

# Forschungsprojekte 2007

## Projets de recherche 2007

Unterstützt von: / Soutenus par:



**krebsliga schweiz**  
**ligue suisse contre le cancer**  
**lega svizzera contro il cancro**

<b>Projektverantwortliche/r Institut</b>	<b>Projektnummer Projekttitel</b>	<b>Dauer (Monate)</b>	<b>Betrag (CHF)</b>
<i>Responsable de la recherche Institut</i>	<i>Numéro du projet Titre du projet</i>	<i>Durée (mois)</i>	<i>Montant (CHF)</i>
<b>Andres Anne-Catherine</b> , Prof. Universität Bern Departement Klinische Forschung 3004 Bern	KLS 02105-08-2007 The role of vascularization and tumour stem cells in the metastatic spread of mammary tumour cells: Studies in a transgenic mouse model	24	209'200
<b>Bourquin Jean-Pierre</b> , Dr. med. Universitäts-Kinderklinik Onkologie/Hämatologie/KMT 8032 Zürich	KLS 02124-08-2007 A leukemia xenotransplantation model to evaluate combinatorial approaches for the treatment of de novo drug resistant childhood acute lymphoblastic leukemia	24	226'600
<b>Frey-von Matt Brigitte Maria</b> , Prof. Dr. Universitätsspital Bern Klinik und Poliklinik für Nephrologie und Hypertonie 3010 Bern	KLS 02015-02-2007 Androgen Mediated Gene Delivery (AMGD)	36	246'400
<b>Garcia Garayoa Elisa</b> , Dr. Paul Scherrer Institut (PSI) Center for Radiopharmaceutical Science 5232 Villigen	KLS 02040-02-2007 Development of new bombesin-based radiopharmaceuticals with improved pharmacokinetics as potential imaging and therapeutic agents for bombesin receptor- positive tumours	36	150'700
<b>Gönczy Pierre</b> , Prof. Institut Suisse de Recherche Expérimentale sur le Cancer (ISREC) 1066 Epalinges	KLS 02024-02-2007 Mechanisms of centrosome duplication in <i>C.</i> <i>elegans</i> and human cells: from model organism towards therapeutic opportunities	36	335'100
<b>Hall Michael N.</b> , Prof. Universität Basel, Biozentrum 4056 Basel	KLS 01991-02-2007 Proteomic analysis of the cancer-promoting mTOR pathway	36	350'500

<b>Herrmann Richard</b> , Prof. Schweizerische Arbeitsgemeinschaft für Klinische Krebsforschung (SAKK) Koordinationszentrum 3008 Bern	KLS 02067-04-2007 The SAKK Initiative for Regional Hospitals	36	490'000
<b>Hess Viviane</b> , Dr. Universität Basel Medical Oncology 4031 Basel	KLS 01881-04-2006 Improving treatment for patients with advanced pancreatic cancer: a Swiss-wide effort	24	87'800
<b>Irminger-Finger Irmgard</b> , Dr. University Hospitals Geneva Department of Gynecology and Obstetrics 1211 Genève	KLS 01962-10-2006 BRCA1-associated protein, BARD1, a molecular target for breast cancer screening and cancer therapy	36	204'000
<b>Kiss Alexander</b> , Prof. Universitätsspital Basel Abt. Psychosomatik 4031 Basel	KLS 02038-02-2007 Physical and psychological predictors of patient fatigue one to five years after human stem cell transplantation	36	302'000
<b>Stiefel Friedrich</b> , Prof. Dr. Centre hospitalier universitaire vaudois (CHUV) Service de Psychiatrie et de Liaison 1011 Lausanne	KLS 02035-02-2007 Effects of communication skills training on oncology clinicians' communication styles and defense mechanisms	18	126'300
<b>Theurillat Jean-Philippe</b> , Dr. University Hospital Zurich Institute of Surgical Pathology 8091 Zürich	KLS 02014-02-2007 Synthetic lethality in the context of autophagy-deficiency	24	173'300

# Stipendiengesuche 2007

## Bourses de recherche 2007

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<b>Gesuchsteller/In</b>	<b>Projektnummer Projekttitel</b>	<b>Dauer (Monate)</b>	<b>Betrag (CHF)</b>
<b>Candidat/e</b>	<b>Numéro du projet Titre du projet</b>	<b>Durée (mois)</b>	<b>Montant (CHF)</b>
<b>Leupin Nicolas, Dr.</b> 1700 Fribourg Destination: Cancer Research UK Clinical Centre Southampton General Hospital	BIL KLS 02057-02-2007 A phase I clinical research study evaluating the safety, tolerability and biological effects of the chimeric anti-CD40 monoclonal antibody Chi Lob 7/4 given intravenously, weekly for four weeks in the treatment of patients with advanced malignancies refra	3	18'000
<b>Oehler-Jänne Christoph, Dr.</b> 8049 Zürich Destination: Memorial Sloan-Kettering Cancer Centre New York	BIL KLS 02053-02-2007 Non-invasive nuclear imaging of hypoxia in tumors after treatment with vascular-modifying agents	9	55'000
<b>Zahno Anja-Christina</b> 3212 Gurmels Destination: University of California, San Diego, La Jolla, CA-USA	BIL KLS 02056-02-2007 Experimental cancer research, Pharmacology	12	46'400

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Federazione Svizzera contro il cancro  
Swiss Federation against Cancer

<b>Ballmer Peter</b> , Prof. Dr. Kantonsspital Winterthur 8401 Winterthur	OCS 02000-02-2007 Influence of a nutritional intervention on clinical course and quality of life in cancer patients	24	155'800
<b>Ballmer-Hofer Kurt</b> , Prof. Dr. Paul Scherrer Institut (PSI) Biomolecular Research 5232 Villigen	OCS 02100-08-2007 Structural and functional analysis of ligand-mediated activation of VEGF receptor 2; identification and characterization of structural motifs for the development of new receptor inhibitory drugs for anti-vascular tumor therapy	36	205'700
<b>Bertoni Francesco</b> , Dr. Oncology Institute Southern Switzerland Experimental Oncology 6500 Bellinzona	OCS 02034-02-2007 Extranodal, nodal and splenic marginal zone B-cell lymphomas: how much are they related to each other?	24	157'800
<b>Brunner Thomas</b> , Prof. Universität Bern Pathologisches Institut 3010 Bern	OCS 02025-02-2007 Characterization and role of extra-adrenal glucocorticoid synthesis in colorectal cancer	36	176'900
<b>Chappuis Pierre Olivier</b> , Dr. Hôpitaux Universitaires de Genève Service d'Oncologie 1211 Genève 14	02073-04-2007 Prospective screening for hereditary nonpolyposis colorectal cancer (HNPCC) syndrome in a population-based setting	36	305'800
<b>Dirnhofer Stephan</b> , Prof. Dr. University Hospital Basel Institute of Pathology 4031 Basel	OCS 02072-04-2007 Prognostic and predictive significance of recurrent genetic aberrations and cellular differentiation- and cell cycle control markers in diffuse large B-cell lymphomas (translational research of the SAKK38/07 study)	24	240'400

<b>Doucey Marie-Agnès</b> , Dr University of Lausanne Centre Pluridisciplinaire d'Oncologie 1015 Lausanne	OCS 02069-04-2007 Functional and biochemical characterization of human monocyte like circulating cells in breast cancer patients: relevance to tumor growth and angiogenesis	24	214'800
<b>Dufour Jean-François</b> , Prof. Universität Bern Institut für Klinische Pharmakologie 3010 Bern	OCS 02112-08-2007 Roles of mTORC2 and mTOC1 in hepatocellular carcinoma	24	209'900
<b>Gasser Susan M.</b> , Prof. Friedrich Miescher Institute for Biomedical Research (FMI) 4058 Basel	OCS 02126-08-2007 RecQ helicases: at the crossroads of replication restart, checkpoint kinases and genome stability	24	187'700
<b>Heikenwälder Mathias</b> , Dr. UniversitätsSpital Zürich Institut für Neuropathologie 8091 Zürich	OCS 02113-08-2007 Molecular dissection of hepatocellular carcinogenesis in mice with chronic hepatitis, a mouse model of hepatitis associated human hepatocellular carcinoma	36	289'100
<b>Heinzelmann-Schwarz Viola</b> , Dr. med. University Hospital Zurich Translational Research Group Research Dept. of Gynaecology 8091 Zürich	OCS 02115-08-2007 Detection of anti-glycan autoantibodies as biomarkers of high stage serous ovarian cancer; acronym: GOS-study	24	232'100
<b>Held Werner</b> , Prof. Ludwig Institute for Cancer Research 1066 Epalinges	OCS 02007-02-2007 The role of NK cells for tumor immuno surveillance in vivo	36	303'100
<b>Herr Winship</b> , Prof. University of Lausanne Center for Integrative Genomics Genopode Building 1015 Lausanne 15	OCS 02047-02-2007 HCF-1 regulation of genomic stability during cell division	36	301'900
<b>Hübscher Ulrich</b> , Prof. Dr. Universität Zürich Institut für Veterinärbiochemie und Molekularbiologie 8057 Zürich	OCS 01996-02-2007 Repair of oxidation damages in DNA: DNA synthesis over lesions by posttranslationally modified human DNA polymerase lambda	18	251'800

<b>Jaggi Rolf</b> , Prof. Dr. Universität Bern Departements Klinische Forschung 3010 Bern	OCS 02132-08-2007 Molecular profiling from archival human breast cancer samples	36	300'100
<b>Lévy Frédéric</b> , Prof. Ludwig Institute for Cancer Research 1066 Epalinges	OCS 02011-02-2007 Impact of lentiviral cancer vaccines on the anti-tumor T-cell response in vivo	36	173'600
<b>Manz Markus Gabriel</b> , Dr. Institute for Research in Biomedicine (IRB) 6500 Bellinzona	OCS 02019-02-2007 An in vivo study on the stem cell origin of chronic myeloproliferative disorders	24	196'500
<b>Mueller Anne</b> , Prof. Dr. Universität Zürich Institut für Molekulare Krebsforschung 8057 Zürich	OCS 02099-08-2007 The molecular pathogenesis of Helicobacter pylori-induced mucosa-associated lymphoid tissue (MALT) lymphoma in an animal model: analysis of the role of tumor infiltrating accessory cells in vivo and ex vivo and of the specificity of tumor immunoglobulin	24	191'500
<b>Pelkmans Lucas</b> , Prof. Dr. ETH Zürich Institute of Molecular Systems Biology 8093 Zürich	OCS 02111-08-2007 How focal adhesion kinase (FAK) controls membrane partitioning and endocytosis of cell adhesion components in normal and in cancer cells	24	198'000
<b>Pereira José</b> , Prof. Centre hospitalier universitaire vaudois (CHUV) Service de Soins Palliatifs Hopital Nestlé 1011 Lausanne	OCS 02037-02-2007 Dignity conserving care in patients with advanced cancer in French-speaking Switzerland: a feasibility study	18	117'900
<b>Plückthun Andreas</b> , Prof. Dr. Universität Zürich Biochemisches Institut 8057 Zürich	OCS 02128-08-2007 Tumor targeting of ErbB2 with designed ankyrin repeat proteins	24	215'400
<b>Pruschy Martin</b> , Prof. Dr. UniversitätsSpital Zürich Dept. Medizinische Radiologie Klinik und Poliklinik für Radio- Onkologie 8091 Zürich	OCS 02129-08-2007 Microtubule interference as target for combined cancer therapy with Ionizing radiation	24	223'100
<b>Rehmann-Sutter Christoph</b> , Prof. Universität Basel Arbeitsstelle für Ethik in den Biowissenschaften 4056 Basel	OCS 01960-10-2006 Terminally ill patients' wish to die - The attitudes and concerns of patients with incurable cancer about the end of life and dying	36	233'700

<b>Renner Christoph</b> , Prof. Dr. UniversitätsSpital Zürich Klinik und Poliklinik für Onkologie 8091 Zürich	OCS 02119-08-2007 Selective inhibition of intratumoral regulatory T-cells by antibody-GITR ligand fusion proteins	24	192'200
<b>Rüegg Curzio</b> , Prof. Dr. med. Institut Suisse de Recherche Expérimentale sur le Cancer (ISREC) Centre Pluridisciplinaire d'Oncologie (CePO) 1066 Epalinges	OCS 02020-02-2007 Role of integrins and Cyr61/CCN1 in tumor metastasis: unraveling mechanisms and development of novel integrin inhibitors	36	275'600
<b>Rufer Nathalie</b> , Dr. Centre hospitalier universitaire vaudois (CHUV) Centre Pluridisciplinaire d'Oncologie (CePO) 1011 Lausanne	OCS 01995-02-2007 Defining molecular, structural and functional T-cell receptor properties of melanoma-specific human CD8+ T lymphocytes	24	204'500
<b>Schulz Peter J.</b> , Prof. Dr. Università della Svizzera italiana 6900 Lugano	OCS 02101-08-2007 Cancer and health literacy: establishing a concept of cancer literacy	24	150'400
<b>Schwappach David</b> , Dr. Institut für Sucht- und Gesundheitsforschung ISGF 8031 Zürich	OCS 02109-08-2007 Involving chemotherapy patients in the prevention of medical errors - a feasibility study	12	117'200
<b>Swartz Melody</b> , Prof. École Polytechnique Fédérale de Lausanne (EPFL) Laboratory for Mechanobiology and Morphogenesis 1015 Lausanne 15	OCS 02114-08-2007 Roles of CCR7 and VEGF-C in lymphatic metastasis of breast and skin cancers	36	311'100
<b>Taverna Christian</b> , Dr. med. Kantonsspital Medizinische Klinik 8596 Münsterlingen	OCS 02125-08-2007 Comparing two schedules of rituximab maintenance in rituximab-responding patients with untreated, chemotherapy resistant or relapsed follicular lymphoma: A randomized phase III trial of the SAKK (Swiss Group for Clinical Cancer Research)	36	223'700
<b>Terracciano Luigi M.</b> Prof. Dr. med. Universität Basel Institut für Pathologie 4003 Basel	OCS 02005-02-2007 HOX A13 hyper-expression in liver cancer: a potential node toward angiogenesis	24	208'600
<b>Werner Sabine</b> , Prof. Dr. ETH Zürich Institut für Zellbiologie 8093 Zürich	OCS 02017-02-2007 Role and mechanisms of action of the growth and differentiation factor activin in skin carcinogenesis	36	328'100

<p><b>Wicki Andreas</b>, Dr. University Hospital Dept. of Internal Medicine and Dept. of Biomedicine 4031 Basel</p>	<p>OCS 02102-08-2007 Mechanisms of tumor progression upon dissolution of adherens junctions</p>	<p>36</p>	<p>305'400</p>
<p><b>Zaman Khalil</b>, Dr. Centre hospitalier universitaire vaudois (CHUV) Centre Pluridisciplinaire d'Oncologie (CePO) 1011 Lausanne</p>	<p>OCS 02029-02-2007 Monitoring of angiogenesis-related molecules during first line chemotherapy with bevacizumab (Avastin) and pegylated liposomal doxorubicin (Caelyx) for advanced stage breast cancer: a substudy of the SAKK 24/06 trial</p>	<p>24</p>	<p>54'200</p>
<p><b>Zaugg Kathrin</b>, Dr. med, Universitätsspital Zürich 8091 Zürich</p>	<p>OCS 02009-02-2007 Elucidating the role of the hypoxia-protective gene CPT1C in carcinogenesis</p>	<p>24</p>	<p>195'500</p>
<p><b>Zhong Xiao Yan</b>, Dr. University Woman's Hospital / Departement Klinisch-Biologische Wissenschaften (DKBW) 4031 Basel</p>	<p>OCS 01993-02-2007 Investigating tumour-derived methylation DNA in circulation as markers for non- invasive screening, early diagnosis, monitoring and determination of the prognosis of breast cancer</p>	<p>36</p>	<p>173'600</p>

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<b>Gesuchsteller/In</b>  <i>Candidat/e</i>	<b>Projektnummer</b> <b>Projekttitel</b>  <i>Numéro du projet</i> <i>Titre du projet</i>	<b>Dauer</b> (Monate)  <i>Durée</i> (mois)	<b>Betrag</b> (CHF)  <i>Montant</i> (CHF)
<b>Kuonen François</b> Universität Bern 3010 Bern	MD-PhD 02086-06-2007 SAMW MD-PhD Stipendium Mechanisms of invasion and metastasis of tumor cells growing in an irradiated stroma	36	150'533
<b>Schürch Christian M.</b> cand. med. Faculté de biologie et de médecine / Université de Lausanne 1011 Lausanne	MD-PhD 02085-06-2007 SAMW MD-PhD Stipendium Role of the adaptive immune system in the control of leukemia	36	150'533

# Programmforschung

## Projets de recherche commun

### Collaborative Cancer Research Projects (CCRP)

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<b>Projektverantwortliche/r Institut</b>	<b>Projektnummer Projekttitel</b>	<b>Dauer (Monate)</b>	<b>Betrag (CHF)</b>
<i>Responsable de la recherche Institut</i>	<i>Numéro du projet Titre du projet</i>	<i>Durée (mois)</i>	<i>Montant (CHF)</i>
<p><b>Brisken Cathrin</b>, Prof. Dr. Institut Suisse de Recherche Expérimentale sur le Cancer (ISREC) 1066 Epalinges</p> <p><b>Fiche Maryse</b>, Dr. Institut Universitaire de Pathologie / CHUV 1011 Lausanne</p> <p><b>Hynes Nancy</b>, Prof. Dr. Friedrich Miescher-Institut (FMI) 4058 Basel</p>	<p>KFP OCS 02065-12-2006 The Role of Wnt signaling in breast cancer</p> <p>continuation of project KFP OCS 01445-12-2003 (same title) which has been supported with CHF 1'050'000</p>	24	700'000
<p><b>Krek Wilhelm</b>, Prof. Dr. phil. ETH Höggerberg Institut für Zellbiologie 8093 Zürich</p> <p><b>Moch Holger</b>, Prof. UniversitätsSpital Institut für Klinische Pathologie 8091 Zürich</p> <p><b>Thomas George</b>, PD Dr. University of Cincinnati Genome Research Institute 4002 Cincinnati, USA</p> <p><b>Aebersold Rudolf</b>, Prof. Dr. ETH Zürich-Höggerberg Institute of Molecular Systems Biology 8093 Zürich</p>	<p>KFP OCS 01980-12-2006 Identification of molecular signatures of human prostate cancer and their validation in animal models and application in the clinics</p> <p>continuation of project KFP OCS 01262-02-2002 (same title) which has been supported with CHF 1'000'000</p>	24	684'900

<p><b>Cerny Thomas</b>, Dr. med. Kantonsspital St. Gallen Dept. Innere Medizin 9007 St. Gallen</p> <p><b>Diener Pierre-André</b>, Dr. med. Kantonsspital St. Gallen Institut für Pathologie 9007 St. Gallen</p> <p><b>Gillessen Silke</b>, Dr. med. Kantonsspital St. Gallen 9007 St. Gallen</p> <p><b>Kozma Sara</b>, Prof. Dr. University of Cincinnati 4002 Cincinnati, USA</p>			
<p><b>Sommer Lukas</b>, Prof. Dr. Institut für Zellbiologie ETH Hönggerberg, HPM E38 8093 Zürich</p> <p><b>Dummer Reinhard</b>, Prof. Dr. UniversitätsSpital Zürich Dermatologische Klinik 8091 Zürich</p> <p><b>Detmar Michael</b>, Prof. ETH Zürich Institute of Pharmaceutical Sciences 8093 Zürich</p> <p><b>Mihic-Probst Daniela</b>, Dr. University Hospital Zurich Department of Pathology 8091 Zürich</p>	<p>KFP OCS 01972-12-2006 Neural crest-derived cancer stem cells in melanoma and Merkel cell carcinoma: Their role in initiation, progression and therapeutic response</p>	<p>36</p>	<p>1'185'700</p>

# Programmforschung

## *Projets de recherche commun*

### International Clinical Cancer Research Group Projects (ICP)

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<b>Projektverantwortliche/ Institut</b>	<b>Projektnummer Projekttitel</b>	<b>Dauer (Monate)</b>	<b>Betrag (CHF)</b>
<b><i>Responsable de la recherche Institut</i></b>	<b><i>Numéro du projet Titre du projet</i></b>	<b><i>Durée (mois)</i></b>	<b><i>Montant (CHF)</i></b>
<p><b>Ammann Roland A.</b>, Dr. med. Inselspital Medizinische Universitäts- Kinderklinik Dept. Hämatologie/Onkologie 3010 Bern</p> <p><b>Grotzer Michael</b>, PD Dr. med. Kinderspital Zürich Onkologie / Neuroonkologie 8032 Zürich</p> <p><b>Maibach Rudolf</b>, Dr. phil. International Breast Cancer Study Group (IBCSG) Coordinating Center 3008 Bern</p> <p><b>Plaschkes Jack</b>, Dr. med. Inselspital University Childrens Hospital Dept. of Pediatric Surgery I3010 Bern</p> <p><b>Zimmermann Arthur</b>, Prof. Universität Bern Institut für Pathologie 3010 Bern</p>	<p>ICP OCS 02061-03-2007 International childhood liver tumor consortium - research strategy for treatment and evaluation of hepatoblastoma and hepatocellular carcinoma</p>	<p>48</p>	<p>118'000</p>

<p><b>Zucca Emanuele</b>, Dr. med. Ospedale San Giovanni Oncology Institute of Southern Switzerland 6500 Bellinzona</p> <p><b>Cavalli Franco</b>, Prof. Dr. med. Ospedale San Giovanni Istituto Oncologico della Svizzera Italiana 6500 Bellinzona</p> <p><b>Gospodarowicz Mary</b>, M.D. Ontario Cancer Institute Princess Margaret Hospital Dept. of Radiation Oncology Toronto Ontario / Canada</p> <p><b>Montserrat Emilio</b>, Prof. Clinic Hospital Universitari Servicio de Hermatologia 08036 Barcelona / Spain</p>	<p>ICP OCS 02062-03-2007 International Extranodal Lymphoma Study Group (IELSG): A network for improving the understanding and the clinical management of non-Hodgkin's lymphomas arising at extranodal sites</p>	<p>48</p>	<p>483'000</p>
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