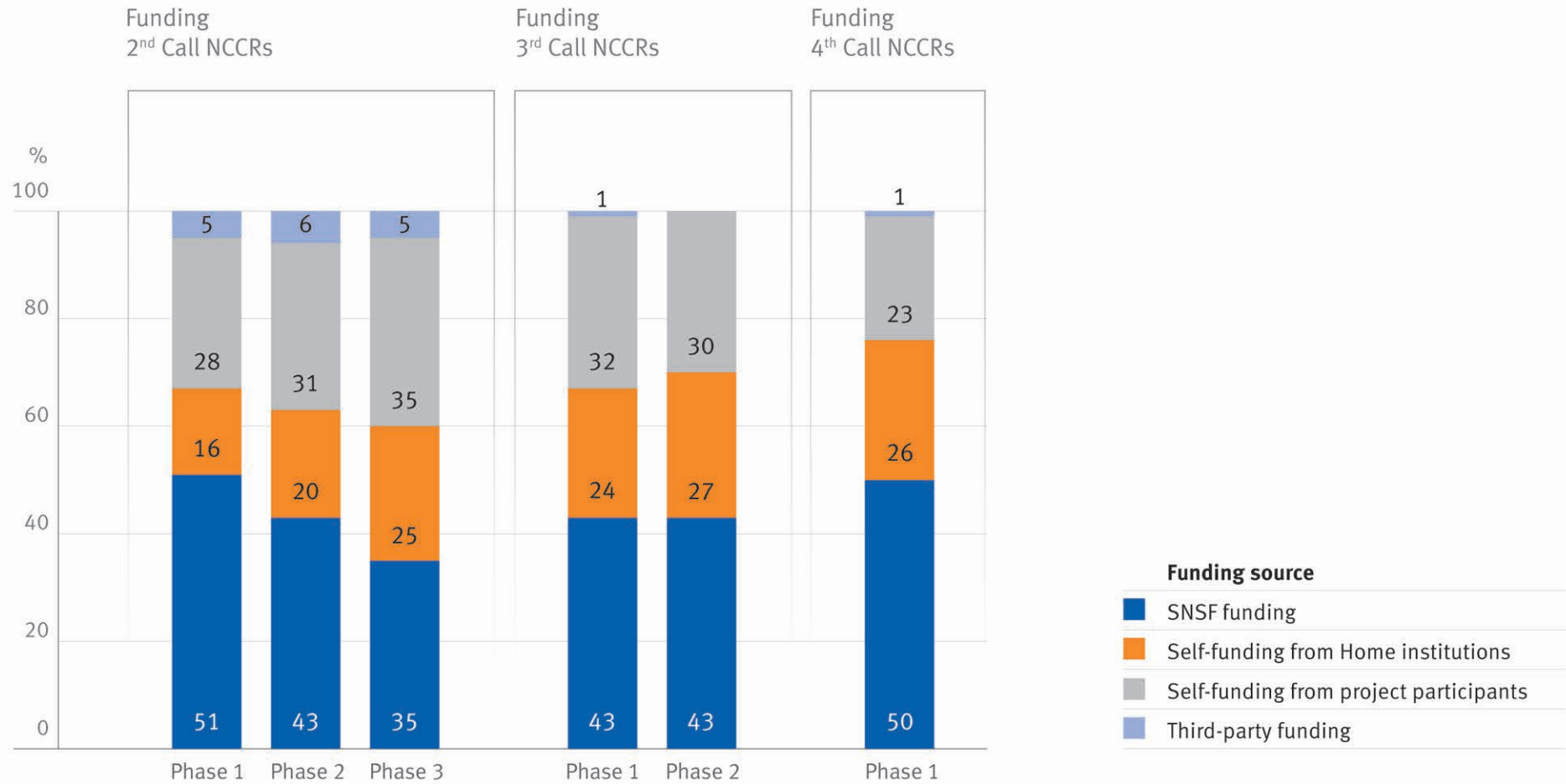
4th Call of NCCRs: Funding in phase 1: 2014 - 2017

Funding source (CHF)	2014	2015	2016	2017	Phase 1 total
SNSF funding	29'989'032	30'770'735	31'226'000	30'984'000	122'969'767
Self-funding from Home Institutions ¹	10'902'543	17'026'761	16'700'417	18'431'333	63'061'054
Self-funding from project participants	16'167'509	13'687'300	13'618'396	13'463'539	56'936'744
Third-party funding ²	1'019'243	421'382	140'000	160'000	1'740'625
Total	58'078'327	61'906'178	61'684'813	63'038'872	244'708'190

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)

2nd, 3rd and 4th Call of NCCRs

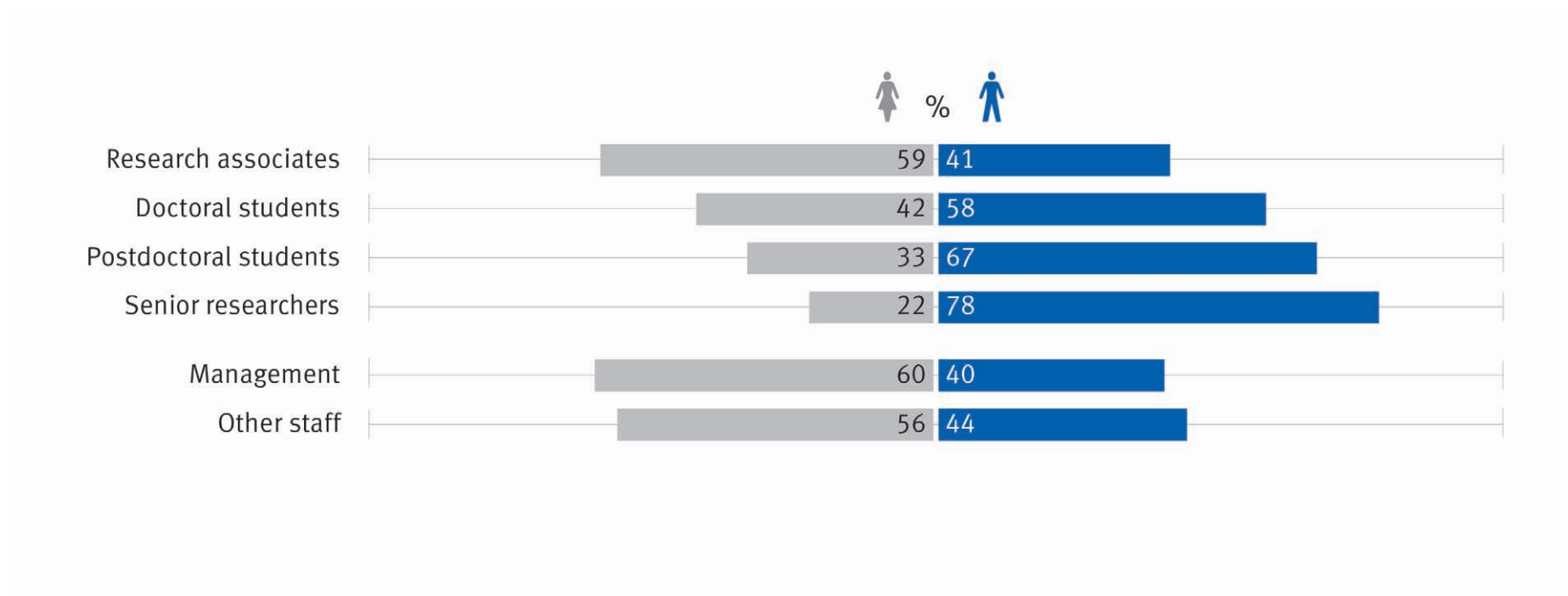
Personnel	Total of Persons	Female	Male	Swiss	Other nationalities
Research associates ¹	80	47	33	39	46
Doctoral students	693	293	400	242	473
Postdoctoral students	486	162	324	61	452
Senior researchers ²	660	143	517	295	408
Management	212.76 ³	184	123	160	131
Other staff	228	128	100	146	84
Total	2360	957	1'497	943	1'594

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 Affective Sciences

Emotion in Individual Behaviour and Social Processes

NCCR Director: Prof. David Sander
Home Institution: University of Geneva

Heads of Research Groups

Prof. Mireille Betranourt	TECFA-FPSE, Université de Genève
Prof. Fabrice Clement	Centre de sciences cognitives, Université de Neuchâtel
Prof. Arnaud D'Argembeau	Psychopathologie cognitive, Université de Liège
Prof. Julien Deonna	Faculté des Lettres, Université de Genève
Prof. Achim Elfering	Institut für Psychologie, Universität Bern
Prof. Ernst Fehr	Institut für Empirische Wirtschaftsforschung, Universität Zürich
Prof. Didier Grandjean	Faculté de Psychologie et des Sciences de l'Éducation, Université de Genève
Prof. Patrizia Lombardo	Faculté des Lettres, Université de Genève
Prof. Thierry Pun	Faculté des Sciences, Université de Genève
Prof. David Sander	Faculté de Psychologie et des Sciences de l'Éducation, Université de Genève
Prof. Sophie Schwartz	Faculté de Médecine, Centre Médical Universitaire, Genève
Prof. Marianne Schmid Mast	Département de Comportement Organisationnel, HEC, Université de Lausanne
Prof. Norbert Semmer	Institut für Psychologie, Universität Bern
Prof. Fabrice Teroni	Faculté des Lettres, Université de Genève
Prof. Franziska Tschann	Institut de Psychologie du Travail et des Organisations, Université de Neuchâtel
Prof. Martial van der Linden	Faculté de Psychologie et des Sciences de l'Éducation, Université de Genève
Prof. Patrik Vuilleumier	Faculté de Médecine, Centre Médical Universitaire, Genève

[Overview all Research Projects](#)

Participating Institutions

Universität Bern (2 groups)/Université de Genève (10 groups)/Université de Neuchâtel (2 groups)/Universität Zürich (1 group)/Université de Liège (1 group)/Université de Lausanne (1 group)

Output Data

Knowledge and technology transfer

1277 Publications
904 Peer-reviewed articles **12** Not peer-reviewed articles **38** Books articles
316 Anthology articles **7** Reports
1558 Presentations at congresses
332 Cooperations
18 Programmes **11** Private sector
271 Research institutions **32** Other
13 Transfer activities
13 Prototypes/processes

NCCR Address

NCCR Affective Sciences
Campus Biotech
Ch. des Mines 9
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www.affective-sciences.org

Members of the Review Panel

Prof. Fabrizio Butera (Chair), SNF, Bern, CH
 Prof. Susanna Burghartz, SNF, Bern, CH
 Prof. Margaret Clark, Department of Psychology, Yale University, US
 Prof. Gerald L. Clore, Department of Psychology, University of Virginia, US
 Prof. Ronald B. De Sousa (em.), Department of Philosophy, University of Toronto, CA
 Prof. David Konstan, Department of Classics, New York University, US
 Prof. Elizabeth A. Phelps, Department of Psychology, New York University, US
 Prof. Kurt Reusser, SNF, Bern, CH
 Prof. Pio Enrico Ricci Bitti, Dipartimento di Psicologia, Università di Bologna, IT
 Prof. Peggy A. Thoits, Department of Sociology, Indiana University, US

Key collaborations with third parties

Research Institutions

Knight Lab, Cognitive Neuroscience Research Laboratory, Berkeley University, US
 Department of Comparative Literature, University of Bergen, NO
 Department of Music, University of Jyväskylä, FI
 Department of Philosophy, University of Montreal, CA
 Department of Psychology, University of Wisconsin, US
 Department of Philosophy, University of Manchester, UK
 Faculty of Humanities, University of Oslo, NO
 School of Psychology, Cardiff University, UK
 Service de Neurologie, Université de Rennes, FR
 Faculty of Psychology and Educational Sciences, KU Leuven, BE

Economy / Others

Firmenich
 GfK Nürnberg, e.V.
 Nantys, Bern
 Fondation Montreux Jazz 2
 Musée International de la Croix-Rouge et du Croissant-Rouge, Genève
 Haute Ecole de Musique de Genève
 Muséum d'histoire naturelle de Neuchâtel
 Musée de l'Élysée, Lausanne
 Théâtre du Grütli, Genève
 Swissnex San Francisco et Swissnex Boston

Funding

Funding source (CHF)	Year 9	Year 10	Year 11	Year 12	Total Phase 3	%
SNSF-funding ¹	1'910'435	1'909'956	1'715'330	1'500'000	7'035'721	22
Self-funding from Home Institution ²	2'118'712	1'978'243	1'062'904	1'108'507	6'268'366	19
Self-funding from project participants	4'658'226	3'731'431	4'239'419	4'226'417	16'855'493	52
3rd party-funding	871'627	1'402'152	0	0	2'273'779	7
Total	9'559'000	9'021'782	7'017'653	6'834'924	32'433'359	100

¹ SNSF Funding incl. mobility grant in Year 9, 10 and 11

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

Persons involved

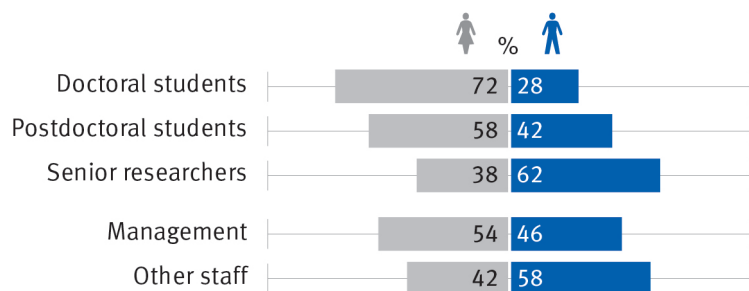
Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	IT	BE	GB	
Doctoral students	54	72	25	10	3	2	1	3	11
Postdoctoral students	38	58	3	7	3	5	1	1	18
Senior researchers ⁴	47	38	19	8	8	5	3	2	4
Management	5.82 ⁵	54	6	2	1	2	0	0	2
Other staff	26	42	15	3	3	1	1	0	3
Total	170.82	54	68	30	18	15	6	6	38

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

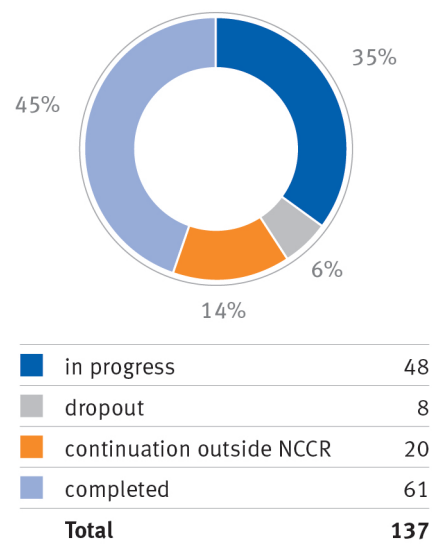
⁴ Including leaders of the individual projects and other organisational units of the NCCR

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

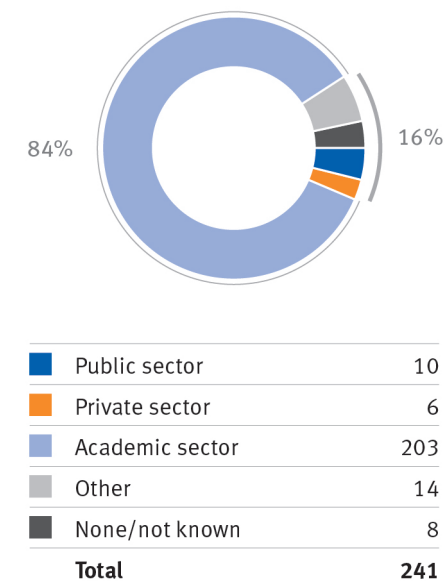
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students





**BIO-INSPIRED
MATERIALS**

NATIONAL CENTER OF COMPETENCE
IN RESEARCH

NCCR Bio-Inspired Materials

Using Concepts from Nature to Create “Smart” Materials

NCCR Director: Prof. Christoph Weder
Home Institution: University of Fribourg

Heads of Research Groups

Prof. Michal Borkovec	Section de Chimie et Biochimie, Université de Genève
Prof. Carole Bourquin	Departement für Medizin, Universität Freiburg
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	Adolphe Merkle Institute, Faculty of Science, Universität Freiburg
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, EPF Lausanne
Prof. André Studart	Departement Materialwissenschaft, ETH Zurich
Prof. Christoph Weder	Adolphe Merkle Institute, Faculty of Science, Universität Freiburg

[Overview all Research Projects](#)

Participating Institutions

Universität Freiburg (12 groups)/Université de Genève (1 group)/EPF Lausanne (1 group)/
ETH Zürich (1 group)

Output data

Knowledge and technology transfer

10 Publications

9 Peer-reviewed articles 1 Not peer-reviewed articles

34 Presentations at congresses

41 Cooperations

4 Programmes 9 Private sector
27 Research institutions 1 Other

NCCR Address

NCCR Bio-Inspired Materials
c/o Adolphe Merkle Institute
University of Fribourg
Chemin des Verdiers 4
1700 Fribourg
+41 (0) 26 300 91 72
www.bioinspired-materials.ch

Members of the Review Panel

Prof. Anna Fontcuberta i Morral (Chair), SNF, Bern, CH
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. Stephen Craig, Department of Chemistry, Duke University, US
Prof. Eva Marie Harth, Department of Chemistry, Vanderbilt University, US
Prof. Michael O. Hottiger, SNF, Bern, CH
Prof. Phillip B. Messersmith, Departments of Bioengineering and Materials Science and Engineering, University of California, Berkeley, US
Prof. Meital Rechtes, Institute of Chemistry, The Hebrew University of Jerusalem, IL
Prof. Dirk van der Marel, SNF, Bern, CH
Dr. Marco Wieland, SNF, Bern, CH

Key collaborations with third parties

Academia

Case Western Reserve University, Cleveland (OH), US
University of Basel, CH
University of Bayreuth, DE
Bulgarian Academy of Sciences, BG
University of California, Irvine, US
University of California, Los Angeles, US
Philipps Universität Marburg, DE
University of Bordeaux, FR
Zurich University of Applied Sciences, CH

Economy / Others

BASF Schweiz AG, CH
Collano Adhesives AG, CH
Firmenich SA, CH
Ivoclar Vivadent AG, LI
LS Instruments AG, CH
regenHU Ltd., CH

Funding

Funding Source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	3'000'000	3'000'000	3'000'000	3'000'000	12'000'000	43
Self-funding from Home Institution ¹	1'219'684	3'098'511	1'899'000	1'902'000	8'119'195	29
Self-funding from project participants	1'776'781	1'659'567	1'659'572	1'546'555	6'642'475	24
3rd party-funding	545'000	220'000	140'000	160'000	1'065'000	4
Total	6'541'465	7'978'078	6'698'572	6'608'555	27'826'670	100

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

Persons involved

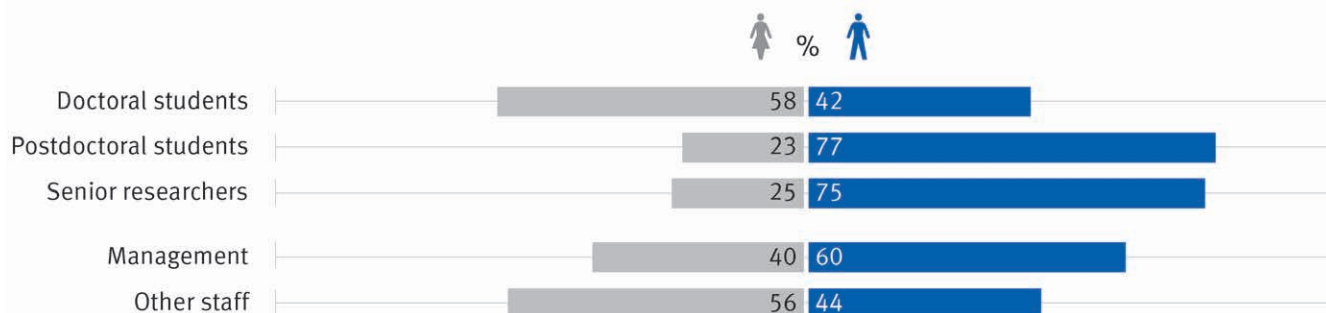
Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	FR	IR	US	
Doctoral students	33	58	10	5	2	3	3	3	8
Postdoctoral students	13	23	0	2	3	0	1	0	7
Senior researchers ³	24	25	7	7	3	3	0	0	6
Management	3.2 ⁴	40	7	1	1	0	0	1	3
Other staff	9	56	8	0	0	1	0	0	0
Total	82.2	42	32	15	9	7	4	4	24

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



NCCR Chemical Biology

Visualisation and Control of Biological Processes Using Chemistry

NCCR Director: Prof. Howard Riezmann, NCCR Co-Director: Prof. Kai Johnsson
Home Institutions: University of Geneva, EPF Lausanne

Heads of Research Groups

Prof. Alexander Adibekian	Département de Chimie Organique, Université de Genève
Prof. Nicolai Cramer	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Elena Dubikovskaya	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Paul Dyson	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Beat Fierz	Institut suisse de recherche expérimentale sur le cancer (ISREC), EPF Lausanne
Prof. Pierre Gönczy	Institut suisse de recherche expérimentale sur le cancer (ISREC), EPF Lausanne
Prof. Marcos Gonzalez Gaitan	Département de Biochimie, Université de Genève
Prof. Monica Gotta	Faculté de Médecine, Université de Genève
Prof. Jean Gruenberg	Département de Biochimie, Université de Genève
Prof. Oliver Hantschel	Institut suisse de recherche expérimentale sur le cancer (ISREC), EPF Lausanne
Prof. Christian Heinis	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Kai Johnsson	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Marko Kaksonen	Département de Biochimie, Université de Genève
Prof. Jérôme Lacour	Département de Chimie Organique, Université de Genève
Prof. Robbie Loewith	Département de Biologie Moléculaire, Université de Genève
Prof. Suliana Manley	Institut de physique des systèmes biologiques, EPF Lausanne
Prof. Stefan Matile	Département de Chimie Organique, Université de Genève
Prof. Howard Riezmann	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, EPF Lausanne
Prof. Gisou van der Goot	Institut de recherche en infectiologie EPF Lausanne
Prof. Jérôme Waser	Institut de recherche en infectiologie EPF Lausanne
Prof. Nicolas Winsinger	Département de Chimie Organique, Université de Genève
Prof. Jieping Zhu	Institut des sciences et ingénierie chimiques, ISIC, EPF Lausanne
Prof. Andreas Zumbühl	Département de Chimie, Université de Fribourg

[Overview all Research Projects](#)

Participating Institutions

Université de Fribourg (1 group)/Université de Genève (12 groups)/EPF Lausanne (13 groups)

Output data

Knowledge and technology transfer

308 Publications
277 Peer-reviewed **14** Not peer-reviewed
 articles **9** Reports **articles**
8 Anthology articles
406 Presentations at congresses
54 Cooperations
10 Programmes **13** Private sector
29 Research institutions **2** Other
31 Transfer activities
8 Start-ups **6** CTI projects
11 Patents/licences

NCCR Address

NCCR Chemical Biology
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 30 Quai Ernest-Ansermet
 1211 Genève 4
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www.nccr-chembio.ch

Members of the Review Panel

Prof. Christoph Dehio (Chair), SNF, Bern, CH
Prof. Pieter Cullis, Department of Biochemistry, Life Sciences Center, CAN
Dr. Jan Ellenberg, EMBL Heidelberg, DE
Dr. Walter Fischli, Actelion Pharma Schweiz AG, CH
Prof. Katharina Fromm, SNF, Bern, CH
Prof. Tom Kirchhausen, Harvard Medical School, Boston, US
Prof. Tom W. Muir, Department of Chemistry, Princeton, US
Prof. Suzanne Pfeffer, Stanford University School of Medicine, US
Prof. Carsten Schultz, EMBL Heidelberg, DE
Prof. Bernard Thorens, SNF, Bern, CH
Prof. Dirk Trauner, Fakultät für Chemie und Pharmazie, Ludwig-Maximilians-Universität München, DE

Key collaborations with third parties

Research Institutions

Chemical Biology Department, Chalmers University of Technology, Gothenburg SE
Laboratory for Biological Geochemistry, EPFL CH
Institute of Biochemistry, ETHZ CH
Université Aix-Marseille, U1006 INSERM, Marseille FR
University of California-Irvine, Irvine, California US
Department of Chemistry, University of Washington US
ZMBH, University of Heidelberg, Heidelberg DE

Economy / Others

Aspira Scientific, Milpitas, California U.S.A.
Geneva Business School, Geneva CH
Networks, New York U.S.A.
Pre-Seed Workshop, New York U.S.A.
Swiss Integrative Center for Human Health (SICHH), Fribourg CH

Funding

Funding source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding	4'206'706	4'150'000	3'660'000	2'660'000	14'676'706	53
Self-funding from Home Institution ¹	2'458'220	2'603'220	2'603'220	2'603'220	10'267'880	37
Self-funding from project participants	969'086	605'000	605'000	605'000	2'784'086	10
3rd party-funding	0	0	0	0	0	0
Total	7'634'012	7'358'220	6'868'220	5'868'220	27'728'672	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
				FR	DE	ES	IT	CN	
Research associates ³	9	22	2	4	0	1	1	0	1
Doctoral students	37	30	8	3	6	3	4	0	14
Postdoctoral students	31	39	1	3	4	5	3	3	12
Senior researchers ⁴	32	19	11	3	5	1	1	1	10
Management	4.43 ⁵	50	4	2	1	0	1	0	3
Other staff	10	90	8	1	0	0	1	0	0
Total	123.43	35	34	16	16	10	11	4	40

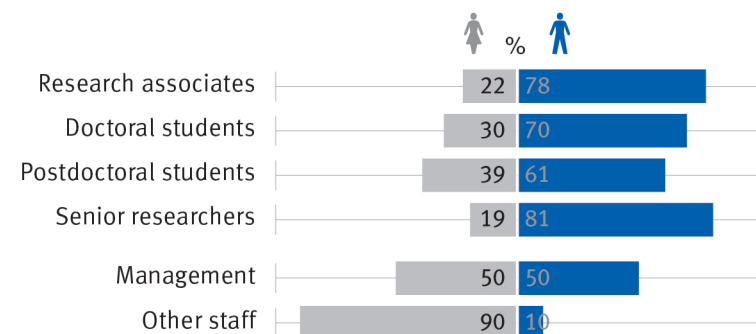
² Persons involved in the NCCR in the last reporting period (12 months)

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

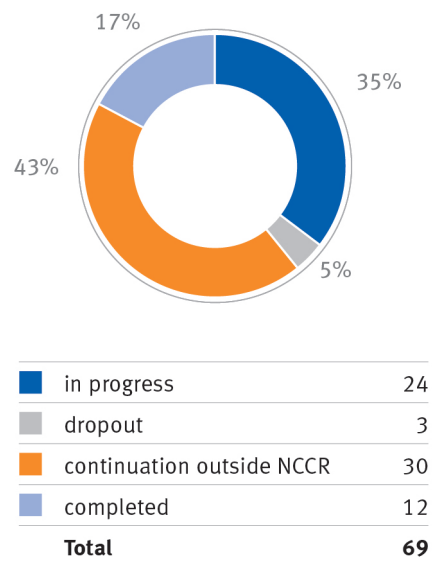
⁴ Including leaders of the individual projects and other organisational units of the NCCR

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

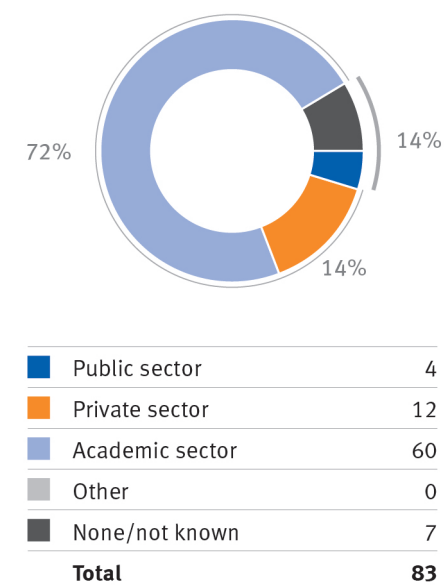
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR Democracy

Challenges to Democracy in the 21st Century

NCCR Director: Prof. Daniel Kübler
Home Institution: University of Zurich

Heads of Research Groups

Prof. André Bächtiger	Institut für Sozialwissenschaften, Universität Stuttgart
Dr. Laurent Bernhard	Institut für Politikwissenschaft, Universität Zürich
Prof. Thomas Bernauer	Center for Comparative and International Studies (CIS), ETH Zürich
Prof. Daniel Bochsler	Zentrum für Demokratie Aarau (ZDA), Universität Zürich
Dr. Michael Buess	Global Studies Institute, Université de Genève
Prof. Daniele Caramani	Institut für Politikwissenschaft, Universität Zürich
Prof. Francis Cheneval	Philosophisches Seminar, Universität Zürich
Prof. Frank Esser	Institut für Publizistikwissenschaft und Medienforschung, Universität Zürich
Prof. Tina Freyburg	School of Economics & Political Science, Universität St. Gallen
Prof. Fabrizio Gilardi	Institut für Politikwissenschaft, Universität Zürich
Prof. Vally Koubi	Volkswirtschaftliches Institut, Universität Bern
Prof. Hanspeter Kriesi	European University Institute (EUI), Florence
Prof. Daniel Kübler	Zentrum für Demokratie Aarau ZDA, Universität Zürich
Prof. Sandra Lavenex	Global Studies Institute, Université de Genève
Prof. Martino Maggetti	Institut d'Etudes Politiques et Internationales, Université de Lausanne
Prof. Frank Marcinkowski	Institut für Kommunikationswissenschaft, Universität Münster
Prof. Wolfgang Merkel	Wissenschaftszentrum Berlin für Sozialforschung
Prof. Ioannis Papadopoulos	Institut d'Etudes Politiques et Internationales, Université de Lausanne
Prof. Christian Schemer	Institut für Publizistik, Universität Mainz
Prof. Frank Schimmelfennig	Center for Comparative and International Studies (CIS), ETH Zürich
Dr. Gerold Schneider	Institut für Computerlinguistik, Universität Zürich
Prof. Marco Steenbergen	Institut für Politikwissenschaft (IPZ), Universität Zürich
Prof. Werner Wirth	Institut für Publizistikwissenschaft und Medienforschung (IPMZ), Universität Zürich
Dr. des. Bruno Wüest	Institut für Politikwissenschaft, Universität Zürich

[Overview all Research Projects](#)

Output data
Knowledge and technology transfer
630 Publications
239 Peer-reviewed articles **67** Not peer-reviewed articles
59 Books
212 Anthology articles **53** Reports
750 Presentations at congresses
108 Cooperations
19 Programmes **7** Private sector
77 Research institutions **5** Other
2 Transfer activities
1 Start-ups **1** CTI projects

NCCR Address

NCCR Democracy
Universität Zürich
Affolternstr. 56
CH-8050 Zürich
+41 (0) 44 634 52 02
www.nccr-democracy.uzh.ch

Participating Institutions

Universität Zürich (11 groups)/ETH Zürich (2 groups)/Université de Lausanne (2 groups)/
 Université de Genève (1 group)/Universität Bern (1 group)/Universität St. Gallen (1 group)/
 Universität Luzern (1 group)/European University Institute Florence (1 group)/Westfälische
 Wilhelms-Universität Münster (1 group)/Universität Mainz (1 group)/Wissenschaftszentrum Berlin
 für Sozialforschung WZB (1 group)/Universität Stuttgart (1 group)

Members of the Review Panel

Prof. Frédéric Varone (Chair), SNF, Bern, CH
 Prof. Arthur Benz, Institut für Politikwissenschaft, Technische Universität Darmstadt, DE
 Prof. Fabrizio Butera, SNF, Bern, CH
 Prof. Robert Entman, School of Media and Public Affairs, The George Washington University, USA
 Prof. Gianpietro Mazzoleni, Dipartimento di Scienze Sociali e Politiche,
 Università degli Studi di Milano, IT
 Prof. Chris Skelcher, Institute of Local Government Studies, University of Birmingham, UK
 Prof. Stefaan Walgrave, Departement Politieke Wetenschappen, Universiteit Antwerpen, BE
 Prof. Eric Widmer, SNF, Bern, CH

Key collaborations with third parties

Academia

Centre de compétences suisse en sciences sociales –
 FORS, Université de Lausanne, CH
 Centre for Deliberative Democracy, Australian National University, AU
 Center for Politics and Communication, University of Amsterdam, NL
 Centre for Social Sciences, Tbilisi, GE
 Centre for Studies in Democratization, University of Warwick, UK
 COST Action IS1308 «Populist Political Communication in Europe:
 Comprehending the Challenge of Mediated Political Populism for
 Democratic Politics»
 DEMICOM, Mid Sweden University, SE
 Democratic anchorage of governance networks (Demanc)
 Department of Communication, University of Vienna, AT
 Department of Political Science, University of Stockholm, SE
 Department of Political Science and International Relations,
 Khazar University, AZ
 Department of Public Administration, University of Leiden, NL
 Department of Sociology, University of Geneva, CH
 Faculty of Political Science and Journalism, University of Pozen, PL
 Faculty of Social Sciences, Goethe University Frankfurt, DE
 Graduate School, Chinese Academy of Social Sciences, Beijing, CN
 Greenle School of Journalism and Communication,
 Iowa State University, US
 Institut für Sozialwissenschaften, Humboldt-Universität Berlin, DE
 International Metropolitan Observatory-Programme (IMO)
 Research Network "External Democracy Promotion" (EDP)

Economy / Others

Bertelsmann Transformation Index, Bertelsmann Stiftung, Gütersloh, DE
 Schweizer Jugend forscht (Swiss Youth in Science), CH

Funding

Funding source (CHF)	Year 9	Year 10	Year 11	Year 12	Total Phase 3	%
SNSF-funding	1'350'000	1'300'000	1'300'000	1'300'000	5'250'000	44
Self-funding from Home Institution ¹	658'431	740'520	996'626	814'523	3'210'100	27
Self-funding from project participants	924'856	826'005	671'540	590'025	3'012'426	25
3rd party-funding	233'212	95'951	35'000	74'030	438'193	4
Total	3'166'499	2'962'476	3'003'166	2'778'578	11'910'719	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
				DE	GR	US	CA	ES	
Research associates ³	2	50	1	1	0	0	0	0	0
Doctoral students	16	44	8	4	0	0	0	1	3
Postdoctoral students	6	33	1	5	0	0	0	0	0
Senior researchers ⁴	28	21	15	10	2	1	1	0	3
Management	4.07 ⁵	40	7	3	0	0	0	0	0
Other staff	11	45	6	3	0	1	0	0	1
Total	67.07	34	38	26	2	2	1	1	7

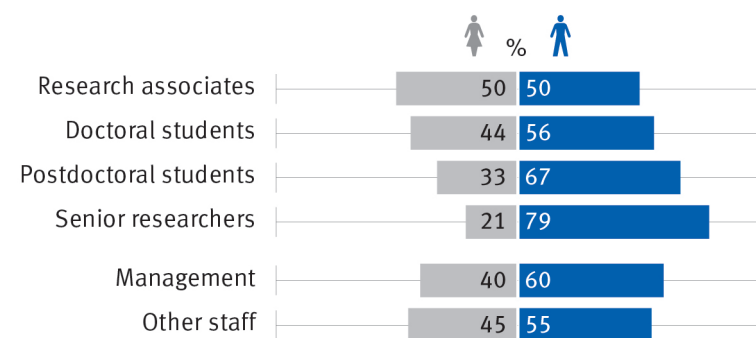
² Persons involved in the NCCR in the last reporting period (12 months)

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

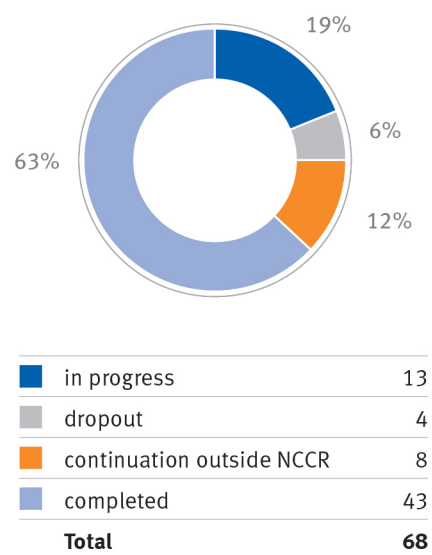
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⁵ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

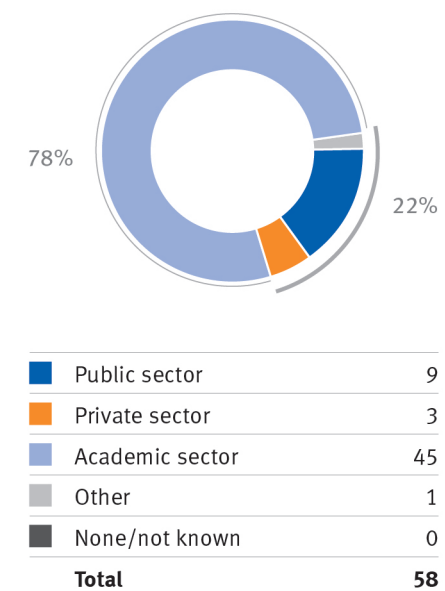
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR Digital Fabrication **Innovative Building Processes in Architecture**

NCCR Director: Prof. Matthias Kohler

Home Institution: ETH Zurich

Heads of Research Groups

Prof. Jonas Buchli	Inst. f. Dynamische Systeme u. Reg. tech., ETH Zürich
Prof. Robert Flatt	Institut für Baustoffe, ETH Zürich
Prof. Matthias Kohler	Departement Architektur, ETH Zürich
Prof. Yves Weinand	Laboratoire de construction en bois, EPF Lausanne

[Overview all Research Projects](#)

Participating Institutions

ETH Zürich (4 groups)/EPF Lausanne (1 group)

Members of the Review Panel

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Prof. Oliver Brock, Institut für Technische Informatik und Mikroelektronik, TU Berlin, DE
Prof. Mark Burry, Melbourne School of Design, AUS
Prof. Rüdiger Dillmann, Institut für Anthropomatik und Robotik, Karlsruhe Institut für Technologie, DE
Prof. Gregor Engels, Institut für Informatik, Universität Paderborn, DE
Prof. Stefanie Hellweg, SNF, Bern, CH
Prof. Gerti Kappel, Institut für Softwaretechnik und Interaktive Systeme, Technische Universität Wien, A
Prof. Hanif Kara, Graduate School of Design, Harvard University, UK
Prof. Wojciech Matusik, MIT CSAIL, US
Prof. Oscar Nierstrasz, SNF, Bern, CH
Prof. Mette Ramsgaard Thomsen, CITA, Det Kongelige Danske Kunstakademis Skoler, DK
Prof. Petra von Both, Karlsruher Institut für Technologie KIT, Karlsruhe, DE

Key collaborations with third parties

Economy / Others

SIKA Technology AG

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NCCR Digital Fabrication
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Gustave-Naville-Weg 1
CH-8093 Zurich
+ 41 (0) 44 633 41 01
www.dfab.ch

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	2'800'000	3'500'000	3'700'000	3'400'000	13'400'000	53
Self-funding from Home Institution ¹	363'028	2'410'250	2'374'750	3'497'000	8'645'028	35
Self-funding from project participants	337'350	868'500	873'500	873'500	2'952'850	12
3rd party-funding	0	0	0	0	0	0
Total	3'500'378	6'778'750	6'948'250	7'770'500	24'997'878	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
				DE	AT	US	BE	CA	
Research associates ³	1	100	0	0	0	1	0	0	0
Doctoral students	16	38	1	2	2	1	0	0	10
Postdoctoral students	3	0	1	1	0	1	0	0	0
Senior researchers ⁴	12	0	6	0	1	0	2	1	2
Management	3.5 ⁵	25	4	1	0	0	0	1	2
Other staff	1	0	1	0	0	0	0	0	0
Total	36.2	22	13	4	3	3	2	2	14

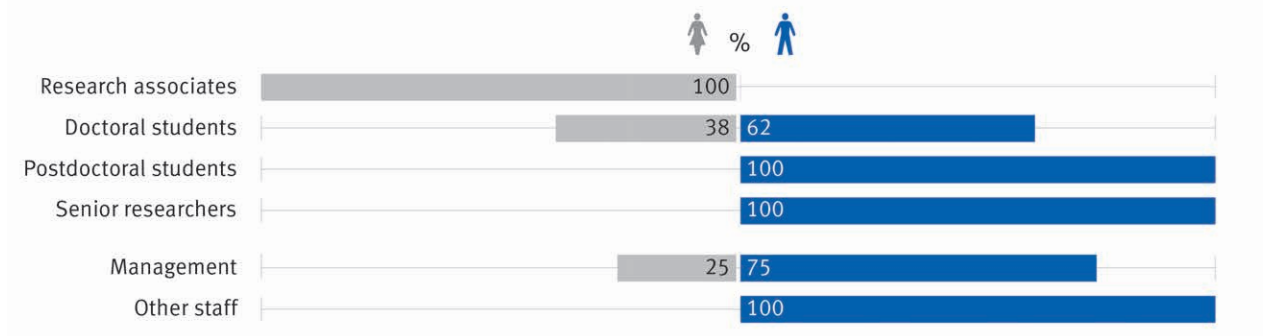
² Persons involved in the NCCR in the last reporting period (12 months)

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



NCCR Iconic Criticism

The Power and Meaning of Images

NCCR Director: Prof. Ralph Ubl
Home Institution: University of Basel

Heads of Research Groups

Prof. Wolfgang Behr	Asien-Orient-Institut, Universität Zürich
Prof. Cornelia Bohn	Soziologisches Seminar, Universität Luzern
Prof. Nicolas Gess	Deutsches Seminar, Universität Basel
Prof. Michael Hagner	Professur für Wissenschaftsforschung, ETH Zürich
Prof. Markus Klammer	Schaulager-Professur für Kunsttheorie, Kunsthistorisches Seminar, Universität Basel
Prof. Antonio Loprieno	Ägyptologisches Seminar, Universität Basel
Prof. Barbara Schellewald	Kunsthistorisches Seminar, Universität Basel
Prof. Matthias Schmidt	Musikwissenschaftliches Seminar, Universität Basel
Prof. Ralph Ubl	Kunsthistorisches Seminar, Universität Basel
Prof. Philip Ursprung	Institut für Geschichte und Theorie der Architektur, ETH Zürich

[Overview all Research Projects](#)

Participating Institutions

Universität Basel (7 groups)/Universität Luzern (1 group)/Universität Zürich (1 group)/
ETH Zürich (2 groups)/Schaulager Basel (2 groups)

Output data

Knowledge and technology transfer

1848 Publications

130 Peer-reviewed articles **404** Not peer-reviewed articles **2** Reports

1025 Anthology articles **287** Books

1253 Presentations at congresses

171 Cooperations

151 Research institutions

12 Programmes **8** Other

NCCR Address

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University of Basel
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Members of the Review Panel

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Prof. Regina Elisabeth Aebi-Müller, SNF, Bern, CH
Prof. Danièle Cohn, UFR de philosophie, Université de Paris, FR
Prof. Dario Gamboni, SNF, Bern, CH
Prof. Ludwig Jäger, Institut für Sprach- und Kommunikationswissenschaften, RWTH Aachen, DE
Prof. Helmut Lethen, Internationales Forschungszentrum Kulturwissenschaften, Wien, AT
Prof. Anke te Heesen, Institut für Geschichtswissenschaften, Berlin, DE
Prof. Juliane Vogel, Fachbereich Literaturwissenschaften, Universität Konstanz, DE
Prof. Gerhard Wolf, Kunsthistorisches Institut in Florenz, IT

Key collaborations with third parties

Academia

Department of Art History, University of Chicago, US
Department of German, Princeton University, US
Department of Germanic Studies, University of Chicago, US
Exzellenzcluster "Bild, Wissen, Gestaltung. Ein interdisziplinäres Labor", Humboldt-University of Berlin, DE
History of Art Department, UC Berkeley, US
History of Art Department, University College London, UK
ICAM Lüneburg, Institut für Kultur und Ästhetik Digitaler Medien, DE
Institut für Kunstgeschichte, Universität Wien, AT
International Doctoral Program MIMESIS, LMU München, DE
Internationales Kolleg für Kulturtechnikforschung und Medienphilosophie, IKKM, Weimar, DE

Funding

Funding source (CHF)	Year 9	Year 10	Year 11	Year 12	Total Phase 3	%
SNSF-funding	1'610'000	1'270'000	1'185'000	1'185'000	5'250'000	32
Self-funding from Home Institution ¹	1'517'086	1'149'913	880'000	1'005'000	4'551'999	28
Self-funding from project participants	1'015'554	575'000	1'675'000	1'675'000	4'940'554	30
3rd party-funding	473'806	50'709	620'000	620'000	1'764'515	10
Total	4'616'446	3'045'622	4'360'000	4'485'000	16'507'068	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
				DE	AT	US	IT	AU	
Research associates ³	2	50	0	2	0	0	0	0	0
Doctoral students	25	56	9	11	3	0	1	0	1
Postdoctoral students	13	69	2	6	4	2	0	1	0
Senior researchers ⁴	11	27	2	7	2	1	0	0	0
Management	4.86 ⁵	38	8	5	2	0	1	0	1
Total	55.86	49	21	31	11	3	2	1	2

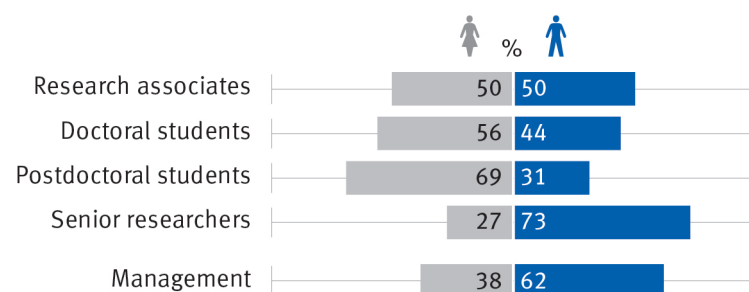
² Persons involved in the NCCR in the last reporting period (12 months)

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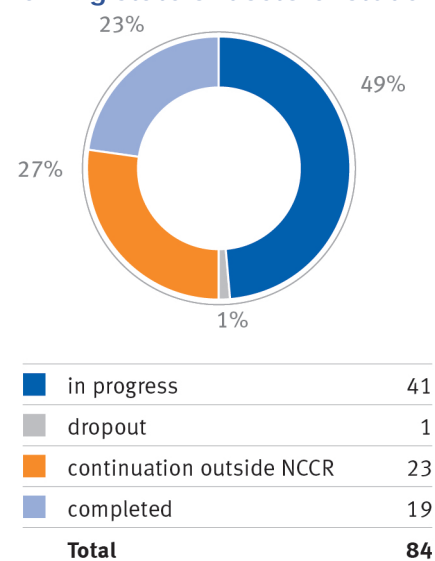
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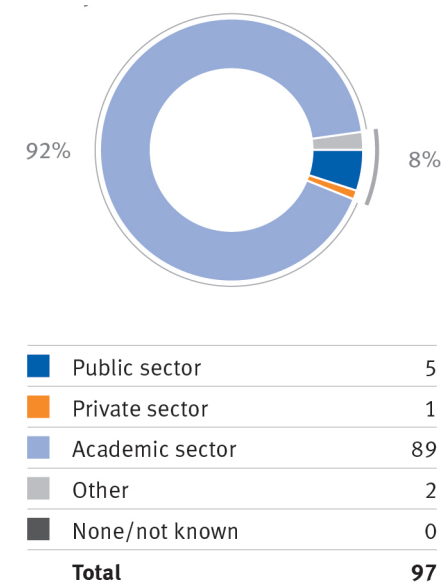
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR Trade Regulation

International Trade Regulation – From Fragmentation to Coherence

NCCR Director: Prof. Manfred Elsig
Home Institution: University of Bern

Heads of Research Groups

Prof. Thomas Bernauer	ETH Zürich, Zürich
Prof. Marius Brühlhart	HEC, Université de Lausanne
Dr. Mira Burri	c/o World Trade Institute, Bern
Prof. Olivier Cadot	HEC, Université de Lausanne
Dr. Joëlle Sépibus	c/o World Trade Institute, Bern
Prof. Andras Dür	Universität Salzburg
Prof. Manfred Elsig	c/o World Trade Institute, Bern
Prof. Joseph Francois	c/o World Trade Institute, Bern
Prof. Sandra Lavanex	Département de Science Politiques et Relations Internationales, Université de Genève
Dr. Anirudh Shingal	c/o World Trade Institute, Bern
Dr. Gabriele Spilker	Universität Salzburg

[Overview all Research Projects](#)

Participating Institutions

Universität Bern (5 groups)/Universität Luzern (1 group)/Université de Lausanne (2 groups)/
ETH Zürich (1 group)/Universität Salzburg (2 groups)/Université de Genève (1 group)

Output data
Knowledge and technology transfer
995 Publications
274 Peer-reviewed **423** Not peer-reviewed
articles **124** Books **articles**
113 Anthology articles **61** Reports
566 Presentations at congresses
331 Cooperations
14 Programmes **33** Private sector
179 Research institutions **105** Other

NCCR Address

NCCR Trade Regulation
World Trade Institute
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Members of the Review Panel

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 Prof. Regina Elisabeth Aebi-Müller, SNF, Bern, CH
 Prof. Andrew Lang, London School of Economics and Political Science, UK
 Prof. Keith E. Maskus, Department of Economics, University of Colorado at Boulder, US
 Prof. John S. Odell, School of International Relations, University of Southern California, US
 Dr. Roberta Piermartini, Organisation Mondiale du Commerce (WTO), Genève, CH
 Prof. Gregory Shaffer, School of Law, University of California at Berkeley, US
 Prof. Debra Steger, Faculty of Law, University of Ottawa, CA
 Prof. Christian Tietje, Institut für Wirtschaftsrecht, Universität Halle Wittenberg, DE
 Prof. Geertrui van Overwalle, Faculteit Rechtsgeleedheid, KU Leuven, NL

Key collaborations with third parties

Academia

Berkman Center for Internet and Society, Harvard University, US
 Centre for Development and Environment, University of Bern, CH
 Institut für Europa- und Wirtschaftsvölkerrecht, University of Bern, CH
 Institute of International Economic Law, Georgetown University, US
 International Research Institute for Climate and Society, Columbia University, US
 Department of International Relations, London School of Economics, UK
 Oxford Institute for Energy Studies, University of Oxford, UK
 Department of Politics, Princeton University, US
 Department of Political Science and Sociology, Salzburg University, AT

Economy / Others

Asian Development Bank
 Energy Charter Secretariat, Brussels, BE
 EUResearch, Bern, CH
 International Center for Trade and Sustainable Development, Geneva CH
 International Renewable Energy Agency (IRENA), Bonn, DE
 State Secretariat for Economic Affairs, Bern, CH
 Swiss Federal Institute of Intellectual Property, CH
 UNCTAD, Geneva, CH
 World Bank, Washington D.C., US
 World Trade Organization, Geneva, CH

Funding

Funding source (CHF)	Year 9	Year 10	Year 11	Year 12	Total Phase 3	%
SNSF-funding ¹	2'308'100	2'100'000	1'323'380	866'000	6'597'480	65
Self-funding from Home Institution ²	743'160	743'160	743'160	743'160	2'972'640	30
Self-funding from project participants	426'143	52'012	0	0	478'155	5
3rd party-funding	0	0	0	0	0	0
Total	3'477'403	2'895'172	2'066'540	1'609'160	10'048'275	100

¹ incl. mobility-grant in Year 9 and 11

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
				CA	DE	IT	ES	FR	
Research associates ⁴	1	100	1	0	0	0	0	0	0
Doctoral students	6	50	3	0	1	0	0	0	2
Postdoctoral students	9	67	2	0	0	3	1	0	3
Senior researchers ⁵	14	29	9	1	0	0	0	1	4
Management	5.3 ⁶	71	10	2	2	0	1	0	2
Other staff	3	33	0	0	0	0	0	1	2
Total	38.3	54	25	3	3	3	2	2	13

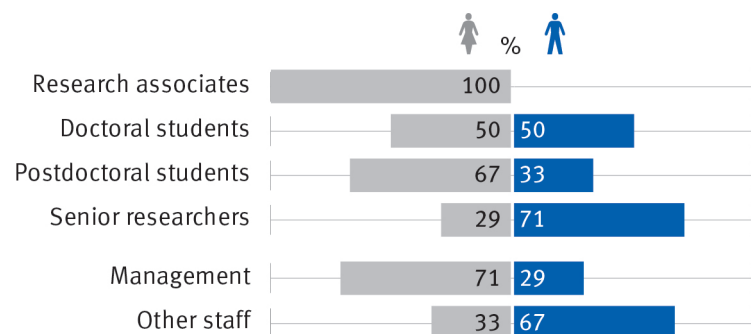
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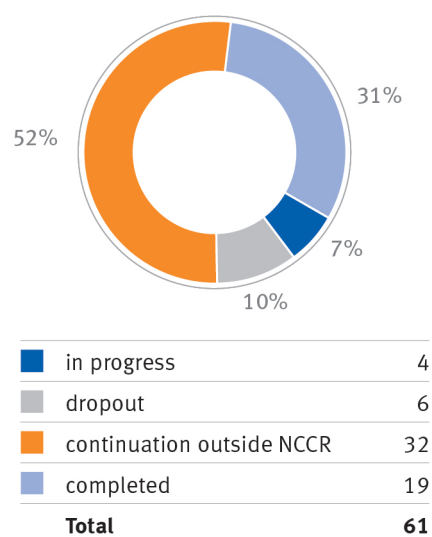
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⁶ Full-time equivalent, including NCCR-Director and persons in charge of knowledge and technology transfer, equal opportunities, communication and education and training

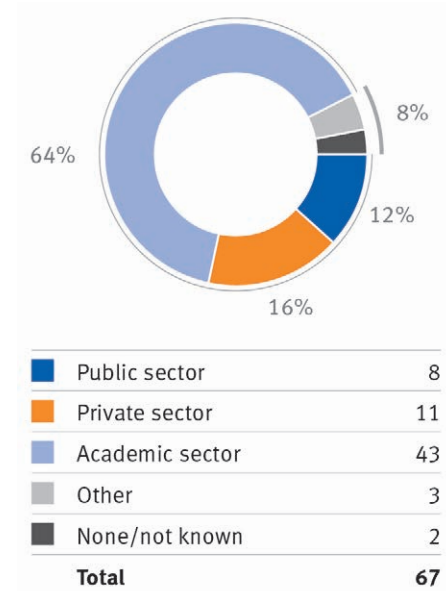
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR Kidney.CH

Kidney Control of Homeostasis

NCCR Director: Prof. François Verrey
Home Institution: University of Zurich

Heads of Research Groups

Dr. Murielle Bochud	Institut Universitaire de Médecine Sociale et Préventive, Université Lausanne
Dr. Olivier Bonny	Département de pharmacologie et de toxicologie, Université Lausanne
Dr. Olivier Devuyst	Physiologisches Institut, Universität Zürich
Dr. Sophie De Seigneux	Département Physiologie cellulaire et métabolisme, Université de Genève
Dr. Nourdine Faresse	Anatomisches Institut, Universität Zürich
Dr. Eric Féraille	Département Physiologie cellulaire et métabolisme, Université de Genève
Dr. Ian Frew	Physiologisches Institut, Universität Zürich
Dr. Andrew Hall	Anatomisches Institut, Universität Zürich
Dr. David Hoogewijs	Physiologisches Institut, Universität Zürich
Dr. Edith Hummler	Département de Pharmacologie et Toxicologie, Université de Lausanne
Dr. Uyen Huynh-Do	Departement Nephrologie / Hypertonie, Universitätsspital Bern
Dr. Reto Krapf	Klinik St. Anna, Luzern
Dr. Vartan Kurtcuoglu	Physiologisches Institut, Universität Zürich
Dr. Andreas Pasch	University Institute of Clinical Chemistry, Center of Laboratory Medicine, Universitätsspital Bern
Dr. Johannes Loffing	Anatomisches Institut, Universität Zürich
Dr. Carsten Lundby	Physiologisches Institut, Universität Zürich
Dr. Jean-Pierre Montani	Département de Médecine / Physiologie, Université de Fribourg
Dr. Alex Odermatt	Pharmazentrum, Universität Basel
Dr. Olivier Staub	Département de Pharmacologie et Toxicologie, Université de Lausanne
Prof. François Verrey	Physiologisches Institut, Universität Zürich
Dr. Carsten Wagner	Physiologisches Institut, Universität Zürich
Dr. Roland Wenger	Physiologisches Institut, Universität Zürich
Dr. Zhihong Yang	Département de Médecine / Physiologie, Université de Fribourg

[Overview all Research Projects](#)

Output data

Knowledge and technology transfer

188 Publications
170 Peer-reviewed articles
14 Not peer-reviewed articles
2 Anthology articles
2 Books
406 Presentations at congresses
88 Cooperations
1 Programmes
15 Private sector
71 Research institutions
1 Other
2 Transfer activities
1 Start-ups
1 CTI projects

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 University of Zurich
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 Winterthurerstrasse 190
 CH-8057 Zurich
 +41 (0) 44 635 59 68
www.nccr-kidney.ch

Participating Institutions

Universität Basel (Pharmazentrum) (1 group)/Université de Fribourg (2 groups)/
 Université de Genève (2 groups)/Université de Lausanne (4 groups)/Universität Zürich (11 groups)/
 Universitätsspital Bern (2 groups)/Klinik St. Anna Luzern (1 group)

Members of the Review Panel

Prof. Jürg Steiger (Chair), SNF, Bern, CH
 Prof. Robert Alpern, Yale School of Medicine, US
 Prof. Kai-Uwe Eckardt, Nephrologie und Hypertensiologie, Universitätsklinikum Erlangen, DE
 Prof. Michael O. Hottiger, SNF, Bern, CH
 Prof. Armin Kurtz, Institut für Physiologie, Universität Regensburg, DE
 Prof. Alicia A. McDonough, Keck School of Medicine of USC, US
 Prof. Orson W. Moe, Medical Center at Dallas, University of Texas Southwestern, US
 Prof. David Pearce, Medicine and Cellular and Molecular Pharmacology, University of California, US
 Prof. Fabiola Terzi, INSERM, Université de Paris, FR
 Prof. Jonathan Seckl, Center Cardiovascular Science, The Queen's Medical Research Institute, UK
 Prof. Markus Stoffel, SNF, Bern, CH

Key collaborations with third parties

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

Economy / Others

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

Funding

Funding source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	4'518'914	4'402'000	4'402'000	3'224'000	16'546'914	75
Self-funding from Home Institution ²	2'088'361	975'000	975'000	975'000	5'013'361	23
Self-funding from project participants	267'343	0	0	0	267'343	2
3rd party-funding	0	0	0	0	0	0
Total	6'874'618	5'377'000	5'377'000	4'199'000	21'827'618	100

¹ incl. compensation for PHD salaries increase

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	IN	BE	
Research associates ⁴	2	50	0	1	0	0	1	0	0
Doctoral students	11	55	5	1	0	0	1	0	4
Postdoctoral students	19	42	2	3	0	2	1	0	11
Senior researchers ⁵	28	18	14	5	3	1	0	2	3
Management	4.6 ⁶	56	4	3	1	0	0	0	1
Other staff	5	60	2	3	0	0	0	0	0
Total	69.6	38	27	16	4	3	3	2	19

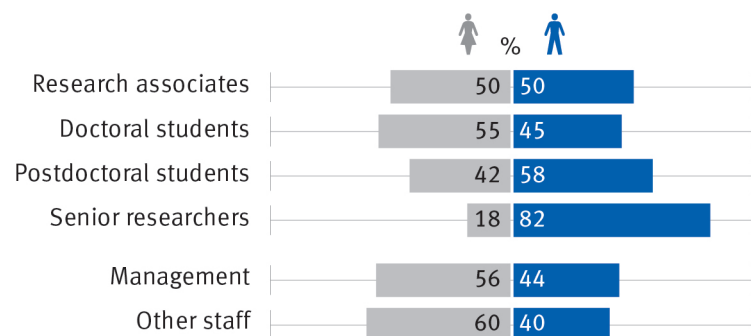
³ Persons involved in the NCCR in the last reporting period (12 months)

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

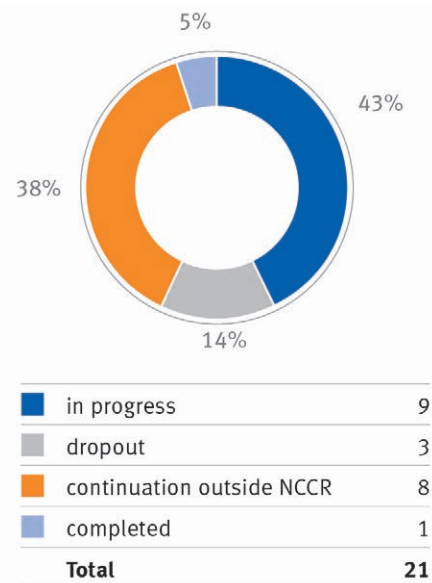
⁵ Including leaders of the individual projects and other organisational units of the NCCR

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

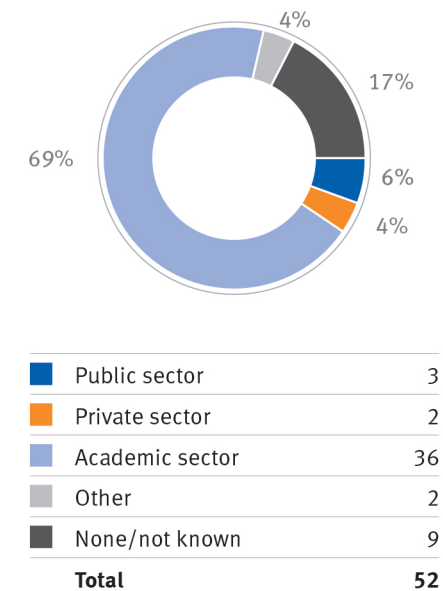
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



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

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-François Bickel	Haute école de travail social de Fribourg, Haute école spécialisée de Suisse occidentale
Prof. Claudio Bolzman	Haute école de travail social de Genève, Haute école spécialisée de Suisse occidentale
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. Eric Davoine	Chaire Ressources Humaines et Organisation, Université de Fribourg
Prof. Jörg Dittmann	Hochschule für Soziale Arbeit, Fachhochschule Nordwestschweiz
Prof. Peter Farago	Fondation Suisse pour la recherche en Sciences Sociales, Université de Lausanne
Prof. Alexandra Freund	Psychologisches Institut, Universität Zürich
Prof. Dominique Joye	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. Daniel Oesch	Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. Michel Oris	Centre inter-facultaire de gérontologie et d'études des vulnérabilités, Université de Genève
Prof. Michele Pellizzari	Département des Sciences Économiques, Université de Genève
Prof. Pasqualina Perrig-Chiello	Institut für Psychologie, Universität Bern
Prof. José Ramirez	Haute école de gestion de Genève, Haute école spécialisée de Suisse occidentale
Prof. Gilbert Ritschard	Institut d'études démographiques et du parcours de vie, Université de Genève

Output data

Knowledge and technology transfer

425 Publications
180 Peer-reviewed articles **57** Not peer-reviewed articles
129 Anthology articles **22** Reports
698 Presentations at congresses
72 Cooperations
5 Programmes **1** Private sector
32 Research institutions **34** Other
12 Transfer activities
12 Prototypes/processes

NCCR Address
NCCR LIVES
Université de Lausanne
Bâtiment Géopolis
CH-1015 Lausanne
+41 (0) 21 692 38 71
www.lives-nccr.ch

Prof. Jérôme Rossier	Laboratoire de psychologie du développement, conseil et Intervention, Université de Lausanne
Prof. Willibald Ruch	Psychologisches Institut, Universität Zürich
Prof. Dario Spini	Centre de recherche sur les parcours de vie et les inégalités, Université de Lausanne
Prof. Christian Staerklé	Laboratoire de psychologie sociale, Université de Lausanne
Prof. Jean-Pierre Tabin	Haute école de travail social et de la santé de Lausanne, Haute école spécialisée de Suisse occidentale
Prof. Eric Widmer	Institut d'études démographiques et du parcours de vie, Université de Genève
Prof. Hansjörg Znoj	Institut für Psychologie, Universität Bern

[Overview all Research Projects](#)

Participating Institutions

Universität Bern (2 groups)/Université de Fribourg (1 group)/Université de Lausanne (12 groups)/ Université de Genève (6 groups)/Universität Zürich (2 groups)/Haute école spécialisée de Suisse occidentale (4 groups)/Fachhochschule Nordwestschweiz (1 group)

Members of the Review Panel

Prof. Alexander Grob (Chair), SNF, Bern, CH
 Prof. Kenneth A. Bollen, Department of Sociology, University of North Carolina, USA
 Prof. Monica Budowski, SNF, Bern, CH
 Prof. Alain Chenu Directeur de l'Observatoire sociologique du changement, Paris, FR
 Prof. Jutta Heckhausen, Department of Psychology and Social Behavior, University of California, Irvine, USA
 Prof. François Héran, INED – Institut national d'études démographiques, Paris, FR
 Prof. Jörg Rössel, SNF, Bern, CH
 Prof. Ingrid Schoon, Department of Quantitative Social Science, Institute of Education, University of London UK
 Prof. Frédéric Varone, SNF, Bern, CH

Funding

Funding Source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	4'544'951	4'300'000	3'507'000	2'328'000	14'679'951	33
Self-funding from Home Institution ²	3'388'294	3'327'838	3'519'845	3'737'196	13'973'173	31
Self-funding from project participants	3'270'539	4'176'452	4'036'880	3'933'680	15'417'551	35
3rd party-funding	125'820	143'748	137'511	132'000	539'079	1
Total	11'329'604	11'948'038	11'201'236	10'130'876	44'609'754	100

¹ incl. Mobility-grant, compensation for PHD salaries increase and 120% support-grant in Year 5

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

Key collaborations with third parties

Academia

Ageing and Living Conditions Programme (ALC), Umeå University, SE
 Population Europe – Network of Europe's leading demographic research centres

Center for Healthy Ageing Research, Oregon State University, Corvallis, US

Center for Research on Inequalities and the Life Course, Yale University, New Haven, US

Center on Ageing and the Life Course, Purdue University, West Lafayette, US

Centre for Analysis of Social Exclusion, London School of Economics and Political Science, GB

Centre for Population, Aging and Health, University of Western Ontario, London, CA

Department of Sociology, Case Western Reserve University,

Department of Sociology, University of Western Ontario, London, CA, Cleveland, US

NCCR on the move, University of Neuchâtel, CH

Hallie Ford Center for Healthy Children and Families, Oregon State University, Corvallis, US

International Centre for Lifecourse Studies in Society and Health, University College London, GB

Mobilité, logement et entourage, Institut national d'études démographiques, Paris, FR

Economy/Others

Bureau fédéral de l'égalité entre femmes et hommes, Berne; Bureaux de l'égalité de l'Université de Lausanne et de l'Université de Genève, CH

Centre de compétence suisse en sciences sociales, Lausanne, CH
 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

Office fédéral de la statistique, Neuchâtel, CH

Pro Senectute Schweiz, Wallis und Basel, CH

Staatssekretariat für Wirtschaft, Bern, CH

Persons involved

Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	IT	CL	ES	
Research associates ⁴	22	73	14	2	0	1	1	0	4
Doctoral students	66	74	39	4	4	5	2	1	15
Postdoctoral students	18	72	7	3	1	3	0	0	4
Senior researchers ⁵	63	38	40	6	7	2	0	1	10
Management	8.6 ⁶	57	18	1	0	0	0	0	2
Other staff	5	80	5	0	0	0	0	1	0
Total	182.6	61	123	16	12	11	3	3	35

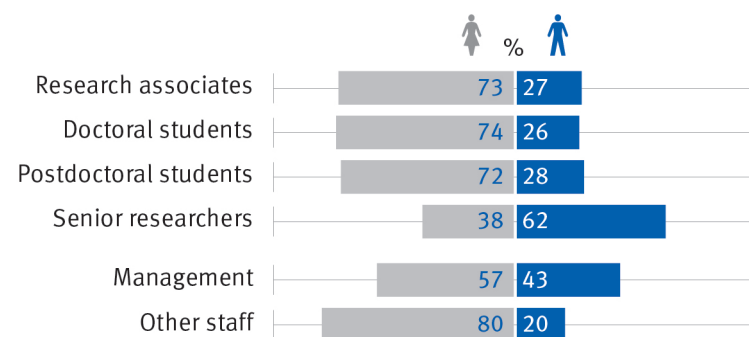
³ Persons involved in the NCCR in the last reporting period (12 months)

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

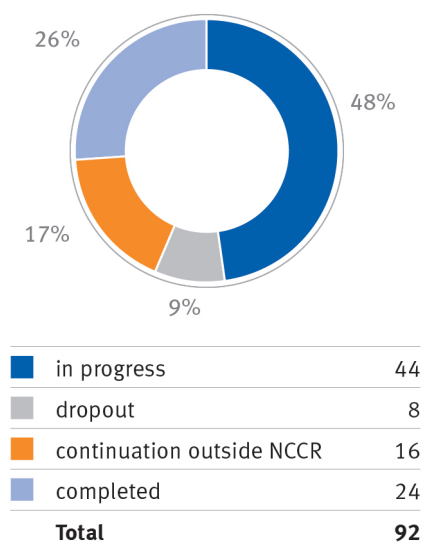
⁵ Including leaders of the individual projects and other organisational units of the NCCR

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

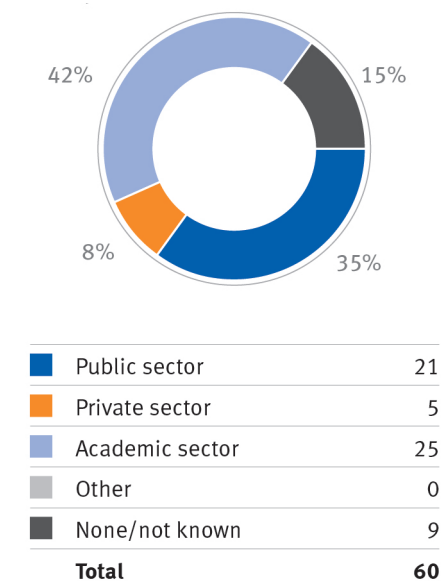
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR MARVEL

Materials' Revolution: Computational Design and Discovery of Novel Materials



NCCR Director: Prof. Nicola Marzari
Home Institution: EPF Lausanne

Heads of Research Groups

Prof. Wanda Andreoni	Institut de théorie des phénomènes physiques, EPF Lausanne
Prof. Raffaella Buonsanti	Institut des sciences et ingénierie chimiques, EPF Lausanne
Prof. Michele Ceriotti	Institut des Matériaux, EPF Lausanne
Dr. Claudia Cancellieri	Fügetechnologie und Korrosion, Empa Dübendorf
Prof. Clémence Corminboeuf	Institut des sciences et ingénierie chimiques, EPF Lausanne
Prof. Volkan Cevher	Institut de génie électrique et électronique, EPF Lausanne
Dr. Alessandro Curioni	IBM Research GmbH, Rueschlikon
Prof. Antoine Georges	Department of Quantum Matter Physics, Université de Genève
Prof. Stefan Goedecker	Departement Physik, Universität Basel
Dr. Pierangelo Gröning	Moderne Materialien und Oberflächen, Empa Dübendorf
Prof. Jürg Hutter	Institut für Chemie, Universität Zürich
Dr. Michel Kenzelmann	Laboratory for Scientific Developments and Novel Materials, PSI Villigen
Prof. Christoph Koch	Institut d'informatique fondamentale, EPF Lausanne
Prof. Thomas Lippert	Materials Group, PSI Villigen
Prof. Nicola Marzari	Institut des Matériaux, EPF Lausanne
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, ETZ Zürich
Prof. Alfredo Pasquarello	Institut de théorie des phénomènes physiques, EPF Lausanne
Dr. Daniele Passerone	Nanotech@surfaces, Empa Dübendorf
Dr. Daniele Pergolesi	Materials Group, PSI Villigen
Dr. Marco Ranocchiari	Laboratory for Synchrotron Radiation – Catalysis and Sustainable Chemistry, PSI Villigen
Dr. Marta D. Rossell	Zentrum für Elektronenmikroskopie, Empa Dübendorf
Prof. Ursula Röthlisberger	Institut des sciences et ingénierie chimiques, EPF Lausanne
Prof. Christian Rüegg	Laboratory for Neutron Scattering and Imaging, PSI Villigen and Department of Quantum Matter Physics, Université de Genève
Prof. Thomas J. Schmidt	Electrochemistry Laboratory, PSI Villigen
Dr. Thorsten Schmitt	Laboratory for Condensed Matter Physics, PSI Villigen

Output data Knowledge and technology transfer

47 Publications
41 Peer-reviewed articles **6** Not peer-reviewed articles
117 Presentations at congresses
12 Cooperations
2 Programmes **3** Private sector
7 Research institutions
1 Transfer activities
1 Prototypes/processes

NCCR Address
NCCR MARVEL
EPFL STI PRN-MARVEL
Station 9
1015 Lausanne
+41 (0) 21 693 48 80
www.nccr-marvel.ch

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, EPF Lausanne
Dr. Grigory Smolentsev	Bioenergy and Catalysis Laboratory, PSI Villigen
Prof. Nicola Spaldin	Departement Materialwissenschaft, ETH Zürich
Dr. Urs Staub	Laboratory for Condensed Matter Physics, PSI Villigen
Prof. Matthias Troyer	Institut für Theoretische Physik, ETH Zürich
Prof. Dirk van der Marel	Department of Quantum Matter Physics, Université de Genève
Prof. Joost VandeVondele	Departement Materialwissenschaft, ETH Zürich
Prof. Anatole von Lilienfeld	Departement Chemie, Universität Basel
Prof. Philipp Werner	Département de Physique, Université de Fribourg
Prof. Oleg Yazyev	Institut de théorie des phénomènes physiques, EPF Lausanne

[Overview all Research Projects](#)

Participating Institutions

Universität Basel (2 groups)/Université de Fribourg (1 group)/Université de Genève (3 groups)/Università della Svizzera Italiana (1 group)/Universität Zürich (1 group)/ETH Zürich (5 groups)/EPF Lausanne (11 groups)/IBM Research GmbH (1 group)/Paul Scherrer Institut (12 groups)/Empa (4 groups)/Centro Svizzero di Calcolo Scientifico (1 group)

Members of the Review Panel

Prof. Katharina Fromm (Chair), SNF, Bern, CH
 Prof. Ali Alavi, Max-Planck Institut für Festkörperforschung, DE /
 Department of Chemistry, University of Cambridge, UK
 Prof. Christian Bernhard, SNF, Bern, CH
 Prof. Massimo Capone, Scuola Internazionale Superiore di Studi Avanzati (SISSA), IT
 Prof. Stefanie Hellweg, SNF, Bern, CH
 Prof. Klaus-Robert Müller, Technische Universität Berlin, DE
 Prof. Shobhana Narasimhan, Theoretical Sciences Unit, JNCASR, IN
 Prof. Mike Payne, Theory of Condensed Matter Group, University of Cambridge, UK
 Dr. Kristin A. Persson, Lawrence Berkeley National Laboratory, US
 Prof. Christopher M. Wolverton, Department of Materials Science & Engineering,
 Northwestern University, US

Funding

Funding Source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	5'250'000	4'390'000	4'200'000	4'160'000	18'000'000	50
Self-funding from Home Institution ¹	1'139'352	1'395'000	1'765'000	2'035'000	6'334'352	18
Self-funding from project participants	3'815'561	2'566'766	2'566'767	2'566'767	11'515'861	32
3rd party-funding	83'620	0	0	0	83'620	0
Total	10'288'533	8'351'766	8'531'767	8'761'767	35'933'833	100

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

Key collaborations with third parties

Academia

Materials' Project, Lawrence Berkeley Laboratory
 Simons Foundation, New York
 Thomas Young Centre, London
 Psi-k Network
 CECAM, EPF Lausanne
 H2020 MaX Centre of Excellence on Materials Design at the Exascale

Economy / Others

Varinor-Richemont, Delémont
 Robert Bosch Research and Technology Center, Cambridge MA
 Microsoft Corporation, Santa Barbara CA

Persons involved

Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	CN	DE	FR	GB	
Research associates ³	1	0	0	0	0	0	0	1	0
Doctoral students	23	26	2	4	1	1	0	1	14
Postdoctoral students	44	11	1	16	7	3	2	0	15
Senior researchers ⁴	32	16	13	7	0	4	1	1	6
Management	2.05 ⁵	50	3	1	0	0	2	1	0
Other staff	2	0	1	0	0	1	0	0	0
Total	104.05	18	20	28	8	9	5	4	35

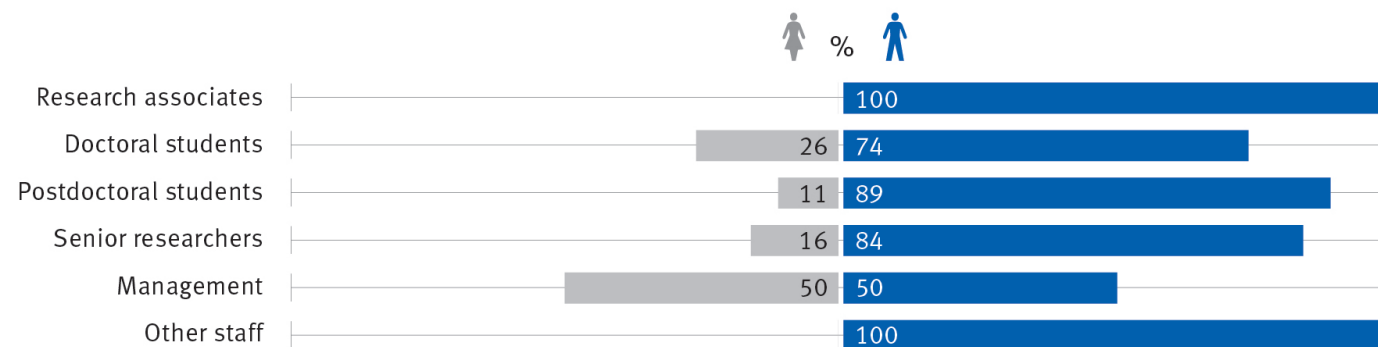
² Persons involved in the NCCR in the last reporting period (12 months)

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



NCCR Mediality

Mediality – Historical Perspectives

NCCR Director: Prof. Christian Kiening
Home Institution: University of Zurich

Heads of Research Groups

Prof. Jürg Glauser	Deutsches Seminar, Universität Zürich/ Seminar für Nordistik, Universität Basel
Prof. Christian Kiening	Deutsches Seminar, Universität Zürich
Prof. Andreas Kilcher	Departement für Geistes-, Sozial- und Staatswissenschaften, ETH-Zürich
Prof. Gesine Krüger	Historisches Seminar, Universität Zürich
Prof. Susanne Köbele	Deutsches Seminar, Universität Zürich
Prof. Barbara Neumann	Deutsches Seminar, Universität Zürich
Prof. Sabine Schneider	Deutsches Seminar, Universität Zürich
Prof. Mireille Schnyder	Deutsches Seminar, Universität Zürich
Prof. Jörg Schweinitz	Seminar für Filmwissenschaft, Universität Zürich
Prof. Martina Stercken	Historisches Seminar, Universität Zürich
Prof. Martino Stierli	Kunsthistorisches Institut, Universität Zürich
Prof. Victor Stoichita	Département d'Histoire de l'Art et Musicologie, Université Fribourg
Prof. Philipp Theisohn	Deutsches Seminar, Universität Zürich
Prof. Andreas Thier	Rechtswissenschaftliches Institut, Universität Zürich
Prof. Margrit Tröhler	Seminar für Filmwissenschaft, Universität Zürich
Prof. Hans-Georg von Arbrug	Faculté des lettres, Université de Lausanne
Prof. Tristan Weddigen	Kunsthistorisches Institut, Universität Zürich

[Overview all Research Projects](#)

Participating Institutions

Universität Basel (1 group)/Universität Zürich (14 groups)/Université de Fribourg (1 group)/
Université de Lausanne (1 group)/ETH Zürich (1 group)

Output data

Knowledge and technology transfer

839 Publications

266 Peer-reviewed articles **48** Not peer-reviewed articles
114 Books

391 Anthology articles **20** Reports

911 Presentations at congresses

227 Cooperations

227 Research institutions

NCCR Address

NCCR Mediality
University of Zurich
Rämistrasse 42
CH-8001 Zürich
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www.mediality.ch

Members of the Review Panel

Prof. Susanne Burghartz (Chair), SNF, Bern, CH
 Prof. Gerhard Fouquet, Historisches Seminar, Christian-Albrechts-Universität zu Kiel, DE
 Prof. Alexander Grob, SNF, Bern, CH
 Prof. Anton Kaes, Department of Film & Media, University of California, US
 Prof. Ingrid Kasten, Institut für Deutsche und Niederländische Philologie, Freie Universität Berlin, DE
 Prof. Klaus Krüger, Kunsthistorisches Institut, Freie Universität Berlin, DE
 Prof. Niklaus Largier, Department of German, University of California Berkeley, US
 Prof. Doris Ruhe (Emerita), Institut für Romanistik, Ernst Moritz Arndt Universität Greifswald, DE
 Prof. Peter Schulz, SNF, Bern, CH
 Prof. Wilhelm Vosskamp, Institut für deutsche Sprache und Literatur, Universität Köln, DE

Key collaborations with third parties

Academia

Arni Magnusson Institute for Icelandic Studies, University of Iceland, Reykjavík, IS
 Department of Art History, City University of New York (CUNY), US
 Department of German, Comparative Literature and Centre for Anglo-German Cultural Relations, London University, UK
 Department of Germanic Languages and Literatures, Harvard University, Cambridge, US
 Department of History, University of Mississippi, Oxford, US
 Department of Romance Languages and Literatures, Screen Arts and Cultures, University of Michigan, Ann Arbor, US
 Department of Social Anthropology, University of Cape Town, ZA
 Film Studies, Mel Hoppenheim School of Cinema, Concordia University Montréal, CA
 German Department, University of Toronto, CA
 Germanic Studies Department, University of Chicago, US
 Historisches Seminar, Universität Freiburg, CH
 Institute for Cultural Inquiry, Media and Performance Studies, Universität Utrecht, NL
 Institut für Afrikawissenschaften, Universität Wien, AT
 Institut für Klassische Philologie, Universität München, DE
 Institutt for lingvistiske og nordiske studier, Universitetet i Oslo, NO
 School of Geography, Queen's University Belfast, IE
 Seminar für Deutsche Philologie, Georg-August-Universität Göttingen, DE
 Seminar für Deutsche Philologie, Universität Mannheim, DE
 Systematische Theologie/ Religionsphilosophie, Universität Rostock, DE
 Wissenschaftsgeschichte der Geistes- und Sozialwissenschaften, Universität Konstanz, DE

Funding

Funding Source (CHF)	Year 9	Year 10	Year 11	Year 12	Total Phase 3	%
SNSF-funding	1'088'000	1'176'000	1'176'000	760'000	4'200'000	41
Self-funding from Home Institution ¹	806'323	719'714	693'113	693'113	2'912'263	28
Self-funding from project participants	931'525	825'003	750'000	750'000	3'256'528	31
3rd party-funding		0			0	0
Total	2'825'848	2'720'717	2'619'113	2'203'113	10'368'791	100

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

Persons involved

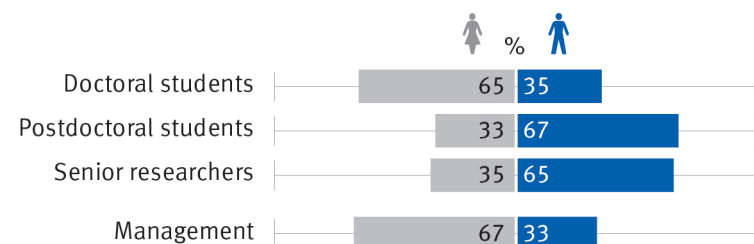
Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	AT	GB	HK	IT	
Doctoral students	17	65	11	6	1	0	0	0	0
Postdoctoral students	3	33	0	2	0	1	1	0	0
Senior researchers ³	20	35	7	13	0	0	0	0	1
Management	2.86 ⁴	67	6	6	0	0	0	1	0
Total	42.86	52	24	27	1	1	1	1	1

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

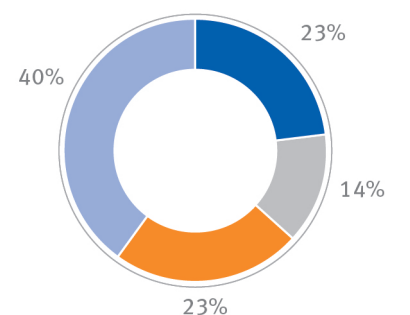
³ Including leaders of the individual projects and other organisational units of the NCCR

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

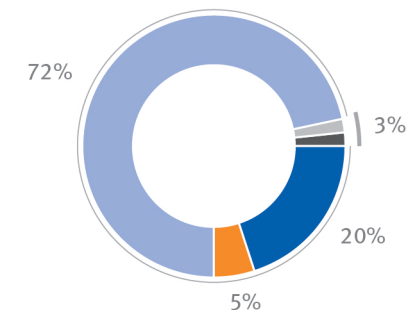


Training state of doctoral students



in progress	15
dropout	9
continuation outside NCCR	15
completed	26
Total	65

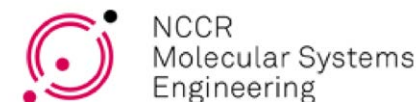
Next employer of master, doctoral and postdoctoral students



Public sector	12
Private sector	3
Academic sector	43
Other	1
None/not known	1
Total	60

NCCR MSE

Molecular Systems Engineering



NCCR Director: Prof. Wolfgang Meier, NCCR Co-Director: Prof. Daniel Müller
Home Institutions: University of Basel / ETH Zurich

Heads of Research Groups

Prof. Yaakov Benenson
Prof. Nikola Biller-Andorno

Dr. Michel Calame
Dr. Urs Dürig
Prof. Dimitrios Fotiadis
Prof. Martin Fussenegger
Prof. Karl Gademann
Prof. Catherine Housecroft
Prof. Stefan Matile
Prof. Marcel Mayor
Prof. Wolfgang Meier
Prof. Daniel Müller
Prof. Cornelia Palivan
Prof. Sven Panke
Prof. Sai Reddy
Dr. Botond Roska
Prof. Gebhard Schertler
Prof. Francesco Stellacci
Prof. Jörg Stelling
Prof. Savas Tay
Prof. Viola Vogel

Prof. Janos Vörös
Prof. Thomas R. Ward
Prof. Oliver Wenger

[Overview all Research Projects](#)

Departement Biosystems Science and Engineering, ETH Zürich
Institut für Biomedizinische Ethik und Medizingeschichte,
Universität Zürich
Departement Physik, Universität Basel
IBM Research GmbH, Zürich
Institut für Biochemie und Molekulare Medizin, Universität Bern
Departement Biosystems Science and Engineering, ETH Zürich
Departement Chemie, Universität Zürich
Departement Chemie, Universität Basel
Section Chimie et Biochimie, Université de Genève
Departement Chemie, Universität Basel
Departement Chemie, Universität Basel
Departement Biosystems Science and Engineering, ETH Zürich
Departement Chemie, Universität Basel
Departement Biosystems Science and Engineering, ETH Zürich
Departement Biosystems Science and Engineering, ETH Zürich
Neurobiologie, Friedrich Miescher Institut, Basel
Paul Scherrer Institut PSI, Villigen
Institut Bioengineering, EPF Lausanne
Departement Biosystems Science and Engineering, ETH Zürich
Departement Biosystems Science and Engineering, ETH Zürich
Departement Gesundheitswissenschaften und Technologie,
ETH Zürich
Institut für Biomedizinische Technik, ETH Zürich
Departement Chemie, Universität Basel
Departement Chemie, Universität Basel

Output data

Knowledge and technology transfer

30 Publications
30 Peer-reviewed articles
34 Presentations at congresses
33 Cooperations
3 Programmes **5** Private sector
25 Research institutions
3 Transfer activities
2 Patents/licences **1** CTI projects

NCCR Address

NCCR Molecular Systems Engineering
Universität Basel
Klingelbergstrasse 80
CH-4056 Basel
+41 (0) 61 267 19 90
www.nccr-mse.ch

Participating Institutions

Universität Basel (9 groups)/Universität Zürich (1 group)/Université de Genève (1 group)/
Universität Bern (1 group)/ETH Zürich (9 groups)/EPF Lausanne (1 group)/
Friedrich Miescher Inst. (1 group)/Paul Scherrer Institut (1 group)/IBM Research GmbH (1 group)

Members of the Review Panel

Prof. Philippe Rudolf von Rohr (Chair), SNF, Bern, CH
Prof. Luisa De Cola, Institut de Science et d'Ingénierie, Supramoléculaires,
Université de Strasbourg, FR
Prof. Jean M. J. Frechet, Department of Chemistry, University of California, US
Prof. Kai Johnsson, SNF, Bern, CH
Prof. Wolfgang Knoll, AIT Austrian Institute of Technology, AT
Prof. Timothy K. Lu, Department of Electrical Engineering and Computer Science, MIT Synthetic
Biology Center, Massachusetts Institute of Technology, US
Prof. Isabelle Mansuy, SNF, Bern, CH
Prof. Joachim P. Spatz, Max-Planck-Institut für intelligente Systeme, DE
Prof. Gregory Stephanopoulos, Massachusetts Institute of Technology, US
Prof. Gerhard Wegner, Max-Planck-Institut für Polymerforschung, DE
Prof. Tanja Weil, Institut für Organische Chemie III, Universität Ulm, DE

Key collaborations with third parties

Academia

Laboratory of Molecular Biology, MRC, Cambridge, UK
Cavendish Laboratory, University of Cambridge, UK
Technical University Delft, NL
Department of Physics, Georgia Tech, Atlanta, US
Institute of Bioprocess Engineering, University of Stuttgart, DE
Department of Bioengineering, MIT, US
Department of Mathematics, Rutgers University, Piscataway, US
Molecular and Cellular Physiology and Medicine, Stanford University, US
Max Planck Institute for Biophysics, Frankfurt, DE
Systems Neurobiology Laboratories, Salk Institute, La Jolla, US
Department of Chemistry, Colorado State University, US
School of Chemistry, University of Manchester, UK
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Institut für Technologie, DE
Instituto de Ciencia Molecular, University of Valencia, SP
Department of Chemistry and Biotechnology, University of Tokyo, JP
Theoretische und computergestützte Biophysik, Max Planck Institut für
Biophysikalische Chemie Göttingen, DE
Max-Planck-Institut für Kolloid und Grenzflächenforschung, Potsdam, DE
Molecular Environmental Microbiology Laboratory, Centro Nacional de
Biotecnología, SP
Institut für Chemie, Technische Universität Berlin, DE
BIOSS Centre for Biological Signaling Studies,
Albert-Ludwigs-Universität Freiburg, DE
FP 7 CELLO, FP 7 HYSENS, FP 7 HETEROMOLMAT, FP 7 METACODE

Industry

Avails Medical Inc., Menlo Park, US
DSM Nutritional Products AG, Kaiseraugst, CH
Gensight Biologics, Paris, FR
Lonza LTD, Basel, CH
Nanosurf AG, Liestal, CH
Roche (Genia Technologies), Mountain View, US
SwissLitho AG, Zurich, CH

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	4'225'000	4'225'000	4'225'000	4'225'000	16'900'000	60
Self-funding from Home Institution ¹	2'325'000	2'325'000	2'325'000	2'325'000	9'300'000	33
Self-funding from project participants	1'913'148	0	0	0	1'913'148	7
3rd party-funding	132'005	0	0	0	132'005	0
Total	8'595'153	6'550'000	6'550'000	6'550'000	28'245'153	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
				DE	IT	US	FR	GB	
Research associates ³	3	67	2	0	0	0	0	0	2
Doctoral students	42	24	10	16	3	2	2	1	8
Postdoctoral students	31	26	5	11	1	2	2	1	11
Senior researchers ⁴	33	15	13	7	1	2	0	1	11
Management	3.93 ⁵	46	9	3	1	0	0	0	1
Other staff	2	50	1	0	0	0	1	0	0
Total	116.93	26	40	37	6	6	5	3	33

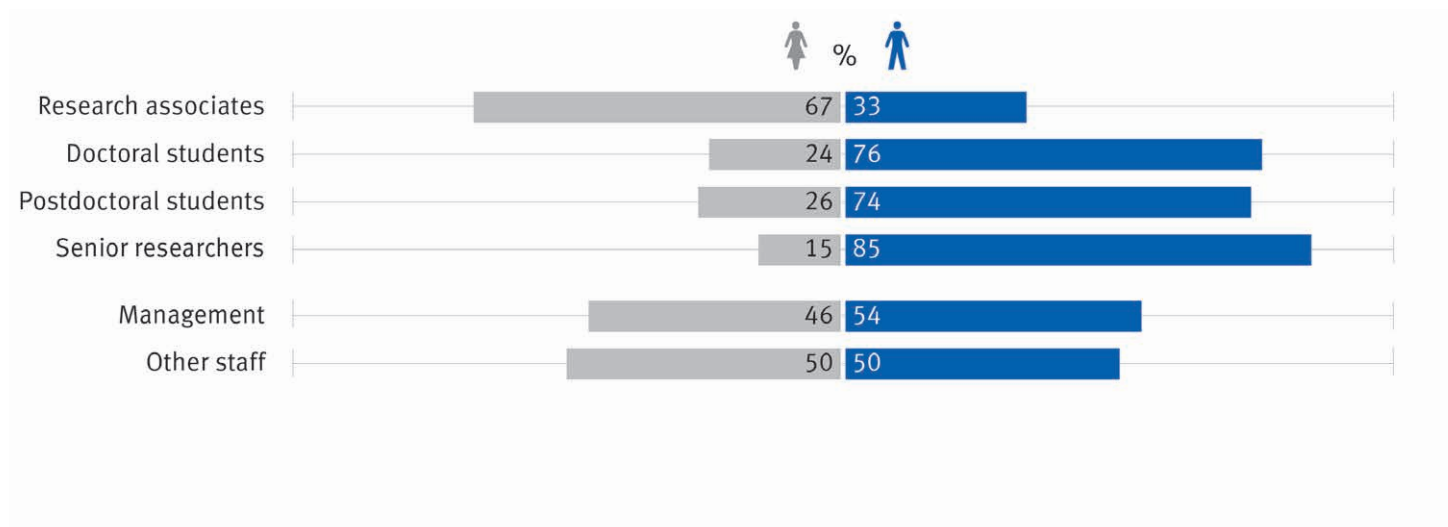
² Persons involved in the NCCR in the last reporting period (12 months)

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





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

Heads of Research Groups

Dr. Paul Beaud

Prof. Andrea Cannizzo

Prof. Fabrizio Carbone

Prof. Majed Chergui

Prof. Thomas Feurer

Prof. Peter Hamm

Dr. Matthias Hengsberger

Prof. Steve Johnson

Prof. Ursula Keller

Prof. Markus Meuwly

Dr. Chris Milne

Prof. Jacques-E. Moser

Prof. Jürg Osterwalder

Prof. Ursula Röthlisberger

Dr. Hans Sigg

Dr. Urs Staub

Prof. Thomas Südmeyer

Prof. Jeroen van Bokhoven

Prof. Jiri Vanicek

Prof. Jean-Pierre Wolf

Prof. Hans Jakob Wörner

[Overview all Research Projects](#)

Laboratory for Synchrotron Radiation – Condensed Matter,
PSI Villigen

Institut für Angewandte Physik, Universität Bern

Institut de Physique de la Matière Condensée, EPF Lausanne

Institut des Sciences et Ingénierie Chimiques, EPF Lausanne

Institut für Angewandte Physik, Universität Bern

Physikalisch-Chemisches Institut, Universität Zürich

Physik-Institut, Universität Zürich

Institut für Quantenelektronik, ETH Zürich

Institut für Quantenelektronik, ETH Zürich

Departement Chemie, Universität Basel

SwissFEL, Paul Scherrer Institut PSI, Villigen

Institut des Sciences et Ingénierie Chimiques, EPF Lausanne

Physik-Institut, Universität Zürich

Institut des Sciences et Ingénierie Chimiques, EPF Lausanne

Laboratory for Micro and Nanotechnology, PSI Villigen

Laboratory for Synchrotron Radiation – Condensed Matter,
PSI Villigen

Laboratoire Temps-Fréquence, Université de Neuchâtel

Institut für Chemie- und Bioingenieurwissenschaften,
ETH Zürich

ETH Zürich

Institut des Sciences et Ingénierie Chimiques, EPF Lausanne

Groupe de Physique Appliquée, Université de Genève

Laboratorium für Physikalische Chemie, ETH Zürich

Output data

Knowledge and technology transfer

514 Publications

483 Peer-reviewed articles **16** Not peer-reviewed articles
5 Books

7 Anthology articles **3** Reports

723 Presentations at congresses

120 Cooperations

10 Programmes **13** Private sector

90 Research institutions **7** Other

10 Transfer activities

4 Start-ups **5** CTI projects

1 Prototypes/processes

NCCR Address

NCCR MUST Office
ETH Zurich, IQE/Ultrafast Laser Physics
Auguste-Piccard-Hof 1 - HPT H3
CH-8093 Zurich
+41 (0) 44 633 29 90
www.nccr-must.ch

Participating Institutions

Universität Basel (1 group)/Universität Bern (2 groups)/Universität Zürich (2 groups)/Université de Genève (1 group)/Université de Neuchâtel (1 group)/EPF Lausanne (5 groups)/ETH Zürich (4 groups)/Paul Scherrer Institut PSI (3 groups)/Université de Fribourg (1 group)

Members of the Review Panel

Prof. Dirk van der Marel (Chair), SNF, Bern, CH
 Prof. Regina de Vivie-Riedle, Department Chemie, Ludwig-Maximilians-Universität München, DE
 Prof. Thomas Elsaesser, Max-Born-Institut, Berlin, DE
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 Prof. Samuel Leutwyler, SNF, Bern, CH
 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. Frank Scheffold, SNF, Bern, CH
 Prof. Villy Sundström, Kemiska Institutionen, Lunds Universitet, SE
 Prof. Martin Wolf, Abteilung Physikalische Chemie, Fritz-Haber Institut der MPG, DE

Key collaborations with third parties

Academia

Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, PL
 Physikalisches Institut, Alberts-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, USA
 Department of Chemistry, University of California, Irvine, USA
 Institute of Applied Physics, KIT Karlsruhe, Germany
 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 Institute für Struktur und Dynamik der Materie/CFEL, Hamburg, DE
 Department of Chemistry, Copenhagen University, DK

Economy / Industry

Bystronic, Niederoenz, CH
 Novartis, Basel, CH
 OneFive, Zürich, CH
 Rainbow Photonics AG, Zürich, CH
 IONIGHT, Bern, CH
 Clair, Genève, CH
 AME GmbH, Bern, CH
 SThAR, Lausanne, CH
 Supercomputing Systems AG, Zürich CH

Funding

Funding Source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	4'968'842	4'458'000	4'458'000	3'458'000	17'342'842	46
Self-funding from Home Institution ²	1'823'000	1'823'000	1'823'000	1'115'000	6'584'000	17
Self-funding from project participants	3'202'250	3'767'250	3'451'050	3'449'050	13'869'600	37
3rd party-funding	0	0	0	0	0	0
Total	9'994'092	10'048'250	9'732'050	8'022'050	37'796'442	100

¹ incl. compensation for PhD salaries increase and 120% support-grant in Year 5

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

Persons involved

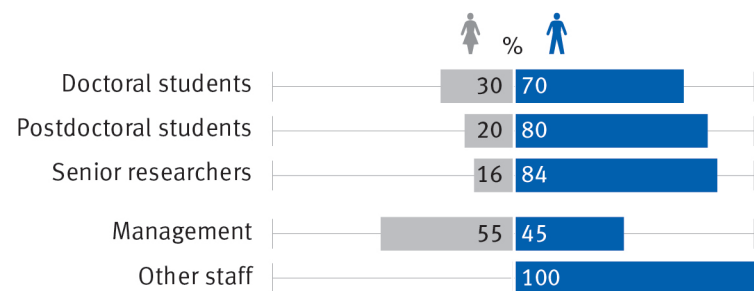
Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	FR	IN	NL	
Doctoral students	57	30	10	16	4	4	5	1	17
Postdoctoral students	51	20	5	8	9	3	2	1	24
Senior researchers ⁴	32	16	17	5	3	1	0	3	4
Management	3.63 ⁵	55	8	2	0	0	0	1	1
Other staff	8	0	7	0	1	0	0	0	0
Total	151.63	24	47	31	17	8	7	6	46

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

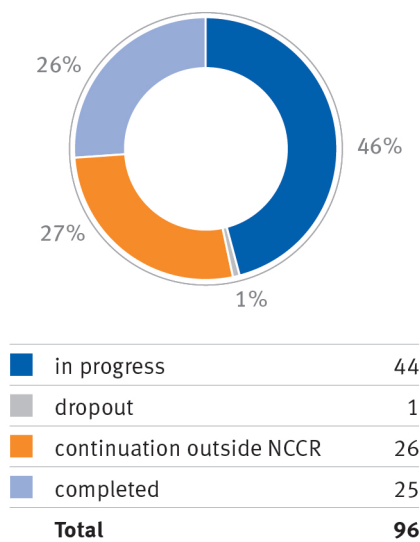
⁴ Including leaders of the individual projects and other organisational units of the NCCR

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

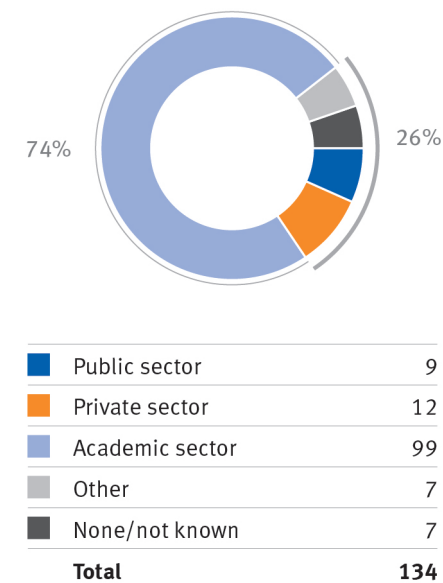
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR On the Move

The Migration-Mobility Nexus

NCCR Director: Prof. Gianni D'Amato
Home Institution: University of Neuchâtel

Heads of Research Groups

Prof. Alberto Achermann	Institut für öffentliches Recht, Universität Bern
Prof. Christin Achermann	Cantre de droit des migrations, Université de Neuchâtel
Prof. Cesla Amarelle	Faculté de droit, Université de Neuchâtel
Prof. Giuliano Bonoli	Institut de Hautes Études en Administration Publique, Université de Lausanne
Prof. Martina Caroni	Rechtswissenschaftliche Fakultät, Universität Luzern
Prof. Janine Dahinden	Maison d'analyse des processus sociaux, Université de Neuchâtel
Prof. Gianni D'Amato	Forum Suisse pour l'étude des migrations et de la population, Université de Neuchâtel
Dr. Rosita Fibbi	Forum Suisse pour l'étude des migrations et de la population, Université de Neuchâtel
Prof. Yves Flückiger	Laboratoire d'Économie Appliquée (LEA), Université de Genève
Prof. Matteo Gianni	Département de sc. Politique et relations internationales, Université de Genève
Prof. Walter Kälin	Institut für öffentliches Recht, Universität Bern
Prof. Jörg Künzli	Institut für öffentliches Recht, Universität Bern
Prof. Walter Leimgruber	Seminar für Kulturwissenschaft und Europäische Ethnologie, Universität Basel
Prof. Tobias Müller	Institut d'Économie et d'Économétrie, Université de Genève
Prof. Etienne Piguet	Institut de géographie, Université de Neuchâtel
Prof. Sarah Progin-Theuerkauf	Rechtswissenschaftliche Fakultät, Universität Freiburg
Prof. George Sheldon	Wirtschaftswissenschaftliche Fakultät, Universität Basel
Prof. Alois Stutzer	Wirtschaftswissenschaftliche Fakultät, Universität Basel
Prof. Philippe Wanner	Institut de Démographie et Socioéconomie, Université de Genève
Prof. Tania Zittoun	Institut de psychologie et éducation, Université de Neuchâtel

[Overview all Research Projects](#)

Output data

Knowledge and technology transfer

38 Publications

4 Peer-reviewed articles **14** Not peer-reviewed articles

7 Books **2** Reports

11 Anthology articles **19** Presentations at congresses

8 Cooperations

4 Research institutions **4** Other

NCCR Address

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CH-2000 Neuchâtel
+41 (0) 32 718 39 25
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Participating Institutions

Université de Neuchâtel (6 groups)/Universität Luzern (1 group)/Université de Lausanne (1 group)/
Universität Bern (2 groups)/Université de Genève (3 groups)/Université de Fribourg (1 group)/
Universität Basel (2 groups)

Members of the Review Panel

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Prof. Gil S. Epstein, Department of Economics, School of Graduate Studies, Bar-Ilan University, IL
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Key collaborations with third parties

Academia

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

Others

Centre de compétence suisse en sciences sociales – FORS, Université de Lausanne, CH
Centre suisse de compétence pour les droits humains CSDH
The Centre for European Policy Studies, Bruxelles
Commission Fédérale pour les questions de Migration, Wabern, CH
Forum of International and European Research on Immigration – FIERI, Torino
International Labour Organization, Labour Migration Branch
Office fédéral de la statistique, Neuchâtel, CH
Secrétariat d'Etat aux migrations, Wabern, CH

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	4'308'125	4'300'000	4'300'000	4'300'000	17'208'125	68
Self-funding from Home Institution ¹	328'979	745'500	811'167	876'833	2'762'479	11
Self-funding from project participants	840'000	1'537'000	1'537'000	1'537'000	5'451'000	21
3rd party-funding	0	0	0	0	0	0
Total	5'477'104	6'582'500	6'648'167	6'713'833	25'421'604	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
				DE	IT	AT	BR	FR	
Research associates ³	3	67	0	2	0	1	0	0	0
Doctoral students	29	66	17	4	1	0	1	0	9
Postdoctoral students	15	60	5	1	4	2	0	2	4
Senior researchers ⁴	20	40	17	2	1	0	0	0	0
Management	5.45 ⁵	65	13	2	1	0	1	0	0
Total	72.45	58	52	11	7	3	2	2	13

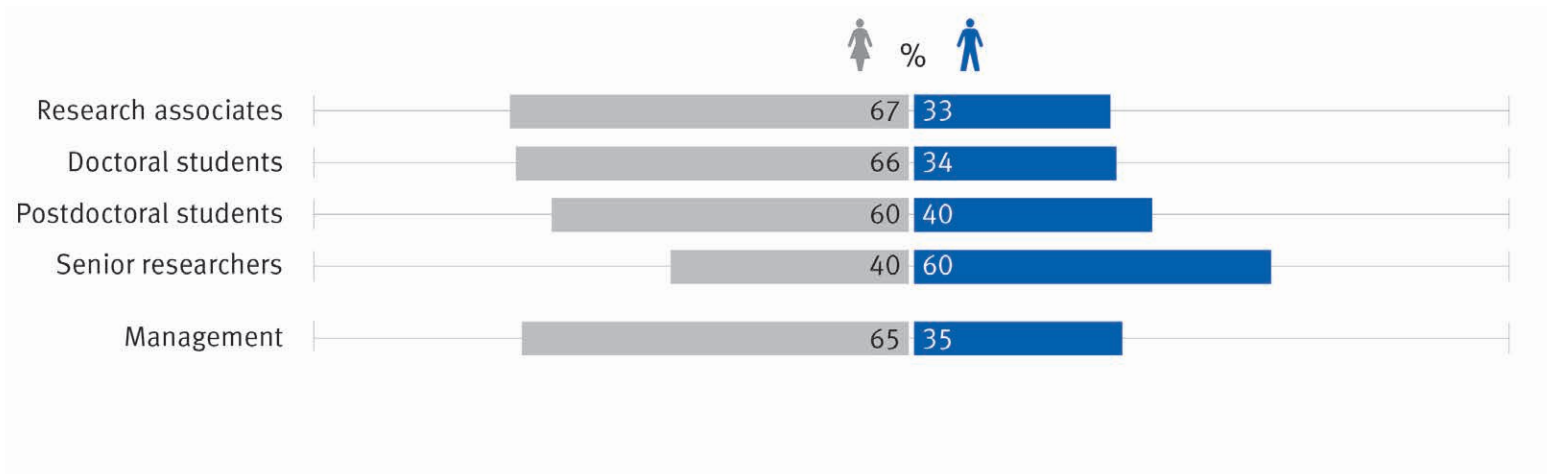
² Persons involved in the NCCR in the last reporting period (12 months)

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



NCCR PlanetS

Origin, Evolution and Characterisation of Planets



NCCR Director: Prof. Willy Benz, NCCR Co-Director: Prof. Stéphane Udry
Home Institution: University of Berne, University of Genève

Heads of Research Groups

Prof. Willy Benz	Physikalisches Institut, Universität Bern
Prof. Michael R. Meyer	Institut für Astronomie, ETH Zürich
Prof. Klaus Mezger	Institut für Geologie, Universität Bern
Prof. Ben Moore	Institut für Computergestützte Wissenschaften, Universität Zürich
Prof. Francesco Pepe	Observatoire, Université de Genève
Prof. Maria Schönbachler	Institut für Geochemie und Petrologie, ETH Zürich
Prof. Nicolas Thomas	Physikalisches Institut, Universität Bern
Prof. Stéphane Udry	Observatoire, Université de Genève

[Overview all Research Projects](#)

Participating Institutions

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

Output data Knowledge and technology transfer

62 Publications

36 Peer-reviewed articles **25** Not peer-reviewed articles
1 Books

39 Presentations at congresses

1 Transfer activities **1** Cooperations
1 CTI projects **1** Private sector

NCCR Address

NCCR PlanetS
Physikalisches Institut
Universität Bern
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CH-3012 Bern
+41 (0) 31 631 32 39
<https://nccr-planets.ch>

Members of the Review Panel

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Prof. Imke de Pater, Department of Astronomy, University of California at Berkeley, US
Prof. Debra Fischer, Department of Astronomy, Yale University, New Haven, US
Prof. Anna Fontcuberta i Morral, SNF, Bern, CH
Prof. Jamie Gilmour, School of Earth, Atmospheric and Environmental Sciences, The University of Manchester, UK
Prof. Simon Lilly, SNF, Bern, CH
Prof. Lisa Kaltenegger, Department of Astronomy, Cornell University, Ithaca, US
Prof. Douglas N C Lin, Astronomy & Astrophysics Department, UC Santa Cruz, US
Dr. Larry R. Nittler, Department of Terrestrial Magnetism, Carnegie Institution of Washington, US
Prof. Ewine F. van Dishoeck, Leiden Observatory, NL

Key collaborations with third parties

International Organisations / Agencies

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

Economy/Others

Burgergemeinde Zermatt
Muséum d'Histoire Naturelles et Musée d'Histoire des Sciences de la ville de Genève

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	4'400'000	4'400'000	4'400'000	4'400'000	17'600'000	51
Self-funding from Home Institution ¹	1'451'500	2'137'500	2'040'500	1'960'500	7'590'000	22
Self-funding from project participants	2'268'896	2'418'967	2'326'057	2'284'217	9'298'137	27
3rd party-funding	0	0	0	0	0	0
Total	8'120'396	8'956'467	8'766'557	8'644'717	34'488'137	100

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

Persons involved

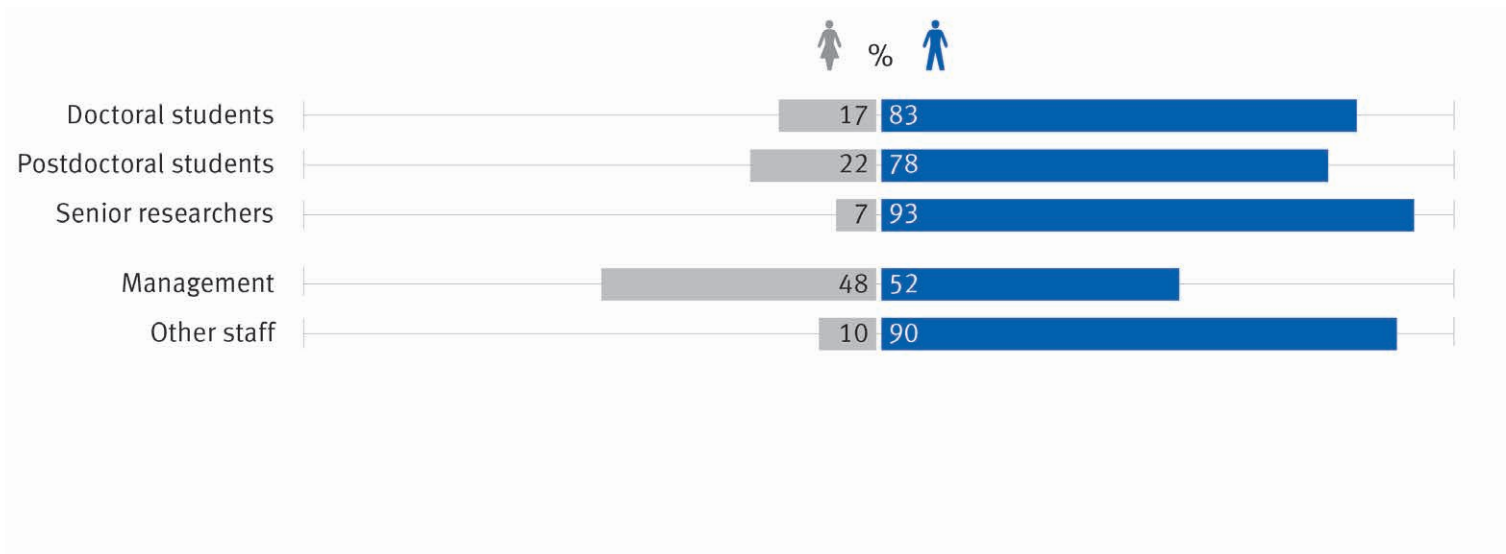
Personnel ²	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				FR	DE	GB	US	IT	
Doctoral students	18	17	2	6	3	2	1	0	5
Postdoctoral students	18	22	1	4	2	0	0	2	9
Senior researchers ³	28	7	10	5	4	1	2	2	4
Management	6.37 ⁴	48	15	1	1	1	2	1	3
Other staff	10	10	7	3	0	0	0	0	1
Total	80.37	21	35	19	10	4	5	5	22

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

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



NCCR QSIT Quantum Science and Technology

NCCR Director: Prof. Klaus Ensslin, NCCR Co-Director: Prof. Richard Warburton
Home Institutions: ETH Zurich, University of Basel

Heads of Research Groups

Prof. Johann Blatter	Institut für Theoretische Physik, ETH Zürich
Prof. Christoph Bruder	Departement Physik, Universität Basel
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, EPF Lausanne
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, EPF Lausanne
Prof. Jelena Klinovaja	Departement Physik, Universität Basel
Prof. Daniel Loss	Departement Physik, Universität Basel
Prof. Patrick Maletinsky	Departement Physik, Universität Basel
Prof. Frédéric Merkt	Laboratorium für Physikalische Chemie, ETH Zürich
Prof. Alberto Morpurgo	Département de physique de la matière quantique, Université de Genève
Prof. Lukas Novotny	Department Informationstechnologie und Elektrotechnik, ETH Zürich
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Prof. Christian Schönenberger	Departement Physik, Universität Basel
Prof. Philipp Treutlein	Departement Physik, Universität Basel
Prof. Matthias Troyer	Institut für Theoretische Physik, ETH Zürich
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

Output data Knowledge and technology transfer

719 Publications
682 Peer-reviewed articles **18** Not peer-reviewed articles
8 Books **1** Reports
10 Anthology articles **1** Reports
1710 Presentations at congresses
143 Cooperations
63 Programmes **5** Private sector
74 Research institutions **1** Other
17 Transfer activities
12 Patents/licences **3** CTI projects
2 Prototypes/processes

NCCR Address

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 Prof. Dominik Zumbühl Departement Physik, Universität Basel

[Overview all Research Projects](#)

Participating Institutions

Universität Basel (10 groups)/Université de Genève (3 groups)/Università della Svizzera Italiana Lugano (1 group)/EPF Lausanne (2 groups)/ETH Zürich (15 groups)/IBM Research Laboratory Rüschlikon (2 groups)

Members of the Review Panel

Prof. Dirk van der Marel (Chair), SNF, Bern, CH
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Key collaborations with third parties

Academia

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 Keio University Yokohama, ITOH group, JP
 Istituto di Fotonica e Nanotecnologie, IT
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 Inst. für Theoretische Physik, University of Innsbruck, AT
 Ecole normale supérieure, FR
 Quantum optics laboratory, Harvard University, Cambridge, US
 Theory Department, Lancaster University, UK
 Department of material science, Tohoku University, JP
 METAS Swiss Federal Office for Metrology
 Département de Physique, Université de Sherbrooke, CAN
 Lehrstuhl für Angewandte Festkörperphysik, Ruhr-University Bochum, DE
 Kavli Institute of NanoScience, Technische Universität Delft, NL
 Fachhochschule Nordwestschweiz, Muttenz, CH
 Ludwig-Maximilians Universität München, DE
 Stanford University, Stanford, US
 University of Texas, Austin, US

Economy/Others

Google, US
 Microsoft Corporation, US
 Corning, New York, US
 ID Quantique, CH

Funding

Funding source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	5'602'451	5'400'000	4'900'000	4'720'000	20'622'451	35
Self-funding from Home Institution ²	4'132'500	4'132'500	4'132'500	4'132'500	16'530'000	28
Self-funding from project participants	7'562'908	5'659'000	4'956'000	4'240'000	22'417'908	37
3rd party-funding	0	0	0	0	0	0
Total	17'297'859	15'191'500	13'988'500	13'092'500	59'570'359	100

¹ incl. compensation for PhD salaries increase and 120% support-grant in Year 5

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	CN	GB	
Research associates ⁴	5	20	2	1	0	1	0	0	1
Doctoral students	69	22	25	15	5	3	1	1	23
Postdoctoral students	32	9	2	9	7	1	2	1	10
Senior researchers ⁵	38	8	15	10	0	3	1	2	7
Management	3.8 ⁶	50	5	6	0	0	0	1	3
Other staff	17	6	9	5	0	0	0	0	3
Total	164.8	17	58	46	12	8	4	5	47

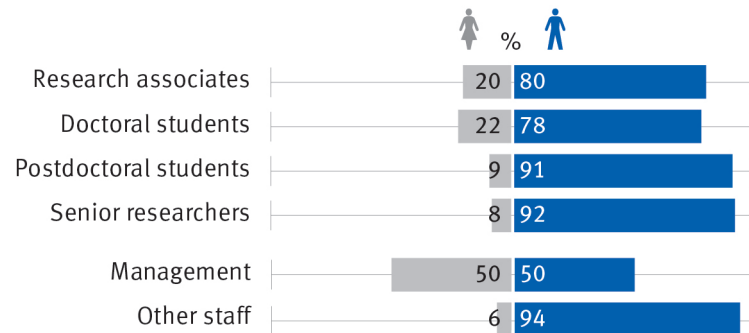
³ Persons involved in the NCCR in the last reporting period (12 months)

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

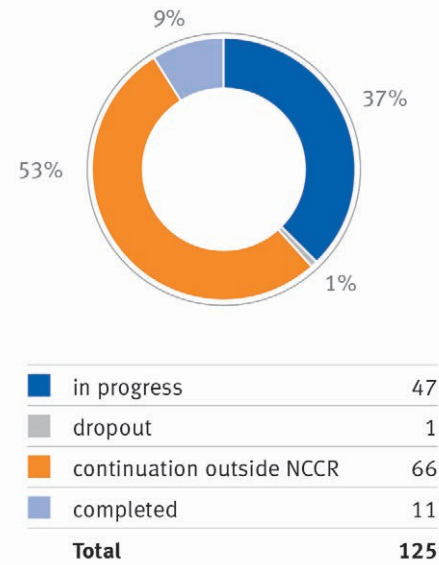
⁵ Including leaders of the individual projects and other organisational units of the NCCR

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

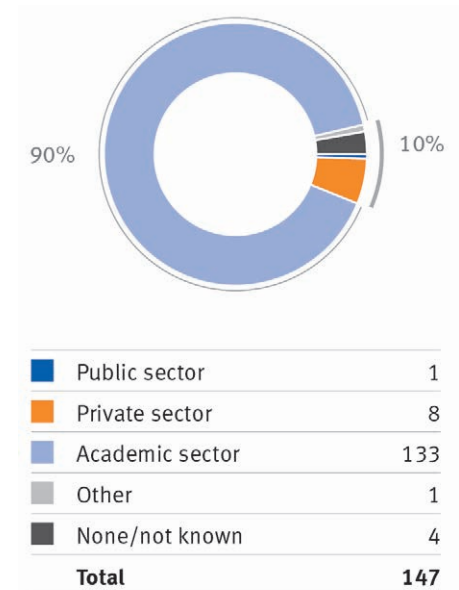
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR RNA & Disease

The Role of RNA Biology in Disease Mechanisms



NCCR Director: Prof. Oliver Mühlemann, NCCR Co-Director: Prof. Frédéric Allain
Home Institutions: University of Bern, ETH Zurich,

Heads of Research Groups

Prof. Frédéric Allain	Departement Biologie, ETH Zürich
Prof. Nenad Ban	Departement Biologie, ETH Zürich
Prof. Marc Bühler	Friedrich Miescher Institut FMI Basel
Prof. Constance Ciaudo	Departement Biologie, ETH Zürich
Prof. David Gatfield	Faculté de biologie et de médecine, Université de Lausanne
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Prof. Michael Hall	Biozentrum, Universität Basel
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Prof. Ana-Claudia Marques	Département de Physiologie, Université de Lausanne
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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. Daniel Schümperli	Institut für Zellbiologie, Universität Bern
Prof. Markus Stoffel	Departement Biologie, ETH Zürich
Prof. Mihaela Zavolan	Biozentrum, Universität Basel

[Overview all Research Projects](#)

Participating Institutions

Universität Bern (5 groups)/ETH Zürich (6 groups)/Universität Basel (2 groups)/Friedrich Miescher Institut FMI (2 groups)/EPF Lausanne (1 group)/Universität Zürich (2 groups)/Université de Lausanne (2 groups)

Output data

Knowledge and technology transfer

10 Publications

10 Peer-reviewed articles

43 Presentations at congresses

9 Cooperations

5 Other **3 Private sector**

1 Research institutions

NCCR Address

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Prof. Anne Ephrussi, European Molecular Biology Laboratory, Heidelberg DE
Prof. Elisa Izaurralde, Max-Planck-Institute für Entwicklungsbiologie, DE
Prof. Maurice S. Swanson, Department of Molecular Genetics and Microbiology, University of Florida, US
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Key collaborations with third parties

Academia

Fondation Dufloteau, Zürich, Switzerland
Holcim Stiftung zur Förderung der wissenschaftlichen Forschung, Holcim, Holderbank, Switzerland, Dr. h.c. Thomas Schmidheiny
NOMIS Foundation, Nomis, Samedan, Switzerland
Novartis, Basel, Switzerland
Promedica Stiftung, Chur, Switzerland, Prof. Dr. Roland Siegwart
Schweizerische Stiftung für die Erforschung der Muskelkrankheiten, SSEM, Cortaillod, Switzerland, Dr. Jacques Rognon
Triemli Hospital, Zurich, Switzerland, Swiss reference center for porphyrias

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding ¹	3'705'907	4'055'735	4'401'000	4'499'000	16'661'642	42
Self-funding from Home Institution ²	2'720'000	3'300'000	3'770'000	3'620'000	13'410'000	34
Self-funding from project participants	2'816'790	2'152'500	2'171'500	2'171'500	9'312'290	23
3rd party-funding	258'618	201'382	0	0	460'000	1
Total	9'501'315	9'709'617	10'342'500	10'290'500	39'843'932	100

¹ incl. 120% support-grant in Year 1 and 2 and Doc-Mobility in Year 2

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	IN	AT	US	
Research associates ⁴	1	0	0	0	0	0	0	0	1
Doctoral students	27	52	12	3	1	1	3	0	7
Postdoctoral students	21	33	2	1	1	6	2	3	7
Senior researchers ⁵	34	15	10	9	6	1	1	0	7
Management	3.62 ⁶	50	7	0	1	0	1	0	3
Other staff	28	75	13	5	4	0	0	1	6
Total	114.62	43	44	18	13	8	7	4	31

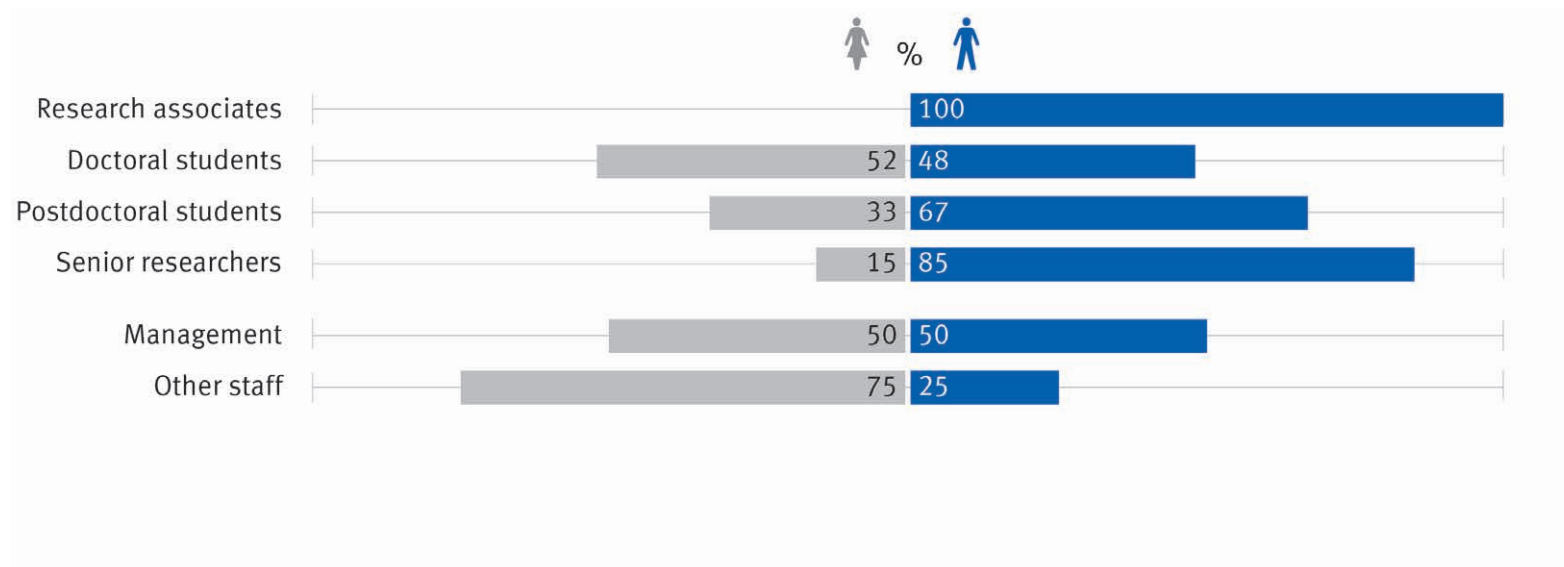
³ Persons involved in the NCCR in the last reporting period (12 months)

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



NCCR Robotics

Intelligent Robots for Improving the Quality of Life

NCCR Director: Prof. Dario Floreano, NCCR Co-Director: Prof. Robert Riener
Home Institutions: EPF Lausanne, ETH Zurich

Heads of Research Groups

Prof. David Atienza Prof. Aude Billard	Embedded Systems Laboratory (ESL), EPF Lausanne Laboratory of Learning Algorithms and Systems (LASA), EPF Lausanne
Prof. Olaf Blanke	Cognitive Neuroscience Brain-Mind Institute (INCO), EPF Lausanne
Prof. Jonas Buchli Prof. Grégoire Courtine Prof. Tobias Delbruck Prof. Pierre Dillenbourg	Agile and Dexterous Robotics Lab (ADRL), ETH Zürich Chair in Spinal Cord Repair (IRP), EPF Lausanne Institut für Neuroinformatik, Universität Zürich, ETHZ Computer Human Interaction in learning and instruction (CHILI), EPF Lausanne
Prof. Dario Floreano Prof. Luca Gambardella Prof. Roger Gassert Prof. Marco Hutter Prof. Auke Ijspeert Prof. Stéphanie Lacour	Laboratory of Intelligent Systems (LIS), EPF Lausanne Dalle Molle Institute for Artificial Intelligence (IDSIA) RELab, ETH Zürich Robotics Systems Lab (RSL), ETH Zürich BIORob, EPF Lausanne Laboratory for Soft Bioelectronic Interfaces (LSBI), EPF Lausanne
Prof. Silvestro Micera Prof. José Millán Prof. Francesco Mondada Prof. Jamie Paik Prof. Robert Riener Prof. Davide Scaramuzza Prof. Roland Siegwart	Translational Neural Engineering Lab (TNE), EPF Lausanne DEFITECH Chair in Brain-Machine Interface CNBI, EPF Lausanne Laboratory of Robotics Systems (LSRO), EPF Lausanne Reconfigurable Robotics Laboratory (RRL), EPF Lausanne Sensory Motor Systems Lab (SMS), ETH Zürich Robotics and Perception Group (RPG), Universität Zürich Autonomous Systems Lab (ASL), ETH Zürich

[Overview all Research Projects](#)

Participating Institutions

Universität Zürich (1 group)/EPF Lausanne (12 groups)/ETH Zürich (6 groups)/Dalle Molle Institute for Artificial Intelligence IDSIA, Manno (1 group)

Output data

Knowledge and technology transfer

457 Publications
377 Peer-reviewed articles **36** Not peer-reviewed articles
11 Books **14** Anthology articles **19** Reports
574 Presentations at congresses
124 Cooperations
13 Programmes **21** Private sector
77 Research institutions **13** Other
70 Transfer activities
18 Patents/licences **4** CTI projects
10 Start-ups **38** Prototypes/processes

NCCR Address

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 Prof. Martin Hägele, Fraunhofer-Institut für Produktionstechnik und Automatisierung PIA, DE
 Prof. William Harwin, School of Systems Engineering, University of Reading, UK
 Prof. Katherine J. Kuchenbecker, Haptics Group, GRASP Lab, University of Pennsylvania, US
 Prof. David J. Reinkensmeyer, Biorobotics Laboratory, Department of Mechanical and Aerospace Engineering, University of California at Irvine, US
 Prof. Lothar Thiele, SNF, Bern, CH
 Prof. Carme Torras, Institut de Robòtica i Informàtica Industrial (CSIC-UPC), ES
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Key collaborations with third parties

Academia

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 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

Economy/Other

Alstom Inspection Robotics, Zürich, CH
 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)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	4'351'023	4'260'000	4'115'000	2'660'000	15'386'023	47
Self-funding from Home Institution ²	3'156'750	2'756'750	2'756'750	2'656'750	11'327'000	35
Self-funding from project participants	1'351'956	1'578'000	1'578'000	1'578'000	6'085'956	19
3rd party-funding	0	0	0	0	0	0
Total	8'859'729	8'594'750	8'449'750	6'894'750	32'798'979	100

¹ incl. compensation for PhD salaries increase in Year 5

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

Persons involved

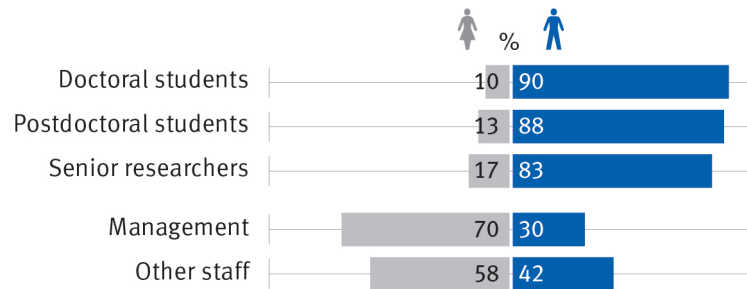
Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				DE	IT	FR	IN	IR	
Doctoral students	42	10	11	7	3	3	2	4	12
Postdoctoral students	16	13	3	0	4	4	1	0	4
Senior researchers ⁴	24	17	7	3	5	2	1	0	6
Management	4.18 ⁵	70	4	2	1	2	0	0	2
Other staff	19	58	13	2	0	0	0	0	4
Total	105.18	25	38	14	13	11	4	4	28

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

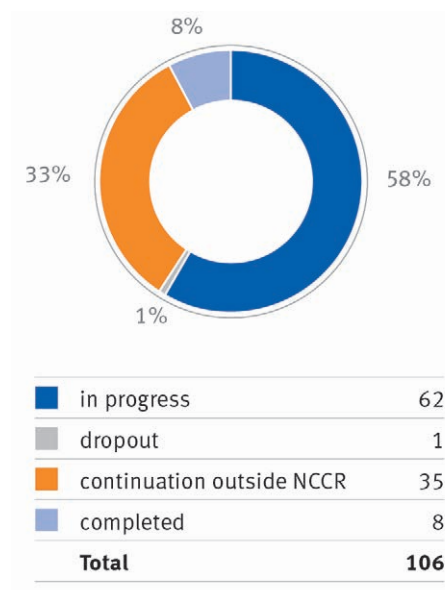
⁴ Including leaders of the individual projects and other organisational units of the NCCR

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

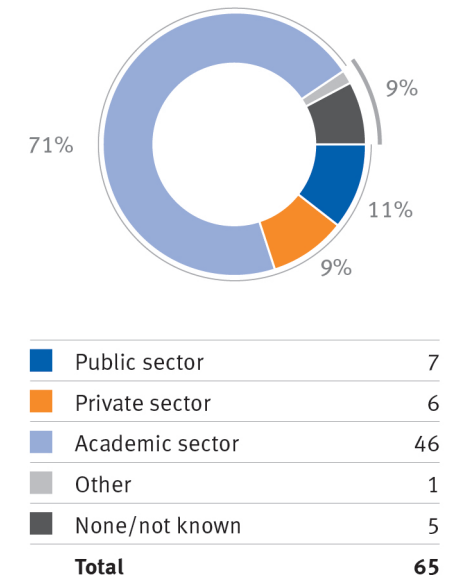
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR SwissMAP

The Mathematics of Physics

NCCR Director: Prof. Stanislav Smirnov, NCCR Co-Director: Prof. Giovanni Felder

Home Institutions: University of Geneva, ETH Zurich

Heads of Research Groups

Prof. Anton Alekseev	Section de Mathématiques, Université de Genève
Prof. Luis Alvarez-Gaume	Theory Division, CERN
Prof. Niklas Beisert	Institut für Theoretische Physik, ETH Zurich
Prof. Anna Beliakova	Institut für Mathematik, Universität Zürich
Prof. Matthias Blau	Institut für Theoretische Physik, Universität Bern
Prof. Erwin Bolthausen	Institut für Mathematik, Universität Zürich
Prof. Alberto Cattaneo	Institut für Mathematik, Universität Zürich
Prof. Dmitry Chelkak	Section de Mathématiques, Université de Genève
Prof. Hugo Duminil-Copin	Section de Mathématiques, Université de Genève
Prof. Ruth Durrer	Département de Physique Théorique, Université de Genève
Prof. Jean-Pierre Eckmann	Département de Physique Théorique, Université de Genève
Prof. Giovanni Felder	Departement Mathematik, ETH Zurich
Prof. Jürg Fröhlich	Institut für Theoretische Physik, ETH Zurich
Prof. Matthias Gaberdiel	Institut für Theoretische Physik, ETH Zurich
Prof. Gian Michele Graf	Institut für Theoretische Physik, ETH Zurich
Prof. Tamas Hausel	Section de Mathématiques, EPF Lausanne
Prof. Clément Hongler	Section de Mathématiques, EPF Lausanne
Prof. Rinat Kashaev	Section de Mathématiques, Université de Genève
Prof. Christoph Keller	Departement Mathematik, ETH Zurich
Prof. Horst Koenig	Departement Mathematik, ETH Zurich
Prof. Antti Knowles	Departement Mathematik, ETH Zurich
Prof. Wolfgang Lerche	Theory Division, CERN
Prof. Michele Maggiore	Département de Physique Théorique, Université de Genève
Prof. Marcos Mariño Beiras	Section de Mathématiques et Département de Physique Théorique, Université de Genève
Prof. Grigory Mikhalkin	Section de Mathématiques, Université de Genève
Prof. Pierre Nolin	Departement Mathematik, ETH Zurich
Prof. Rahul Pandharipande	Departement Mathematik, ETH Zurich
Prof. Tudor Ratiu	Section de Mathématiques, EPF Lausanne
Prof. Riccardo Rattazzi	Theoretical Particle Physics Laboratory, EPF Lausanne
Prof. Susanne Reffert	Institut für Theoretische Physik, Universität Bern
Prof. Vyacheslav Rychkov	Theory Division, CERN
Prof. Benjamin Schlein	Institut für Mathematik, Universität Zürich

Output data

Knowledge and technology transfer

40 Publications
40 Peer-reviewed articles
153 Presentations at congresses
28 Cooperations
7 Programmes
21 Research institutions

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 Prof. Yvan Velenik
 Prof. Werner Werner
 Prof. Thomas Willwacher
 Prof. Peter Wittwer

Section de Mathématiques, Université de Genève
 Département de Physique Théorique, Université de Genève
 Département de Physique Théorique, Université de Genève
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 Departement Mathematik, ETH Zurich
 Section de Mathématiques, Université de Genève
 Departement Mathematik, ETH Zurich
 Institut für Mathematik, Universität Zürich
 Section de Mathématiques, Université de Genève

[Overview all Research Projects](#)

Participating Institutions

Universität Zürich (5 groups)/Université de Genève (15 groups)/Universität Bern (2 groups)/
 ETH Zurich (12 groups)/EPF Lausanne (4 groups)/CERN (3 groups)

Members of the Review Panel

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 Prof. Peter Goddard, School of Natural Sciences, Institute for Advanced Study, US
 Prof. Alice Guionnet, Unité de Mathématiques Pures et Appliquées, Ecole Normale
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 Prof. Daniel Huybrechts, Institut für Mathematik, Universität Bonn, DE
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Key collaborations with third parties

Academia

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 Columbia University, USA
 Cornell University, USA
 University of Chicago, USA
 University of Michigan, USA
 University of British Columbia, Canada
 University of Toronto, Canada
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 Université Paris-7, France
 Université Claude Bernard Lyon 1, France
 University of Cambridge, UK
 University of Oxford, UK
 University of Loughborough, UK
 University of Helsinki, Finland
 Lund University, Sweden
 Technion - Israel Institute of Technology, Israel
 Hebrew University of Jerusalem, Israel
 HRI Allahabad, India
 University of Chicago, USA
 University of Michigan, USA

Funding

Funding source (CHF)	Year 1	Year 2	Year 3	Year 4	Total Phase 1	%
SNSF-funding	2'300'000	2'900'000	3'000'000	3'000'000	11'200'000	40
Self-funding from Home Institution ¹	1'355'000	1'615'000	1'715'000	2'215'000	6'900'000	25
Self-funding from project participants	2'398'983	2'484'000	2'484'000	2'484'000	9'850'983	35
3rd party-funding	0	0	0	0	0	0
Total	6'053'983	6'999'000	7'199'000	7'699'000	27'950'983	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
				DE	RU	IT	FR	US	
Research associates ³	7	29	4	0	0	0	3	0	1
Doctoral students	49	20	10	9	10	4	1	1	16
Postdoctoral students	29	17	1	4	2	5	3	3	12
Senior researchers ⁴	48	10	15	8	7	6	4	6	8
Management	3.99 ⁵	65	11	1	5	1	3	0	2
Total	136.99	22	41	22	24	16	14	10	39

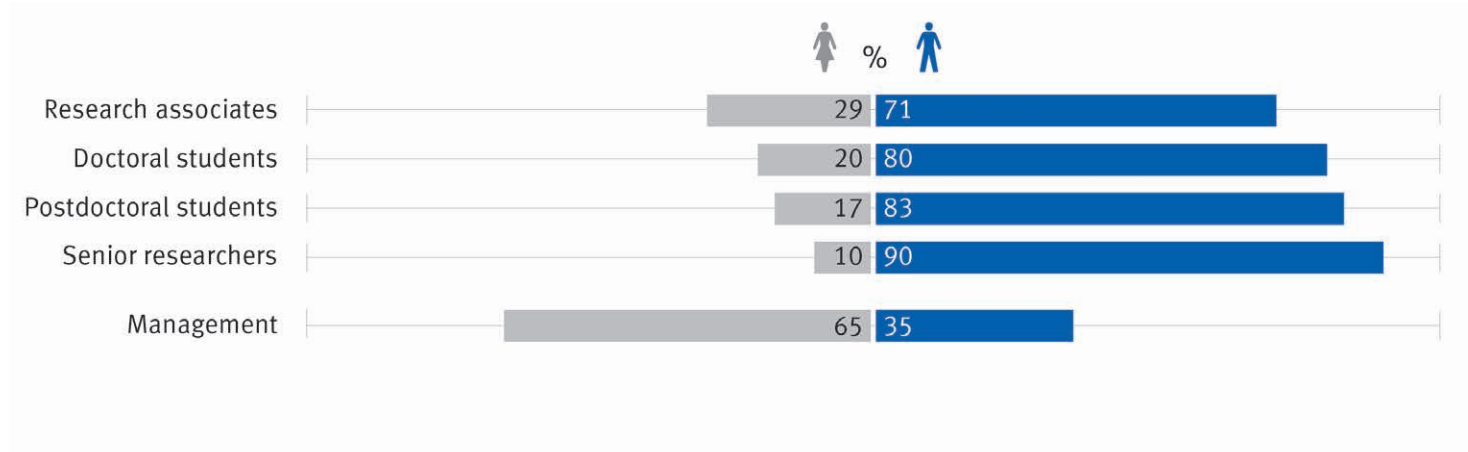
² Persons involved in the NCCR in the last reporting period (12 months)

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



NCCR SYNAPSY

The synaptic bases of mental diseases

NCCR Director: Prof. Pierre Magistretti, NCCR Co-Director: Prof. Alexandre Dayer

Home Institutions: EPF Lausanne, University of Lausanne, University of Geneva

Heads of Research Groups

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Prof. Stylianos E. Antonarakis	Département de médecine génétique et développement, Université de Genève et HUG-Hôpitaux Universitaires de Genève
Prof. Jean-Michel Aubry	Service de Psychiatrie générale et Programme troubles de l'humeur, HUG-Hôpitaux Universitaires de Genève
Prof. Camilla Bellone	Département des neurosciences fondamentales, Université de Lausanne, Faculté de biologie et médecine
Prof. Bernhard Bettler	Departement Biomedizin, Universität Basel
Prof. Paola Bezzi	Département des neurosciences fondamentales (DNF), Université de Lausanne, Faculté de biologie et médecine
Prof. Olaf Blanke	Brain Mind Institute, EPF Lausanne
Prof. Alan Carleton	Département des neurosciences fondamentales (NEUFO), Université de Genève, Faculté de biologie et médecine
Prof. Pico Caroni	Friedrich Miescher Institute for Biomedical Research, Universität Basel
Prof. Stephanie Clarke	Neuropsychologie et neuro-réhabilitation, CHUV-UNI Lausanne
Prof. Philippe Conus	Service de Psychiatrie générale, Clinique psychiatrique universitaire, Cery-CHUV Lausanne
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Prof. Johannes Gräff	Brain Mind Institute, EPF Lausanne
Prof. Patric Hagmann	Service de radiodiagnostic et radiologie interventionnelle, CHUV-UNI Lausanne
Prof. Michael Herzog	Brain Mind Institute, EPF Lausanne
Prof. Kathryn Hess Bellwald	Faculté des sciences de base, EPF Lausanne, Brain Mind Institute, EPF Lausanne
Prof. Anthony Holtmaat	Département des neurosciences fondamentales (NEUFO), Université de Genève, Faculté de biologie et médecine

Output data Knowledge and technology transfer

323 Publications
266 Peer-reviewed articles **21** Not peer-reviewed articles
18 Books **18** Anthology articles
509 Presentations at congresses
43 Cooperations
5 Programmes **4** Private sector
26 Research institutions **8** Other
2 Transfer activities
2 Patents/licences

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www.nccr-synapsy.ch

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Prof. Ralf Schneggenburger	Brain Mind Institute, EPF Lausanne
Prof. Andrea Volterra	Département des neurosciences fondamentales (DNF), CHUV-UNI Lausanne

[Overview all Research Projects](#)

Participating Institutions

Universität Basel/Friedrich-Miescher-Institut (4 groups)/Université de Genève/HUG Genève
(11 groups)/Université de Lausanne/CHUV Lausanne (7 groups)/EPF Lausanne (7 groups)

Key collaborations with third parties

Academia

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Institute of Immunology, Vari, GR
Bourgogne University, Laboratoire d'Etude de l'Apprentissage et du
Développement, Dijon, FR
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Research Group, Mannheim, DE
Charité Universitätsmedizin, Department of Psychiatry, Berlin, DE
EPFL, Signal Processing Lab, Lausanne, CH
Geneva University, Medical Image Processing Lab, Geneva, CH
Max Planck Institute for Human Cognitive and Brain Sciences,
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National Institutes of Health, Eunice Kennedy Shriver National
Institute of Child Health and Human Development, Bethesda, USA
National Institute of Mental Health, Genetic Epidemiology Research
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University of Bremen, Department of Psychiatry, Bremen, DE
University of Lausanne, Faculty of Biology and Medicine, Lausanne, CH
University of North Carolina School of Medicine, Department of
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University of Saarland, Institute of Physiology, Homburg, DE
University Zürich, Department of Psychiatry, Psychotherapy and
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Economy/Others

Experimental Therapeutics Centre Singapore, Kassoum
Nacro, SG
F. Hoffman-La Roche Ltd, Basel, CH
Fondation Alamaya, La Tour-de-Peilz, CH
Fondation Damm-Etienne, Montreux, CH
Fondation Pôle Autisme, Geneva, CH
Fonds de recherche de l'Unité de recherche sur la schizophrénie (URS),
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Members of the Review Panel

Prof. Michael Hottiger (Chair), SNF, Bern, CH

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Prof. Jamel Chelly, Institut de génétique et de biologie moléculaire et cellulaire, Illkirch, FR

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Prof. Helmut Kettenmann, Max Delbrück-Centrum für Molekulare Medizin, Berlin, DE

Prof. Julio Licinio, South Australian Health and Medical Research Institute, School of Medicine, AUS

Prof. Isabelle Mansuy, SNF, Bern, CH

Prof. Hanns Ulrich Zeilhofer, SNF, Bern, CH

Funding

Funding source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	4'695'890	4'662'000	4'660'000	3'496'000	17'513'890	36
Self-funding from Home Institution ²	2'913'000	3'113'000	2'738'000	2'538'000	11'302'000	24
Self-funding from project participants	5'387'353	4'582'107	4'582'107	4'582'107	19'133'674	40
3rd party-funding	0	0	0	0	0	0
Total	12'996'243	12'357'107	11'980'107	10'616'107	47'949'564	100

¹ incl. compensation for PhD salaries increase in Year 5

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	FR	DE	ES	IN	
Research associates ⁴	21	81	13	2	2	0	2	0	2
Doctoral students	33	58	16	3	1	1	1	3	8
Postdoctoral students	39	62	10	7	4	0	1	3	15
Senior researchers ⁵	86	28	34	8	9	5	2	0	14
Management	3.13 ⁶	56	8	0	0	0	1	0	0
Other staff	52	81	31	3	5	4	1	0	8
Total	234.13	57	112	23	21	10	8	6	47

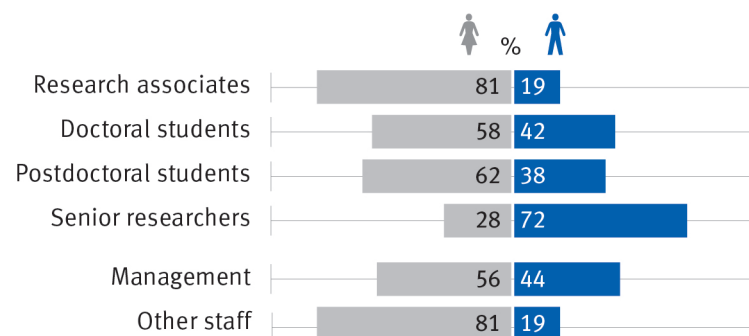
³ Persons involved in the NCCR in the last reporting period (12 months)

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

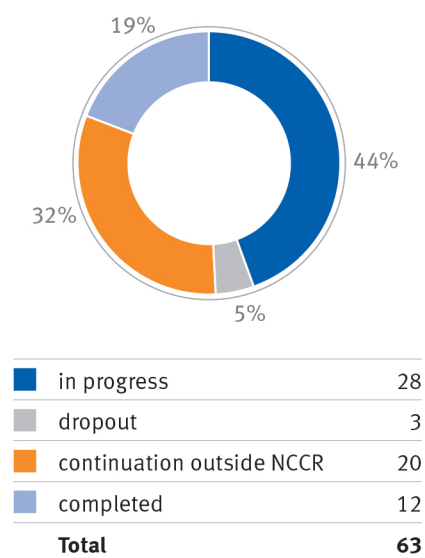
⁵ Including leaders of the individual projects and other organisational units of the NCCR

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

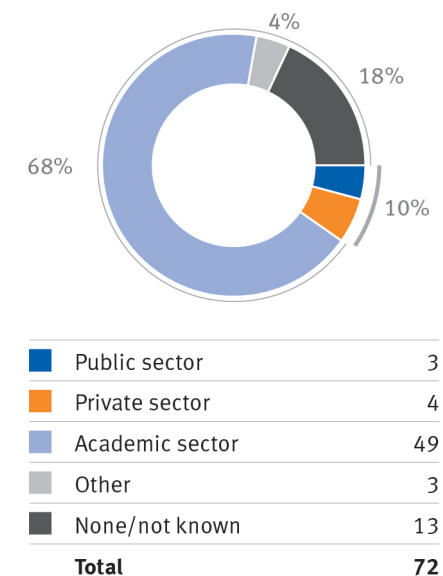
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



NCCR TransCure

From transport physiology to identification of therapeutic targets

NCCR Director: Prof. Hugues Abriel
Home Institution: University of Berne

Heads of Research Groups

Prof. Hugues Abriel	Departement Klinische Forschung, Universität Bern
Prof. Christiane Albrecht	Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. Karl-Heinz Altmann	Institut für Pharmazeutische Wissenschaften, ETH Zürich
Dr. Paola Bezzi	Département de biologie cellulaire et de morphologie, Université de Lausanne
Prof. Murielle Bochud	Institut Universitaire de Médecine Sociale et Préventive, Université de Lausanne
Prof Roch-Phillippe Charles	Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. Raimund Dutzler	Biochemisches Institut, Universität Zürich
Prof. Dimitrios J. Fotiadis	Institut für Biochemie und Molekulare Medizin, Universität Bern
Dr. Daniel G. Fuster	Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. Jürg Gertsch	Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. Matthias A. Hediger	Institut für Biochemie und Molekulare Medizin, Universität Bern
Prof. Wilhelm Hofstetter	Departement Klinische Forschung, Universität Bern
Prof. Kaspar Locher	Institut für Molekulare Biologie und Biophysik, ETH Zürich
Prof. Martin Lochner	Institut für Chemie und Biochemie, Universität Bern
Prof. Jean-Louis Reymond	Institut für Chemie und Biochemie, Universität Bern
Prof. Henning Stahlberg	Biozentrum, Universität Basel
Prof. Bruno Stieger	Abteilung für Klinische Pharmakologie und Toxikologie, Universitätsspital Zürich
Prof. Andrea Volterra	Département des neurosciences fondamentales, Université de Lausanne

[Overview all Research Projects](#)

Output data Knowledge and technology transfer

172 Publications
147 Peer-reviewed articles **13** Not peer-reviewed articles
3 Books **3** Anthology articles **6** Reports
139 Presentations at congresses
111 Cooperations
5 Programmes **8** Private sector
98 Research institutions
2 Transfer activities
2 Patents/licences

NCCR Address

NCCR TransCure
University of Bern
Murtenstrasse 35
CH-3008 Bern
+41 (0) 31 632 09 95
www.nccr-transcure.ch

Participating Institutions

Universität Basel (1 group)/Universität Bern (10 groups)/Université de Lausanne (3 groups)/
Universität Zürich (2 groups)/ETH Zürich (2 groups)

Members of the Review Panel

Prof. Katharina Fromm (Chair), SNF, Bern, CH
Prof. Ruben Abagyan, School of Pharmacy & Pharmaceutical Sciences, University of California, US
Prof. Seth L. Alper, Renal Division and Molecular and Vascular Medicine Unit, US
Prof. Susan Bates, Center for Cancer Research, National Cancer Institute, US
Prof. Christoph Dehio, SNF, Bern, CH
Prof. Dennis A. Dougherty, Division of Chemistry and Chemical Engineering, California Institute of Technology, US
Prof. Stephan Grzesiek, SNF, Bern, CH
Prof. Jeanne M. Nerbonne, Division of Biology and Biomedical Sciences, Washington University, US
Prof. Lutz Schmitt, Lehrstuhl für Biochemie, Heinrich Heine Universität, Düsseldorf, DE
Prof. Hans Ulrich Stitz, Academic Partnerships, Novo Nordisk A/S, DK
Prof. Hendrik van Veen, Department of Pharmacology, University of Cambridge, UK
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Key collaborations with third parties

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Department of Biochemistry and Biophysics, Stockholm University, Stockholm, SWE
Department of Chemistry, Washington State University, Washington, US
Department of Neuroscience, Columbia University, New York, US
Department of Pharmaceutical Chemistry, University of Vienna, Vienna, AT
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
IFP TransCure, Marie Curie, European Commission/FP7
Institut du Thorax, Université de Nantes, Nantes, FR
Institute for Research in Biomedicine, University of Barcelona, Barcelona, ES
Institute of Pharmacy, University of Regensburg, Regensburg, DE
Membrane Research Group, Hungarian Academy of Sciences, Budapest, HU
Physiology and Biomedical Engineering, Mayo Clinic College of Medicine, Rochester, US

Economy/Others

Dr. August Wolff GmbH, Bielefeld, DE
F. Hoffmann - La Roche Ltd, Basel, CH

Funding

Funding source (CHF)	Year 5	Year 6	Year 7	Year 8	Total Phase 2	%
SNSF-funding ¹	3'061'092	3'029'000	2'831'000	2'831'000	11'752'092	46
Self-funding from Home Institution ²	1'075'700	1'075'000	1'075'000	1'075'000	4'300'700	17
Self-funding from project participants	2'474'587	2'540'545	2'569'640	1'956'000	9'540'772	37
3rd party-funding	90'000	0	0	0	90'000	0
Total	6'701'379	6'644'545	6'475'640	5'862'000	25'683'564	100

¹ incl. compensation for PhD salaries increase in Year 5

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

Persons involved

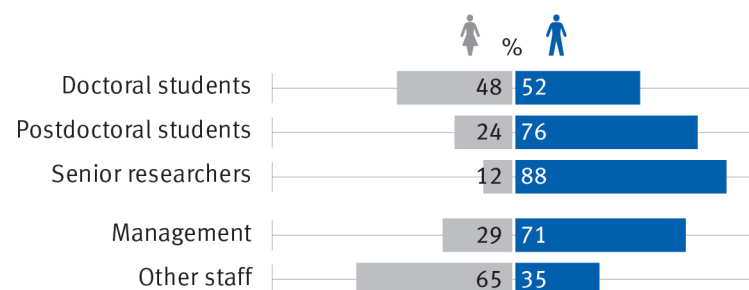
Personnel ³	Total of persons	Female %	CH	Top 5 – Most represented nations					Other nations
				IT	DE	FR	IN	AT	
Doctoral students	23	48	8	3	1	4	2	2	3
Postdoctoral students	37	24	7	4	5	2	5	2	14
Senior researchers ⁴	24	13	14	4	3	2	0	2	2
Management	2.15 ⁵	29	5	2	1	0	0	0	0
Other staff	20	65	19	0	1	0	0	0	0
Total	106.15	34	53	13	11	8	7	6	19

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

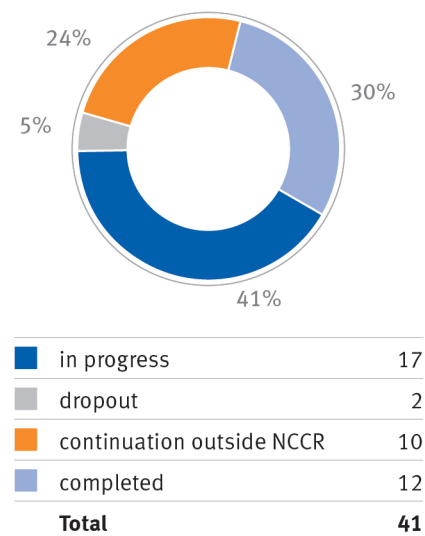
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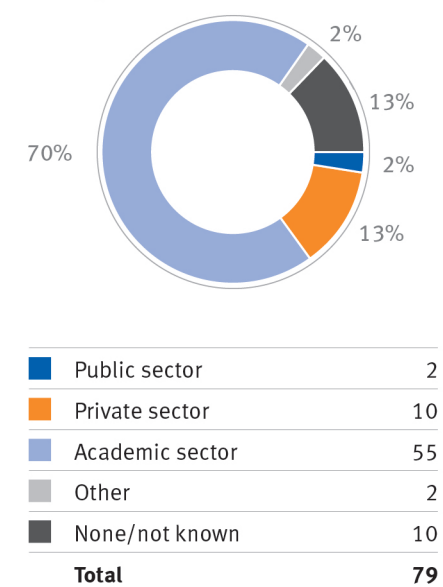
Gender in the NCCR



Training state of doctoral students



Next employer of master, doctoral and postdoctoral students



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 2015. It is updated every year and can be downloaded as a pdf on our website: www.snsf.ch/Publications

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