

Swiss Transplant Cohort Study Scientific Output List June 2017

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Publications in peer-reviewed journal in press or published

1. Simonetta, F., et al., *Torque Teno Virus Load and Acute Rejection after Orthotopic Liver Transplantation*. Transplantation, 2017.
2. Quteineh, L., et al., *CRTC2 polymorphism as a risk factor for the incidence of metabolic syndrome in patients with solid organ transplantation*. Pharmacogenomics J, 2017. **17**(1): p. 69-75.
3. Mauthner, O., et al., *ExplorinG frailty and mild cognitive impairment in kidney transplantation to predict biomedical, psychosocial and health cost outcomes (GERAS): protocol of a nationwide prospective cohort study*. J Adv Nurs, 2017. **73**(3): p. 716-734.
4. Lopez-Medrano, F., et al., *Multinational retrospective case-control study of risk factors for the development of late invasive pulmonary aspergillosis following kidney transplantation*. Clin Microbiol Infect, 2017. **in press**.
5. Leboeuf, C., et al., *BK Polyomavirus-Specific 9mer CD8 T Cell Responses Correlate With Clearance of BK Viremia in Kidney Transplant Recipients: First Report From the Swiss Transplant Cohort Study*. Am J Transplant, 2017.
6. Lebeaux, D., et al., *Outcome and treatment of nocardiosis after solid organ transplantation: new insights from a European study*. Clin Infect Dis, 2017.
7. Han, S.H., et al., *Human MicroRNA Responses Predict Cytomegalovirus Replication Following Solid Organ Transplantation*. J Infect Dis, 2017. **215**(4): p. 537-546.
8. Danuser, B., et al., *Employment 12 months after kidney transplantation: An in-depth bio-psycho-social analysis of the Swiss Transplant Cohort*. PLoS One, 2017. **12**(4): p. e0175161.
9. Beckmann, S., et al., *Evolution of body weight parameters up to 3 years after solid organ transplantation: The prospective Swiss Transplant Cohort Study*. Clin Transplant, 2017. **31**(3).
10. Beaume, M., et al., *Rapid adaptation drives invasion of airway donor microbiota by Pseudomonas after lung transplantation*. Sci Rep, 2017. **7**: p. 40309.
11. Tschan-Plessl, A., et al., *Human Cytomegalovirus Infection Enhances NK Cell Activity In Vitro*. Transplant Direct, 2016. **2**(7): p. e89.
12. Saigi-Morgui, N., et al., *Weighted Genetic Risk Scores and Prediction of Weight Gain in Solid Organ Transplant Populations*. PLoS One, 2016. **11**(10): p. e0164443.
13. Royer, P.J., et al., *Chronic Lung Allograft Dysfunction: A Systematic Review of Mechanisms*. Transplantation, 2016. **100**(9): p. 1803-14.
14. Metrich, M., et al., *Adrenergic Receptor Polymorphism and Maximal Exercise Capacity after Orthotopic Heart Transplantation*. PLoS One, 2016. **11**(9): p. e0163475.

15. Martin-Gandul, C., et al., *Preventive Strategies Against Cytomegalovirus and Incidence of alpha-Herpesvirus Infections in Solid Organ Transplant Recipients: A Nationwide Cohort Study*. Am J Transplant, 2016.
16. Lorent, M., et al., *Mortality Prediction after the First Year of Kidney Transplantation: An Observational Study on Two European Cohorts*. PLoS One, 2016. **11**(5): p. e0155278.
17. Lopez-Medrano, F., et al., *Risk Factors Associated With Early Invasive Pulmonary Aspergillosis in Kidney Transplant Recipients: Results From a Multinational Matched Case-Control Study*. Am J Transplant, 2016. **16**(7): p. 2148-57.
18. Hequet, D., et al., *Ventricular assist devices as bridge to heart transplantation: impact on post-transplant infections*. BMC Infect Dis, 2016. **16**: p. 321.
19. Golshayan, D., et al., *Polymorphisms in the lectin pathway of complement activation influence the incidence of acute rejection and graft outcome after kidney transplantation*. Kidney Int, 2016.
20. Coussement, J., et al., *Nocardia Infection in Solid Organ Transplant Recipients: A Multicenter European Case-control Study*. Clin Infect Dis, 2016. **63**(3): p. 338-45.
21. Calmy, A., et al., *HIV-Positive-to-HIV-Positive Liver Transplantation*. Am J Transplant, 2016. **16**(8): p. 2473-8.
22. Bernasconi, E., et al., *Airway Microbiota Determines Innate Cell Inflammatory or Tissue Remodeling Profiles in Lung Transplantation*. Am J Respir Crit Care Med, 2016. **194**(10): p. 1252-1263.
23. Beaume, M., et al., *Microbial Communities of Conducting and Respiratory Zones of Lung-Transplanted Patients*. Front Microbiol, 2016. **7**: p. 1749.
24. Wojtowicz, A., et al., *Reply to Cunha et al*. Clin Infect Dis, 2015. **61**(12): p. 1894-5.
25. Wojtowicz, A., et al., *PTX3 Polymorphisms and Invasive Mold Infections After Solid Organ Transplant*. Clin Infect Dis, 2015. **61**(4): p. 619-22.
26. Wojtowicz, A., et al., *IL1B and DEFB1 Polymorphisms Increase Susceptibility to Invasive Mold Infection After Solid-Organ Transplantation*. J Infect Dis, 2015. **211**(10): p. 1646-57.
27. Schmied, L., et al., *Protection From Varicella Zoster in Solid Organ Transplant Recipients Carrying Killer Cell Immunoglobulin-Like Receptor B Haplotypes*. Transplantation, 2015.
28. Manuel, O., et al., *Influence of IFNL3/4 polymorphisms on the incidence of cytomegalovirus infection after solid-organ transplantation*. J Infect Dis, 2015. **211**(6): p. 906-14.
29. Buhler, S., et al., *A significant effect of the KIR ligand HLA-C on fibrosis progression in chronic C hepatitis with or without liver transplantation*. Liver Int, 2015.

30. Berger, C., et al., *The swiss transplant cohort study: lessons from the first 6 years*. Curr Infect Dis Rep, 2015. **17**(6): p. 486.
31. Stern, M., et al., *Cytomegalovirus serology and replication remain associated with solid organ graft rejection and graft loss in the era of prophylactic treatment*. Transplantation, 2014. **98**(9): p. 1013-8.
32. Pison, C., et al., *Prediction of chronic lung allograft dysfunction: a systems medicine challenge*. Eur Respir J, 2014. **43**(3): p. 689-93.
33. Gonzalez, A., et al., *KIR-associated protection from CMV replication requires pre-existing immunity: a prospective study in solid organ transplant recipients*. Genes Immun, 2014. **15**(7): p. 495-9.
34. De Geest, S., et al., *Describing the evolution of medication nonadherence from pretransplant until 3 years post-transplant and determining pretransplant medication nonadherence as risk factor for post-transplant nonadherence to immunosuppressives: the Swiss Transplant Cohort Study*. Transpl Int, 2014. **27**(7): p. 657-66.
35. Burkhalter, H., et al., *Daytime sleepiness in renal transplant recipients is associated with immunosuppressive non-adherence: a cross-sectional, multi-center study*. Clin Transplant, 2014. **28**(1): p. 58-66.
36. Bucheli, E., et al., *Impact of enterococcal colonization and infection in solid organ transplantation recipients from the Swiss transplant cohort study*. Transpl Infect Dis, 2014. **16**(1): p. 26-36.
37. Manuel, O., et al., *Impact of antiviral preventive strategies on the incidence and outcomes of cytomegalovirus disease in solid organ transplant recipients*. Am J Transplant, 2013. **13**(9): p. 2402-10.
38. Koller, M.T., et al., *Design and methodology of the Swiss Transplant Cohort Study (STCS): a comprehensive prospective nationwide long-term follow-up cohort*. Eur J Epidemiol, 2013. **28**(4): p. 347-55.
39. De Geest, S., et al., *The Swiss Transplant Cohort Study's framework for assessing lifelong psychosocial factors in solid-organ transplants*. Prog Transplant, 2013. **23**(3): p. 235-46.
40. Burkhalter, H., et al., *Validation of a single item to assess daytime sleepiness for the Swiss Transplant Cohort Study*. Prog Transplant, 2013. **23**(3): p. 220-8.
41. Berger, C., et al., *Relevance of cohort studies for the study of transplant infectious diseases*. Curr Opin Organ Transplant, 2012. **17**(6): p. 581-5.

Patient-related publications

1. Bonzanigo, A., et al., *Subjektive Patientenergebnisse vor und nach der Transplantation: Daten der Swiss Transplant Cohort Study*. News. Schweizerischer Transplantierten Verein 2013. **09**: p. 13-16.
2. Burkhalter, H., et al., *Wichtigkeit des Schlafes nach Transplantation*. News. Schweizerischer Transplantierten Verein, 2014. **11**: p. 16-18.

Oral presentation of abstracts

Vieux L, Simcox A, Mediouni Z, Wild P, Koller M and the Swiss Transplant Cohort Study, Studer R, Danuser B. **Predictors of return to work 12 months after solid organ transplantation: results from a cohort study in Switzerland**. The 26th International Epidemiology in Occupational Health (EPICOH), 08. 2017.

I. Amygdalos, D.A. Raptis, N. Müller, P. Sulser, E. Giostra, C. Toso, N. Semmo, P. Dutkowski, P.-A. Clavien, M. Lesurtel. **Low Platelet Counts After Liver Transplantation: Validation of the 60-5 Criterion** (A-413) 2017 Congress of the European-African Hepato-Pancreato-Biliary Association , Mainz, Germany, 24-26 May 2017

Beckmann S, Nikolic N, Denhaerynck K, Binet I, Koller M, Boely E, De Geest S for the Psychosocial Interest Group, Swiss Transplant Cohort Study. **Description of body weight parameters up to 3 years after solid organ transplantation: the prospective Swiss Transplant Cohort Study**. ESOT Congress of the European Society for Organ Transplantation, Barcelona, Spain, September 24-27, 2017

Return to work 12 months after kidney transplantation: results of a cohort study in Switzerland.

Wild P, Simcox A, Studer R, Koller M, Danuser B and the Swiss Transplant Cohort Study. The 27th International Epidemiology in Occupational Health (EPICOH) Abstract: Occupational and Environmental Medicine Vol73- Suppl 1 2016

Koller M, Achermann R for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Disparities in live donor kidney transplantation in Switzerland**. 12^{ème} Symposium Lausannois de transplantation rénale, 2016

Claes V, Mauthner O, Denhaerynck K, Fieuws S, De Geest S for the Psychosocial Interest Group and the Swiss Transplant Cohort Study (STCS). **How to apply competing risks survival analysis in nursing research: an illustration using data from the Swiss Transplant Cohort Study** . Nursing Science Conference Groningen, The Netherlands June 30-July 1, 2016

Beckmann S, Ivanović N, Denhaerynck K, Binet I, Koller M, Boely Janke E, De Geest S for the STCS Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Pre-transplant risk factors for obesity at 1 year after solid organ transplantation: a secondary data analysis of the prospective, nationwide Swiss Transplant Cohort Study**. ESOT , Brussels, Belgium, September 13-16, 2015. Transplant International 2015; 28 (Suppl. 4), 277–846 DOI: 10.1111/tri.12702. 2015

Bandelier C, Bochuz P-Y, Gbame C, Rodel S, Dufour, De Geest S. the 'ELEMENT Study' ExpLoring a gEnomic basis for **MEdication Nonadherence in Transplantation: A subanalysis of the Swiss Transplant Cohort Study**. Leuven-Basel Adherence Research Group. Leuven, Belgium, April 2-3, 2015

Beaume M, Köhler T, Greub G, Baerlocher L, Farinelli L, van Delden C and the Swiss Transplant Cohort Study. **Evolution of the Microbiome and Adaptation of *Pseudomonas aeruginosa* after Lung-Transplantation in Cystic Fibrosis Patients**. GDR Pseudomonas 2015

Beaume M, Köhler T, Greub G, Baerlocher L, Farinelli L, van Delden C and the Swiss Transplant Cohort Study. **Evolution of the Microbiome and Adaptation of *Pseudomonas aeruginosa* after Lung-Transplantation in Cystic Fibrosis Patients**. 9th European CF Young Investigator Meeting 2015

Beaume M, Köhler T, Greub G, Baerlocher L, Farinelli L, van Delden C and the Swiss Transplant Cohort Study. **Evolution of the Microbiome and Adaptation of *Pseudomonas aeruginosa* after Lung Transplantation in Cystic Fibrosis Patients**. European Congress of Clinical Microbiology and Infectious Diseases (ESCMID) 2015

E. Bernasconi A. Koutsokera C. Pattaroni C. Berutto, B. Camara B.J. Marsland C. Benden, C. Pison, J.-D. Aubert, L.P. Nicod Pulmonary service, CHUV and STCS, Lausanne, Switzerland, University Pulmonology Clinic, CHU, Grenoble, France, Division of Pulmonary Medicine, University Hospital Zurich, Zurich, Switzerland, and SysCLAD FP7 Consortium, Lyon, France. **Alveolar macrophages and pulmonary microbiota are interconnected indicators of lung ecology post-transplantation**. ERS meeting Amsterdam, September 2015

Beaume M, Köhler T, Manuel O, Aubert JD, Gasche P, Baerlocher L, Farinelli L, Yasrebi H, van Delden C and the Swiss Transplant Cohort Study, **Evolution of the Microbiome and Adaptation of *Pseudomonas aeruginosa* after Lung-Transplantation in Cystic Fibrosis Patients**. Interscience Conference of Antimicrobial Agents and Chemotherapy (ICAAC) 2014

Christian van Delden, Geneva; R. Saccilotto, Basel; Pascal Meylan, Lausanne; Oriol Manuel, Lausanne; Christian Garzoni, Lugano; Alexia Cusini, Bern; Hans H. Hirsch, Basel; Maja Weisser, Basel; Nina Khanna, Basel; Katia Boggian, St. Gallen; David Nadal, Zürich; C. Berger, Zürich; M. Koller, Basel; Susanne Stampf, Basel; Nicolas J. Mueller, Zürich; and the Swiss Transplant Cohort Study. **Opportunistic Infections After Solid Organ Transplantation (SOT) are Rare In The Swiss Transplant Cohort Study (STCS)**. World Transplant Congress 2014

Keshwani, S.; Kumar, D.; Lisboa, L.; et al. **Pre-Transplant T-Cell Subtype Assessment as a Predictive Tool for CMV Viremia After Transplantation**. World Transplant Congress 2014

Keshwani, S.; Humar, A.; Lisboa, L.; et al. **NK Cell Immunity Pre-Transplant as a Predictor for CMV Post-Transplant** World Transplant Congress 2014

A.Koutsokera, JD Aubert, C.Benden, PM Soccac, C. Pison, LP Nicod with the collaboration of the STCS, COLT and SysCLAD consortiums **Phenotypes of Chronic Lung Allograft Dysfunction (CLAD): a multilevel diagnostic approach** International Society for Heart and Lung Transplantation 2014. JHLT 2014;32(4):S70 (A177). 2014

Alveolar macrophage polarization: witness of dynamic changes in lung-transplanted patients. E.Bernasconi, A.Koutsokera, BJ Marsland, C.Pison, JD Aubert, LP Nicod, the SysCLAD and COLT consortiums, with the collaboration of the STCS committee. Société Suisse de Pneumologie. Respiration 2014;87:543 (A103) 2014

Beaume M, Köhler T, Manuel O, Aubert JD, Gasche P, van Delden and the Swiss Transplant Cohort Study. **Evolution of the microbiome and adaptation of *Pseudomonas aeruginosa* to the allograft after lung-transplantation in cystic fibrosis patients.** GDR Pseudomonas 2013

Manuel O, Wójtowicz A, Bibert S, Kralidis G, Egli A, Mueller NJ, Van Delden C, Hirsch HH, Steiger J, Garzoni C, Binet I, Weisser M, Berger C, Cusini A, Humar A, Pascual M, Meylan P, Bochud P-Y and the Swiss Transplant Cohort Study (STCS). **IL28B polymorphisms influence cytomegalovirus replication in solid organ transplant recipients.** American Transplant Congress 2013

Wójtowicz A, Bibert S, Manuel O, Berger C, Boggian K, Garzoni C, Kralidis G, Weisser M, Van Delden C, Mueller NJ, Meylan PR, Pascual M, Hirsch HH, Bochud P-Y and the Swiss Transplant Cohort Study (STCS). **TBX21 Polymorphism Influence BK Virus Viremia in Solid Organ Transplant Recipients.** American Transplant Congress 2013

Wójtowicz A, Lecompte T, Bibert S, Manuel O, Berger C, Boggian K, Garzoni C, Hirsch HH, Kralidis G, Weisser M, Müller NJ, Meylan P, Pascual M, Van Delden C, Bochud P-Y and the Swiss Transplant Cohort Study (STCS). **IL-1 β Polymorphism Increase Susceptibility to Invasive Mold Infection after Solid Organ Transplantation.** American Transplant Congress 2013

Golshayan D, Wojtowicz A, Manuel O, Bibert S, Pascual M, Meylan P, Bochud P-Y and the Swiss Transplant Cohort Study. **Role of Mannose Binding Lectin (MBL) on the incidence of rejection after solid organ transplantation.** American Transplant Congress 2013

J-F, Mullhaupt B, Menta G, Negro F, Giostra E, Villard J on behalf of the Swiss HCV Cohort Study and Swiss Transplant Cohort Study **IL28B, KIR genes and HLA ligands in chronic Hepatitis C virus infection before and after liver transplantation** European Federation for Immunogenetics 2012

De Geest S, Burkhalter H, Bogert L, Berben L, Glass T, Denhaerynck K for the Psychosocial Interest Group of the Swiss Transplant Cohort Study. **Medication non-adherence pre-transplant predicts post-transplant non-adherence with immunosuppressive drugs in liver, renal, lung and heart transplant recipients.** American Journal of Transplantation; 12; S3: 47(abstract 69) 2012

Abstracts, poster presentation

Beckmann S, Nikolic N, Denhaerynck K, Binet I, Koller M, Boely E, De Geest S for the Psychosocial Interest Group, Swiss Transplant Cohort Study. **Evolution of body weight parameters up to 3 years after liver transplantation: the prospective Swiss Transplant Cohort Study** EASL, The International Liver Congress™, Amsterdam, The Netherlands, April 19-23, 2017

Koller M, Achermann R for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Disparities in live donor kidney transplantation in Switzerland.** Forschungstag Universitätsspital Basel. 2017

Beckmann S, Dutkowski P, Nikolic N, Denhaerynck K, Binet I, Koller M, Boely E, De Geest S for the Psychosocial Interest Group, Swiss Transplant Cohort Study. **Evolution of body weight parameters up to 3 years after liver transplantation: the prospective Swiss Transplant Cohort Study.** Poster presentation at the International Liver Congress, Amsterdam, The Netherlands. 2017

Achermann Rita, Koller Michael, Binet Isabelle, Kiss Alexander for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. Disparities in live donor kidney transplantation in Switzerland. Forschungstag Universitätsspital Basel, 26.1.2017; 12ème Symposium lausannois de transplantation rénale, 16.06.2016

Robert-Gangneux F, Meroni V, Accoceberry I, Aguado Garcia JM, Akan H, Botterel F, Carratalà J, Drgona L, Dupont D, Đurković-Đaković O, Farinas C, Groll A, Guy E, Junie L, Len O, Munoz P, Pana Z, Pelloux H, Manuel O. **Prevention of toxoplasmosis in transplant patients: a European survey.** Poster presentation at the 2016 European Congress of Clinical Microbiology and Infectious Diseases. Amsterdam, The Netherlands, April 2016.

A. Koutsokera¹, P.J. Royer², A.Fritz³, A.Tissot², K.Botturi², C. Benden⁴, JP Antonietti¹, P. M. Soccia⁵, J. D. Aubert¹, A.Magnan², C. Pison⁶, L. P. Nicod¹ with the collaboration of the Swiss Transplant Cohort Study (STCS), the French Cohort of Lung Transplantation (COLT) and the SysCLAD consortium (Systems prediction of chronic lung allograft dysfunction: a European Union-funded study, grant agreement No FP7:305457-2) **Risk factors for Chronic Lung Allograft Dysfunction (CLAD) in the SysCLAD cohort** ERS meeting Amsterdam, September 2015

Cusini A, Beguelin Ch, Stampf S, Boggian K, GarzoniCh, Meylan P, Müller N, Manuel O, Weisser M and van Delden C for the STCS. **Low morbidity and mortality of *Clostridium difficile* infections in SOT recipients of the STCS.** ePoster presentation ECCMID 2015

Kuster S, Stampf S, Bättig V, Gerull S, Jakob Passweg J, Mueller N, Schanz U, Gerber B, Berger C, Chalandon Y, Delden C, Weisser M and Khanna N. **Epidemiology of Invasive Fungal Infections in Patients after Allogeneic Hematopoietic Stem Cell Transplantation from 2009 until 2013 in the Swiss Transplant Cohort Study.** ePoster presentation ECCMID 2015

Benmerad M, Botturi K, Pison C, et al. **Chronic Effects of Air Pollution on Lung Function in Lung Transplant Patients (SysCLAD).** J Heart Lung Transpl 2015; 34(4): S141-S, 2015

Claustre J, Trocme C, Bourgoïn-Voillard S, et al. **New Predictive Proteic Biomarkers of Chronic Lung Allograft Dysfunction Identified in SysCLAD FP-7 Project.** J Heart Lung Transpl 2015; 34(4): S29-S30, 2015

Beckmann S, Ivanović N, Denhaerynck K, Binet I, Koller M, Boely Janke E, De Geest S, for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Pre-transplant risk factors for obesity at 1 year after solid organ transplantation: a secondary data analysis of the prospective, nationwide Swiss Transplant Cohort Study.** 17th Congress of the European Society for Organ Transplantation (ESOT), 13.-16. September, Brussels 2015

Yimin Lu, Dela Golshayan, Pedro Marques-Vidal, Oriol Manuel, Manuel Pascual, Michel Burnier, Grégoire Wuerzner and the Swiss Transplant Cohort Study. **Prevalence of Hypertension and Poorly Controlled Hypertension 6 and 12 Month after Solid Organ Transplantation in the Swiss Transplant Cohort Study,** 25th European meeting on Hypertension and Cardiovascular Protection, June 12-15, Milan. 2015

A.Koutsokera¹, C.Benden², P.M. Soccà³, J.P. Antonietti¹, L.P. Nicod¹, J.D. Aubert¹
Clinical factors associated with Chronic Lung Allograft Dysfunction (CLAD) in the Swiss Transplant Cohort Study. JHLT, ISHLT, Nice, France, April 2015 ¹Respiratory Medicine Department, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland, ²Division of Pulmonary Medicine, University Hospital Zurich, Zurich, Switzerland, ³Respiratory Medicine Department, University Hospital of Geneva, Geneva, Switzerland. With the collaboration of the STCS and the SysCLAD consortiums (European Union-funded study, FP7: 305457-2), 2015

Beaume M, Köhler T, Manuel O, Aubert JD, Gasche P, van Delden C and the Swiss Transplant Cohort Study. **Evolution of the microbiome and adaptation of *Pseudomonas aeruginosa* to the allograft after lung-transplantation in cystic fibrosis patients.** EMBO conference Genome (Nature Reviews Microbiology poster award) 2014

E.Bernasconi, A.Koutsokera, D.Dumas, BJ Marsland, C.Pison, JD Aubert, LP Nicod, the SysCLAD and COLT consortiums, with the collaboration of the STCS committee. **Dysbiosis of Pulmonary microbiota and lower respiratory tract infection post lung transplantation.** Société Suisse de Pneumologie. Respiration 2014;87:543 (A104), 2014

Christe A, Ebner L, Rauch A, Furrer HJ, Weiler S, Huyhn-Do U, Heverhagen J, Arampatzis S. CT-patterns of *Pneumocystis jirovecii* pneumonia differ between HIV-positive and post-transplantation patients. European Congress of Radiology, Scientific Assembly and Annual Meeting, Vienna, Austria, 2014

A.Koutsokera, C.Benden, PM Soccà, C.Pison, JD Aubert, LP Nicod with the collaboration of the STCS, COLT and SysCLAD consortiums. **Chronic Lung Allograft Dysfunction (CLAD) in the Swiss Transplant Cohort: a multi-level diagnostic approach.** Société Suisse de Pneumologie. Respiration 2014;87:530 (A25), 2014

Beaume M, Köhler T, Manuel O, Aubert JD, Gasche P, van Delden C and the Swiss Transplant Cohort Study. **Evolution of the microbiome and adaptation of *Pseudomonas aeruginosa* to the allograft after lung-transplantation in cystic fibrosis patients.** Pseudomonas 2013

Pyndiah N, Kralidis G, Wójtowicz A, Bibert S, Manuel O, Mueller NJ, Hirsch HH, Garzoni C, van Delden C, Berger C, Boggian K, Cusini A, Koller MT, Weisser M, Pascual M, Bochud P-Y, Meylan PR, and the Swiss Transplant Cohort Study. **Does MBL plasma level predict the incidence of cytomegalovirus disease in solid-organ transplant recipients?** American Transplant Congress, 2013

Manuel O, Kralidis G, Mueller NJ, Hirsch HH, Garzoni C, van Delden C, Berger C, Boggian K, Cusini A, Koller MT, Weisser M, Pascual M, Meylan PR, and the Swiss Transplant Cohort Study. **Impact of antiviral preventive strategies on the incidence and outcomes of cytomegalovirus disease in solid-organ transplant recipients.** American Transplant Congress 2013

Zbinden D, Kralidis G, Carrel T, Cusini A, Hullin R, Meylan P, Mohacsi P, Müller NJ, Ruschitzka F, Tozzi P, van Delden C, Weisser M, Wilhelm M, Pascual M, Manuel O and the Swiss Transplant Cohort Study. **Impact of implantation of ventricular assist devices on the incidence of post-transplant infections in heart transplant recipients.** American Transplant Congress 2013

Simcox A, Wild P, Koller M, Kunz R, Danuser B. **Factors influencing pre-transplant working status in kidney, liver, heart and lung patients: a cross-sectional study in Switzerland.** Gemeinsame Wissenschaftliche Jahrestagung in Arbeitsmedizin (D, Oesterreich, CH), 13.-17. März, Bregenz 2013

A.Koutsokera, J.D.Aubert, K.Botturi, A.Magnan, A.Boehler, C.Pison, L.P.Nicod, the SysCLAD and COLT consortiums, with the collaboration of the STCS committee. **The SysCLAD study: targeting towards an early prediction of chronic lung allograft dysfunction.** Société Suisse de Pneumologie. Respiration 2013;85:592 (P246), 2013

Burkhalter H, Denhaerynck K, De Geest S for the Psychosocial Interest Group of the Swiss Transplant Cohort Study. **Sleep Quality Improves from Time of Listing to 2 Years Post-Transplant in Solid Organ Transplant Recipients: A Prospective Cohort Study.** American Journal of Transplantation 2012; 12; S3: 244 (abstract 729). American Transplant Congress, 2012

Manuel O, Kralidis G, Mueller NJ, C Garzoni C, Hirsch HH, Weisser M, Van Delden C, Berger C, Boggian K, Pascual M, Meylan P and the STCS. **Incidence and clinical significance of CMV disease in a countrywide prospective cohort of solid-organ transplant recipients.** American Transplant Congress 2012

Denhaerynck K, Burkhalter H, Bogert L, Berben L, Glass T, De Geest S & the Psychosocial Interest Group, Swiss Transplant Cohort Study. **Medication Non-Adherence pre-Transplant Predicts Post-Transplant Non-Adherence with Immunosuppressive Drugs in Liver, Renal, Lung and Heart Transplant Recipients: The Swiss Transplant Cohort Study.** ESPACOMP 15th Annual meeting, Gent, Belgium, October 26-27, 2012

Lecompte T, Garzoni C, Mueller NJ, Kralidis G, Manuel O, Weisser M, Berger C, Boggian K, Meylan P, Hirsch HH, Vu-Cantero D, van Delden C and the Swiss Transplant Cohort Study. **Fungal Infections in solid organ transplant recipients in the Swiss Transplant Cohort Study (STCS).** ICAAC 2012

Staubli M, Anliker MD, Arnold AA; et al. **The Prospective Swiss Transplant Cohort Study STCS Identifies Skin Cancer Risk in a 2-Year Analysis of Solid Organ Transplant**

Recipients. American Transplant Congress Location: Boston, MA Date: MAY, 2012.
American Journal of Transplantation Volume: 12 Special Issue: SI 3: 353-354 Meeting
Abstract: 1115. American Transplant Congress 2012

Bandelier C, Bochuz P-Y, Gbame C, Rodel S, Dufour J-F, Mulhaupt B, Menta G, Negro F, Giostra E, Villard J on behalf of the Swiss HCV Cohort Study and Swiss Transplant Cohort Study **IL28B, KIR genes and HLA ligands in chronic Hepatitis C virus infection before and after liver transplantation** American Transplant Congress 2012

Staubli M, Anliker M, Andreas A; et al. **Skin cancer development in solid organ transplant recipients: a 2 year interim analysis of the Swiss Transplant Cohort Study (STCS).**
Conference: 41st Annual Meeting of the European-Society-for-Dermatological-Research
Location: Barcelona, Spain. Journal of investigative dermatology Volume:131 Supplement: 2:
S25-S25, 2012

Mueller NJ, Meylan P, Manuel O, Garzoni C, Hirsch HH, Weisser M, Boggian K, D. Nadal G, R. Saccilotto R, Koller MT, van Delden C, for the Swiss Transplant Cohort Study. **Infectious Disease Burden after Solid Organ Transplantation (SOT) in the Swiss Transplant Cohort Study (STCS).** American Transplant Congress, 2011

Publications submitted under review

1. S. Keshwani, A. Humar, L. Lisboa, , A. Egli, H. H. Hirsch , M. Weisser , C. Garzoni, C. van Delden, P. Bochud, O. Manuel, P. Meylan, K. Boggian, S. Husain, S.Han, J. Rick, N. J. Mueller, and D. Kumar, Swiss Transplant Cohort Study. Pre-Transplant CMV Specific T-cell Responses as a Predictive Tool for CMV Viremia After Transplant. Submitted to Transplantation.
2. Peter W. Schreiber, Heike A. Bischoff-Ferrari, Katia Boggian, Marco Bonani, Christian van Delden, Natalia Enriquez, Thomas Fehr, Christian Garzoni, Hans H. Hirsch, Cédric Hirzel, Oriol Manuel, Pascal Meylan, Lanja Saleh, Maja Weisser, Nicolas J. Muelle¹ and the Swiss Transplant Cohort Study* (STCS). Bone metabolism dynamics in the early post-transplant period following kidney and liver transplantation. Submitted to PLOSone.
3. Peter W. Schreiber, Heike A. Bischoff-Ferrari, Katia Boggian, Christian van Delden, Natalia Enriquez, Thomas Fehr, Christian Garzoni, Hans H. Hirsch, Cédric Hirzel, Oriol Manuel, Pascal Meylan, Lanja Saleh, Maja Weisser, Nicolas J. Mueller and the Swiss Transplant Cohort Study (STCS). Vitamin D and its interplay with infections and rejections in kidney and liver recipients. Submitted.
4. Ebner L, Rauch A, Furrer HJ, Cusini A, Weiler S, Huynh-Do U, Heverhagen J, Arampatzis S, Christe A. Radiological pattern analysis of Pneumocystis jirovecii pneumonia in immunocompromised patients: Computed tomographic differences between HIV patients and renal transplant recipients. Submitted and under review at the British Journal of Radiology.
5. Angela Koutsokera, Pierre-Joseph Royer, Jean-Philippe Antonietti, Andreas Fritz, Christian Benden, John-David Aubert, Adrien Tissot, Karine Botturi, Antoine Roux, Martine L Reynaud-Gaubert, Romain Kessler, Claire Dromer, Sacha Mussot, Hervé Mal, Jean-François Mornex, Romain Guillemain, Christiane Knoop, Marcel Dahan, Paola M Soccà, Johanna Claustre, Edouard Sage, Carine Gomez, Antoine Magnan, Christophe Pison, Laurent Pierre Nicod. Development of a multivariate prediction model for early onset bronchiolitis obliterans syndrome and restrictive allograft syndrome in lung transplantation Frontiers in Medicine, section Pulmonary Medicine Article Accepted with minor revision (05.05.2017)
6. Burkhalter H, Denhaerynck K, De Geest S for the Psychosocial Interest Group³, Swiss Transplant Cohort Study⁴. Prevalence and variability of Sleep Quality from Pre to Post Solid Organ Transplantation: The Swiss Transplant Cohort Study. Plos One, revision submitted.
7. Gerull S, Denhaerynck K, Chalandon Y, Halter JP, Kirsch M, Kiss A, Schanz U, De Geest S, Passweg J for the Psychosocial Interest Group, Swiss Transplant Cohort Study. Lack of association between relationship status and clinical outcome in allogeneic stem cell transplantation – the Swiss Transplant Cohort Study. BMT 2017, invitation to resubmit as letter
8. Cusini A, Beguelin Ch, Stampf S, Boggian K, Garzoni Ch, Meylan P, Müller N, Manuel O, Weisser M and van Delden C for the STCS. Low morbidity and favorable outcome of Clostridium difficile infections in SOT recipients of the STCS. In revision for AJT

Publications in preparation

De Geest S, Beckmann S, Claes V, Goldfarb –Rumyantzev AS, Sandhu Gurpretaap S, Uyen HD, Binet I, Boely E, Denhaerynck K for the Psychosocial Interest Group, Swiss Transplant Cohort Study **Pre-transplant Social Adaptability Index and medication non-adherence predict post-transplant outcomes in renal transplant patients. Findings from the Swiss Transplant Cohort Study.** Revision in preparation for *Transplantation*.

Koller Michael, Branca Sanda, Zumbrunn Thomas, Rick Juliane, Danuser Brigitta, Kunz Regina Steiger Juerg, Hug Balthasar L (corr), for the Swiss Transplantation Cohort **Renal Transplantation, Employment and Disability: A longitudinal study nested within the Swiss Transplant Cohort Study.**

Robert-Gangneux F, Meroni V, Accoceberry I, Aguado Garcia JM, Akan H, Botterel F, Carratalà J, Drgona L, Dupont D, Đurković-Đaković O, Farinas C, Groll A, Guy E, Junie L, Len O, Munoz P, Pana Z, Pelloux H, Manuel O. **Prevention of toxoplasmosis in transplant patients: a European survey .**

De Geest S, Beckmann S, Claes V, Goldfarb –Rumyantzev AS, Sandhu Gurpretaap S, Uyen HD, Binet I, Boely E, Denhaerynck K for the Psychosocial Interest Group, Swiss Transplant Cohort Study **Pre-transplant Social Adaptability Index and medication non-adherence predict post-transplant outcomes in renal transplant patients. Findings from the Swiss Transplant Cohort Study.**

Achermann Rita, Koller Michael, Binet Isabelle, Kiss Alexander for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Disparities in living vs deceased donor kidney transplantation in Switzerland.**

Lecompte T, Garzoni C, Mueller NJ, Kralidis G, Manuel O, Weiser M, Berger C, Boggian K, Meylan P, Hirsch HH, Vu-Cantero D, van Delden D and the Swiss Transplant Cohort Study (STCS). **Pneumocystis jirovecii pneumonia in solid organ transplant recipients.**

D. O. Andrey, E. Boely Janke, C. Cuerel, C. Garzoni, H. Hirsch, O. Manuel, C. Hirzel, M. Keel, N. Müller, C. van Delden, I. Uçkay and the Swiss Transplant Cohort Study. **Osteoarticular and severe soft tissue infections in Solid Organ Transplant Recipients.**

Meylan P, Hess C, Mueller NJ, Schultze D, Villard J, Wirthmueller U, for the Swiss Transplant Cohort Study. **A tentative rational approach to the design of a sampling scheme in the frame of a transplant cohort study.**

Pyndiah N, Kralidis G, Wójtowicz A, Bibert S, Manuel O, Mueller NJ, Hirsch HH, Garzoni C, van Delden C, Berger C, Boggian K, Cusini A, Koller MT, Weisser M, Pascual M, Bochud P-Y, Meylan PR, and the Swiss Transplant Cohort Study. **Does MBL plasma level predict the incidence of cytomegalovirus disease in solid-organ transplant recipients?**

van Delden C, Saccilotto R, Meylan P, Manuel O, Garzoni C, Cusini A, Hirsch HH, Weisser M, Khanna N, Boggian K, Nadal D, Berger C, Koller M, Mueller NJ, for the Swiss Transplant Cohort Study. **Infectious Disease Burden after Solid Organ Transplantation (SOT) in the Swiss Transplant Cohort Study (STCS).**

R. Steiner, Dr R. Kridel, Dr. E. Giostra, Dr. TA. McKee, Prof. PY. Dietrich, et al. **The impact of advances in immunosuppressive drugs over the last two decades on the incidence, characteristics and outcome of lymphoma after solid organ transplantation in Switzerland.**

Kuster S, Stampf S, Bättig V, Gerull S, Jakob Passweg J, Mueller N, Schanz U, Gerber B, Berger C, Chalandon Y, Delden C, Weisser M and Khanna N. **High Burden of Breakthrough Invasive Fungal Infections in Patients after Allogeneic Hematopoietic Stem Cell Transplantation in the Swiss Transplant Cohort Study.**

Beckmann S, Nikolic N, Denhaerynck K, Binet I, Koller M, Boely Janke E, De Geest S, for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Pre- and post transplant risk factors for weight gain and obesity at 1 year after solid organ transplantation – a secondary data analysis of the Swiss Transplant Cohort Study.**

Quteineh L, Wojtowicz A, Bochud PY, Crettol S, Venetz JP, Manuel O, Lehmann R, Mueller NJ, Binet I, van Delden C, Steiger J, Mohacsi P, Dufour JF, Soccacal PM, Pascual M, Eap CB and the Swiss Transplant Cohort Study. **Influence of polymorphisms within inflammatory markers on new-onset diabetes after solid organ transplantation.**

Vieux L, Simcox A, Mediouni Z, Wild P, Koller M and the Swiss Transplant Cohort Study, Studer R, Danuser B. **Predictors of return to work 12 months after solid organ transplantation: results from a cohort study in Switzerland.**

Quteineh L, Rüeger S, Bochud PY, Crettol S, Venetz JP, Manuel O, Lehmann R, Mueller NJ, Binet I, van Delden C, Steiger J, Mohacsi P, Dufour JF, Soccacal PM, Pascual M, Kutalik Z, Eap CB and the Swiss Transplant Cohort Study. **Genome-wide association analysis of new-onset diabetes after transplantation in the Swiss Transplant Cohort Study.**

M. Beaume, V. Lazarevic, T. Köhler, N. Gaia, O. Manuel, JD. Aubert, L. Baerlocher, L. Farinelli, P. Gasche, J. Schrenzel, C. van Delden and the Swiss Transplant Cohort Study. **Bacterial community profiling of early airway samples and long-term lung allograft function.**

Oliver Mauthner , Veerle Claes, Kris Denhaerynck , Hanna Burkhalter , Lut Berben , Isabelle Binet , Andreina Bonzanigo , Michael Dickenmann , Thomas Fehr , Karine Hadaya , Manuel Pascual , Uyen Huynh-Do , Michael Koller , Sabina De Geest, for the STCS Psychosocial Interest Group and the Swiss Transplant Cohort Study. Working title: **The predictive value of chronological age at time of kidney transplantation for patient and graft survival up to 4 years post-transplant: an analysis using competing risks.**

Achermann R, Koller M, Binet I, Kiss A for the Psychosocial Interest Group and the Swiss Transplant Cohort Study. **Disparities in live donor kidney transplantation in Switzerland**

Hug B, et al. **Renal Transplantation, Employment and Disability: A Retrospective, observational before-and-after Feasibility Study by the Swiss Transplant Cohort.**

Stéphane Buhler, Emiliano Giostra, Corinne Gbame, Miguel de Maestral, Casimir de Rham, Beat Mulhaupt, Jean-François Dufour, Gilles Menta, Pietro Majno, Franco Negro , Pierre-Yves Bochuz, and Jean Villard on behalf of the Swiss HCV Cohort Study and Swiss Transplant Cohort Study. **The genetic characterization of Killer Cell Immunoglobulin-like receptors (KIR) and their Human Leukocyte Antigen (HLA) ligands in transplanted and non-transplanted patients with chronic C hepatitis reveals a significant effect of HLA-C on fibrosis progression.**

Johanna Claustre, Hélène Flamant-Waret, Sandrine Bourgoïn-Voillard, Izabel Bérard, Sylvia G. Lehmann, Candice Trocmé, Bertrand Toussaint, Karine Botturi-Cavaillès, Antoine Magnan, Laurent Nicod, Christophe Pison, Michel Sève, and SysCLAD Consortium.

Description of bal proteome after lung transplantation and comparison with healthy people.

J. Claustre, C. Trocmé, S. Bourgoin-Voillard, H. Flamant-Waret, I. Bérard, B. Toussaint, K. Botturi, A. Magnan, L. P. Nicod, C. Pison, M. Seve, and SysCLAD Consortium. **New predictive proteic biomarkers of chronic lung allograft dysfunction identified in sysclad FP-7 project.**

Oliver Mauthner , Veerle Claes, Kris Denhaerynck , Hanna Burkhalter , Lut Berben , Isabelle Binet , Andreina Bonzanigo , Michael Dickenmann , Thomas Fehr , Karine Hadaya , Manuel Pascual , Uyen Huynh-Do , Michael Koller , Sabina De Geest, for the STCS Psychosocial Interest Group and the Swiss Transplant Cohort Study. Working title: **The predictive value of chronological age at time of kidney transplantation for patient and graft survival up to 4 years post-transplant: an analysis using competing risks.**

I. Amygdalos, D.A. Raptis, N. Müller, P. Sulser, E. Giostra, C. Toso, N. Semmo, P. Dutkowski, P.-A. Clavien, M. Lesurtel. **Low Platelet Counts After Liver Transplantation: Validation of the 60-5 Criterion.**

D. Neofytos, O. Chatzis, D. Nasioudis, E. Boely Janke, T. Lecompte, C. Garzoni, C. Berger, A. Cusini, K. Boggian, N. Khanna, O. Manuel, N. Muller, C. van Delden and the Swiss Transplant Cohort Study
Epidemiology, Risk Factors and Clinical Outcomes of Invasive Aspergillosis in Solid Organ Transplant Recipients in the Swiss Transplant Cohort.

National collaborations

Project	Collaboration /Partners	Status / Description
Development of STCS reporting tools	Clinical trial unit (CTU) Basel	See subproject 1, milestones
Annual reporting	Federal Office of Public Health (FOPH) and G15	See subproject 1, milestones
Data quality auditing project DQA II	All Swiss CTU's	See subproject 2, milestones
Human Research Act (HRA) adaptation	Prof. Beat Rudin, data protection officer of Basel (Datenschutzbeauftragter Basel-Stadt)	See subproject 2, milestones
FUP016 (PDFMP3_137125)	Institute for Work and Health (IST), University of Lausanne	Return to Work: a long-term follow-up study after solid organ transplantation in Switzerland
FUP044	Federal Social Insurance Office (FSIO/BSV)	Invalidity assessment and evolution after renal TPX. Linkage pilot study of data from STCS with data from BSV. Role model for legal and ethical requirements for nation data linkage studies.
FUP055	Swiss HIV cohort study www.shcs.ch	Variation of CT-patterns of Pneumocystis jirovecii pneumonia (PCP) in HIV-infected individuals and recipients of solid organ transplants (SOT)
FUP057	Unit of Pharmacogenetics and Clinical Psychopharmacology, Department of Psychiatry, Lausanne University Hospital, Prilly, Switzerland,	Collaboration to explore genes associated with weight gain after transplantation, manuscript published
FUP075	Swiss Hepatitis C cohort	Impact of donor and recipient PNPLA3 genotype on fibrosis progression in patients with recurrent hepatitis C after liver transplantation: analysis of the Swiss Hepatitis C Cohort Study and of the Swiss Transplant Cohort Study

International collaborations

Project	Collaboration / Partners	Status / Description
FUP005	Harvard Medical School, Beth Israel Deaconess Medical Center, Boston (USA) https://hms.harvard.edu/about-hms/hms-affiliates/beth-israel-deaconess-medical-center University of Pittsburgh (USA), School of Nursing http://www.nursing.pitt.edu/	Collaboration to evaluate if the pre-transplant Social Adaptability Index predicts mortality in Tx recipients at 1 year post Tx, manuscript in preparation
FUP007	SCOPE skin care in organ transplant patients Europe. Jan Nico Bouwes Bavinck, Leiden, NL; Sylvie Euvrard, Lyon, F	Pain study mechanism. Doctoral study in manuscript stage
FUP007	ITSCC International Transplant Skin Cancer Collaborative. Chrysalene Schmults, Harvard, Boston, USA; Oscar Colegio, Yale, New Haven, USA; Sarah Arron, UCSF, San Francisco, USA	SCC aggressive course. In manuscript stage
FUP007	Keracon Keratinocyte cancer collaborative; Amanda Toland, Ohio State University, Columbus, USA; Tatiana Oberyszyn, Ohio State University, Columbus, USA	NIH RO1 grant proposal submitted
FUP017	Spanish cohort "Resitra" http://reipi.org/	Aspergillus infections in kidney transplant recipients 2 manuscripts have been published
FUP021	NCE CECR Centre of Excellence for PREvention of Organ Failure (PROOF Centre): A not-for-profit organization, co-hosted by the University of British Columbia and Providence Health Care, Canada	Evaluation of genomic and proteomic blood biomarkers for diagnosis of heart/kidney allograft rejection Work in progress
FUP023	Atul Humar, Alberta Transplant Institute, Edmonton, Canada, currently Toronot, Canada https://www.uhnresearch.ca/researcher/atul-humar	Innate and adaptive immune biomarkers and cytomegalovirus posttransplant One article published, one submitted
FUP027	French multicentric cohort (DIVAT, Informatic and VALIDated Data in Transplantation, http://www.divat.fr/	Innate immune determinants of graft outcome after kidney transplantation Two publications in progress

FUP030	SysCLAD (Systems prediction of Chronic Lung Allograft Dysfunction), Cohort in Lung Transplantation, COLT SysCLAD EU	3 articles published. One manuscript submitted
FUP052	Randomized clinical trial: Monitoring of specific cytomegalovirus cell-mediated immunity (CMV-CMI) for optimisation of preventive strategies against CMV infection in high-risk solid-organ transplant recipients Lophius Biosciences (Regensburg, Germany)	Enrolment ongoing
FUP058	French-Belgian-Swiss International Study Group on Nocardia infections in SOT	Study completed and 2 publications
FUP070	ESCMID parasitology study group. Prevention measures and burden of toxoplasmosis in European SOT https://www.escmid.org/index.php?id=153	Manuscript in preparation
FUP071	Swiss Institute of Bioinformatics (CH); Swiss HIV Cohort Study (CH); Department of Health Promotion and Development, School of Nursing, University of Pittsburgh, Pennsylvania (USA)	Collaboration to identify genes and biological pathways associated with medication non-adherence in the first year after transplant, full proposal submitted to scientific committee
FUP072	European Group of Blood and Marrow Transplantation	Psychosocial questionnaire in hematopoietic stem cell transplant patients - association between relationship status and survival, relapse and graft-versus-host disease. Data sets are merged for joint analysis
FUP073	Center on Aging and Health, Johns Hopkins University, Baltimore (USA) http://coah.jhu.edu/	Data collection ongoing (longitudinal study design). Two publications have been published. First preliminary analysis of frailty and mild cognitive impairment at the time of transplant in progress.
FUP074	European INCREMENT network, REIPI, ESGICH. Outcome of multidrug resistant (MDR) Gram negative bloodstream infections in SOT	All data collected and transmitted. Analysis ongoing. Publication planned for 2018

FUP084	Infection in liver transplant recipients > 65 years: AST IDCOP study	Data acquisition ongoing, Abstract submitted
FUP085	Current world expertise in thoracic transplantation in HIV-positive recipients: American Society of Transplantation_ ID Community of practice study	Data acquisition ongoing
FUP090	Efficacy and safety of different antimicrobials in BSI due to ESBL or carbapenemase-producing Enterobacteriaceae in SOT: ESCMID_STCS https://www.escmid.org/research_projects/study_groups/immunocompromised_hosts/	Data acquisition ongoing
FUP092	Novel Memory B Cell ELISPOT Assays to Predict Immune Responses in Renal Allograft Recipients Transplanted Across Donor-specific HLA Antibodies	Experimental work ongoing
STCS ID group	German Centre for Infection Research (DZIF)	Definitions for infectious events have been transmitted for the STCS to the DZIF to harmonize data collection between the 2 databases
PSIG	ELEMENT STUDY: ExpLoring a gEnomic basis for MEducation Nonadherence in Transplantation	Collaboration between genetics and PSIG

External additional funds for scientific projects

Source:

Industry/ private companies:	1
Other foundations/ NGOs:	2
Other administrations/ public sector:	3

Project	Name of organization (source)	Amount CHF	Approval year
FUP001	Roche Pharma Switzerland (1), unrestricted grant	35'000	2011
FUP005	Roche Pharma Switzerland (1)	20'000	2011
	Astellas (1)	20'000	2011
	Novartis (1)	20'000	2011
FUP006	Astellas (1)	20'000	2009
FUP007	Meda Pharma Schweiz AG (1)	20'000	2010
	Spirig Pharma AG (1)	20'000	2010
	SNFS 314730_163369 (3)	575'000	2016
FUP010	Fondation pour l'Avancement en Microbiologie et Maladies Infectieuses (2)	30'000	2011
FUP012	"Mérieux research grant (MRG)"(1)	200'000	2011
	Fondation Emma Muschamp (Lausanne) (2)	50'000	2011
	Astellas (1)	40'000	2016
FUP015	Roche Pharma Schweiz (1)	59'000	2011
FUP016	SNFS PDFMP3_137125 (3)	160'000	2011
FUP017	MSD Merck Sharp & Dome AG (1)	95'000	2012
FUP022	Roche Organ Transplant Research Foundation (ROTRF) (1)	500'000	2012
	SNSF 140929 (3)	402'000	2012
	SNSF 159523 (3)	426'150	2015
FUP026	Projet recherche et développement, Geneva University (3)	30'000	2011
FUP027	Unrestricted grant from Astellas (1)	10'000	2013
	Fondation Medi-CAL Futur (2)	20'000	
FUP029	Roche Organ Transplant Research Foundation (ROTRF) (1)	150'000	2013
FUP030	Systems prediction of Chronic Lung Allograft Dysfunction (SYSCLAD) (3)	3'000'000	2012
FUP032	LEO Pharma (unrestricted) (1)	10'000	2011
FUP052	Lophius Bioscience (1)	228'000	2015
	Novartis Foundation (1)	60'000	2016
	Astellas Transplant Award (1)	30'000	2017
FUP069	Astellas (1)	69'000	2013
FUP073	Adolf und Lotte Hotz Stiftung (2)	72'000	2016
	Stiftung Pflegewissenschaft Schweiz (2)	50'000	2015
FUP087	Novartis Foundation (1)	60'000	2017
	Fondation Pierre Mercier pour la Science (2)	100'000	2016
FUP99	Fondation Lausannoise de Transplantation d'Organes (FLTO) (2)	15'000	2016
	Laboratoire National de Référence pour l'Histocompatibilité (LNRH) (3)	5'000	2016
FUP110	SNSF 173545 (3)	1'650'000	2017
Total		8'251'150	