

CURRICULUM VITAE

Prof. Léo H. BÜHLER

September 2009

Name: Bühler, Leo Hans
Date of Birth : 08.31.1961
Nationality : Swiss
Social Status : married, 2 children
Languages : french, german, english

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College : Name of college, Geneva, Switzerland, (1973-1980)
University : Medical School, University of Fribourg, Switzerland (1980-1982),
University of Geneva, Switzerland (1982 - 1987)
Medical Degree in 1987

Residency and Fellowship :

1987-1988 District Hospital Riaz, Switzerland
Dr A. FROIDEVEAUX, (General Surgery)
1988-1989 Department of Medicine, University Hospital, Geneva, Switzerland
Professor A.F. MULLER (Internal Medicine)
1989-1990 Department of Surgery, University Hospital, Geneva
Professor A. BERNEY (Neurosurgery)
Professor A. ROHNER (Digestive Surgery)
1990-1991 Department of Surgery, University Hospital, Geneva
Professor P. SUTER (Surgical Intensive Care Unit)
Professor B. FAIDUTTI (Cardiovascular Surgery)
1991-1993 Department of Surgery, University Hospital, Geneva
Professor A. ROHNER and Dr Ph. MOREL, PD
(Research fellow in the field of Islet of Langerhans transplantation)
1993-1994 Department of Surgery, University Hospital, Geneva
Professor A. ROHNER (Digestive Surgery)
Dr P. UNGER, PD (Emergency Medicine)

Chef de Clinique adjoint :

1994-1995 Department of Surgery, University Hospital, Geneva
Dr Ph. MOREL, PD (Digestive Surgery and Transplant Unit)
1995-1996 Department of Surgery, University Hospital, Geneva
Professor Ph. MOREL (Digestive Surgery and Transplant Unit)
1996-1997 Department of Surgery, University Hospital, Geneva
Dr A. SPILIOPOULOS, (Thoracic Surgery)
Dr P. HOFFMEYER, PD (Orthopedic Surgery)

Research fellow : 1997-2000 Transplantation and Biology Research Center,
Massachusetts General Hospital, Harvard Medical School, Boston
Dr D.K.C. COOPER, Professor D.H.SACHS

Clinical fellow : 2000-2001 Transplant Unit, Department of Surgery,
Massachusetts General Hospital, Harvard Medical School, Boston
Professor A.B. COSIMI

Associate Professor : 2001-2009 Head of the Surgical Research Unit
Department of Surgery, University Hospital, Geneva, Switzerland

Visiting Research Scientist:
2009-2010 Transplantation Biology Research Center, Harvard Medical School
Dr M. SYKES

MEDICAL THESIS AND BOARD CERTIFICATION

Thesis for the degree of "**Doctor in Medicine**" passed January 1991, under the direction of Professor A.ROHNER, Department of Surgery, University Hospital, Geneva

Thesis No 9236: "Les douleurs abdominales non spécifiées : un problème de décision en situation d'urgence".

Thesis for the degree of "**Privat-docent**" passed in March 2003 "Cell and organ xenotransplantation in the pig-to-nonhuman primate model".

Swiss Diploma from the Foederatio Medicorum Helveticorum (FMH) for the title of "**Specialist in General Surgery**" Berne, CH, July 1997

ECFMG Examination passed July 1993

AWARDS

- 1) Research price of the Swiss Society of Surgery, Geneva 1996 :
E. Anderegg, **L. Bühler**, S. Deng, B. Fournier, N. Cretin, C. Sinigaglia, Ph. Morel
Aspects immuno-histochimiques du rejet de xénogreffes d'îlots de Langerhans sous traitement immunosuppresseur
- 2) Novartis Award for the 5th International Xenotransplantation Association, Nagoya 1999 :
L. Bühler, M. Awwad, M. Basker, S. Gojo, A. Thall, J. Down, M. Sykes, D. Andrews, R. Sackstein, M. White-Scharf, D.H. Sachs, D.K.C. Cooper. A nonmyeloablative regimen with CD40L blockade leads to humoral/cellular hyporesponsiveness to pig hematopoietic cells in baboons
- 3) XXIV Massachusetts General Hospital Research symposium : Poster of distinction, Boston 2000 :
L. Bühler, M. Basker, I. Alwayn, M. Awwad, J. Appel, A. Thall, M. White-Scharf, D.H. Sachs, D.K.C. Cooper. CD40L blockade requires host macrophages to induce humoral unresponsiveness to pig hematopoietic cells in baboons.
- 4) Young Investigator Award at the first joint annual meeting of the American Society of Transplant Surgeons and American Society of Transplantation, Chicago 2000 :
L. Bühler, I. Alwayn, M. Basker, M. Awwad, T. Ericson, C. Huang, A. Thall, J. Down, M. White-Scharf, D.H. Sachs, D.K.C. Cooper. Engraftment of pig peripheral blood progenitor cells in baboons conditioned with a non-myeloablative regimen and CD40L blockade.
- 5) Poster Award at the 14th World Congress of the International Association of Surgeons, Gastroenterologists and Oncologists, Zurich 2004 :
P. Bucher, F. Ris, P. Gervaz, J.-F. Egger, **L. Bühler**, Ph. Morel. Results of primary surgical treatment of gastrointestinal stromal tumors.
- 6) Research Award of the Swiss Society of Surgery, Davos, 2005 :
G. Mai, Th. Nguyen, Ph. Morel, D. Trono, **L. Bühler**. Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes.

MEMBER OF CLINICAL/SCIENTIFIC SOCIETIES

Member of the Swiss Society of Surgery

Member of the European Society of Organ Transplantation (ESOT)

Member of the American Society of Transplant Surgeons (ASTS)

Member of the International Transplantation Society

Member of the International Xenotransplantation Association

MEMBER OF EDITORIAL BOARDS

- Associate Editor of the medical journal "Transplant International"
- Associate Editor of the medical journal "Xenotransplantation"
- Member of the Editorial Board of the medical journal "Transplantation"

GRANTS

- Swiss National Science Foundation Nbr 32-37550.93
"Transplantation des îlots de Langerhans du pancréas : auto- et allogreffes chez l'humain, xénogreffes chez l'animal"
Principal investigator : Prof. Ph. MOREL. Amount : CHF 375'000 from 01.10.1993 to 30.09.1996
- Swiss National Science Foundation Nbr 3200-061873.00/I
"Pancreatic islet transplantation the treatment of diabetes. Mechanisms involved in the primary and secondary poor graft function. Strategy of the prevention of rejection in islet xenotransplantation"
Principal investigator : Prof. Ph. MOREL. Amount : CHF 260'000 from 01.10.2000 to 30.09.2003
- "The Sir Jules Thorn Charitable Overseas Trust Reg., Schaan" Foundation, Geneva
"Hepatocytes and stem cell transplantation for the treatment of liver failure"
Principal investigator : Dr L. BÜHLER. Amount : CHF 78'400 from 01.10.2002 to 30.09.2003
- Swiss National Science Foundation Nbr 3200-067157.01
"Hepatocyte and adult mesenchymal stem cell transplantation for the treatment of liver failure"
Principal investigator : Dr L. BÜHLER. Amount : CHF 167'000 from 01.03.2002 to 01.03.2005
- Swiss National Science Foundation Nbr 3200-102134
"Pancreatic islet transplantation for the treatment of diabetes : clinical islet transplantation, islet primary nonfunction, islet xenotransplantation"
Principal investigator : Prof. Ph. MOREL. Amount : CHF 264'000 from 01.10.2003 to 30.09.2006
- Pierre MERCIER Foundation, Geneva
"Induction of peripheral tolerance to islet xenografts by blocking signals 2 and 3 of T cell activation"
Principal investigator : Dr L. BÜHLER. Amount : CHF 46'918.20 from 01.03.2004 to 28.02.2005
- Swiss National Science Foundation Nbr 310000-109888/1
"Hepatocyte and adult mesenchymal stem cell transplantation for the treatment of liver failure"
Principal investigator : Dr L. BÜHLER. Amount : CHF 130'000 from 01.04.2006 to 30.09.2007

- Swiss National Science Foundation Nbr 3200BO-103935/1
"Islet xenotransplantation in the pig-to-nonhuman primate model : evaluation of new immunosuppressive strategies and cross species infections"
Principal investigator : Dr L. BÜHLER. Amount : CHF 171'972 from 01.4.2005 to 30.03.2009
- Swiss National Science Foundation Nbr 205321-116397/1
"Microspheres and Microcapsules : materials and functionality design"
Principal investigator : Dr C. WANDREY, Amount : CHF 187'440 from 01.04 to 30.03.10

SPECIFIC SCIENTIFIC FUNCTIONS

- Vice-President of the Research Section of the Swiss Surgical Society since 2002
- Member of the Scientific Committee of the Swiss Transplantation Society since 2002, coordination of the scientific programme of the annual congress
- Member of the Research Commission Bureau, University Hospital Geneva
- Organisation of Beginner's and Advanced Science Writing courses for the Swiss Surgical Society twice a year in May and November since 2003
- General Secretary of the European Society for Organ Transplantation (ESOT) Congress, October 2005, Geneva
- Expert member of the Xenotransplantation Advisory Consultation (World Health Organization), April 18th to 20st, 2005 in Geneva

INVITED LECTURES

Juvenile Diabetes Foundation Center for Islet Transplantation at Harvard Medical School, February 2000, Boston :

Attempts to induce transplantation tolerance in the pig-to-baboon xenotransplantation model

Journées médico-chirurgicales d'Hépatologie et de Gastroentérologie, December 6th – 7th, Geneva :
Xenotransplantation : Quo Vadis ?

Interdisziplinärer Transplantations-Club, March 4th, 2002, Zurich :
New developments in Xenotransplantation

National Institutes of Health, Bethesda, 2002, Maryland, USA :
Non-human primate transplantation techniques workshop, How to eliminate pre-formed antibodies

Journées médico-chirurgicales d'Hépatologie et de Gastroentérologie, November 28th – 29th, 2002, Geneva :
Cellules souches

St-Vincent's Hospital, April 7th, 2003 (Melbourne) :
Tolerance Induction by mixed hematopoietic chimerism

The Transplantation Society of Australia and New Zealand, April 8th – 11th, 2003, Canberra, Australia :
Attempts to Induce Tolerance to xenografts

Westmead Hospital, April 15th, 2003, Sydney, Australia :
Clinical Islet Transplantation

Seventh International Xenotransplantation Congress, September 30st – October 4th, 2003, Glasgow, UK :
Pre-clinical strategies for overcoming DXR

Gemeine Jahrestagung der Deutschen, Österreichischen und Schweizerischen Gesellschaften für Hämatologie und Onkologie, October 5th – 8th, 2003, Basel :
Stem cell transplantation for tolerance induction

Wyeth Symposium "Islet transplantation and immune tolerance", November 4th, 2003, Geneva :
Clinical trials of tolerance induction

Séminaire de Transplantation, CHUV, April 26th, 2004, Lausanne :
Le point sur la xénotransplantation

Research Round Table, April 28th, 2004, Bern :
Induction of stable tolerance to concordant and discordant islet xenografts by inhibition of signal 2 and 3

Fondation Claude Verdan, May 11th, 2004, Lausanne :
La transplantation d'organes aujourd'hui, enjeux éthiques, médicaux, chirurgicaux

Demi-journée de formation hépato-gastroentérologique sur le pancréas, HUG, March 16th, 2005, Geneva :
Malaises à répétition chez une jeune femme

Symposium SSEB, Hôpital Cantonal Universitaire de Genève, December 14th, 2004, Geneva :
Qu'est-ce que le NHBD (Non Heart Beating Donor) ? – Considérations pratiques

Weekly Surgical Grand Round, University Hospital Zurich, March 22nd, 2005 :
Xenotransplantation : from research to clinical trials

Zentrum Klinische Forschung Seminar, University Hospital Zurich, April 1st, 2005 :
Immune tolerance in mice and men

2nd Swiss Experimental Surgery Symposium (SESS), January 13th, 2006, Geneva :
Is there a future for pigs as organ donors ?

Zukunftsperspektiven der Nierentransplantation Symposium, May 13th, 2006, Erlangen, Germany :
Xenotransplantation

International Symposium Xenotransplantation, June 9th, 2006, Berlin, Germany :
Recent progress in hepatocyte and islet xenotransplantation

Urologie – Mise au point 2007, Sierre, April 27th, 2007 :
Xénogreffe : le point de la situation

Société Médicale Genevoise, Geneva, May 1st, 2007 :
Xénogreffe : le point de la situation

CTS-IPITA-IXA 2007 Joint Conference, Minneapolis, September 15th, 2007 :
Transplantation of microencapsulated hepatocytes as therapy for fulminant liver failure

Centre Hospitalier Universitaire Vaudois, Lausanne, December 10th, 2007 :
Microencapsulation and transplantation of hepatocytes for the treatment of acute liver failure

American Transplant Congress, Toronto, April 6th, 2008 :
Xenotransplantation : are we getting closer ?

Centre Hospitalier Universitaire Vaudois, Lausanne, June 26th, 2008 :
Xenotransplantation : rêve ou réalité ?

SCIENTIFIC PUBLICATIONS

- 1) Borst F., Meyer P., Félix F., **Bühler L.**, Jeanjacquot A., Rohner A. Devenir des douleurs abdominales non spécifiées.
Méd et Hyg 1987; 45 : 1910 – 1913.
- 2) Mentha G., Morel Ph., **Bühler L.**, Huber O., Klopfenstein C.E., Rohner A. Traitement chirurgical de l'hydatidose hépatique.
Schw Med Wschr 1991; 121 : 1231 – 1237.
- 3) **Bühler L.**, Mentha G., Borst F., Roche B., Morel Ph., Rohner A. Sécurité de la cholécystectomie par la laparotomie en situation élektive et en urgence.
J Chir 1992; 129 : 466 – 470.
- 4) Clavien P.A., Sanabria J.R., Mentha G., Borst F., **Bühler L.**, Roche B., Cywes R., Tibshirani R., Rohner A., Strasberg S.M. Recent results of elective open cholecystectomy in a north american and an european center.
Ann Surg 1992; 216 : 618 – 626.
- 5) Morel Ph., **Bühler L.**, Marini M., Deng S., Mage R., Mentha G., Rohner A. Transplantation d'îlots de Langerhans chez l'humain.
Schw Med Wschr 1993; 123 : 603 – 608.
- 6) Sizonenko S., Irminger J.-C., **Bühler L.**, Deng S., Morel Ph., Halban Ph. Kinetics of proinsulin conversion in human islets.
Diabetes 1993; 42 : 1933 – 936.
- 7) Morel Ph., Bolle J.F., **Bühler L.**, Deng S., Von der Weid N., Marini M., Rohner A. Transplantation de pancréas et greffe d'îlots de Langerhans dans le traitement du diabète.
Méd et Hyg 1993; 51 : 1706 – 1710.
- 8) Morel Ph., **Bühler L.**, Deng S., Mentha G., Rohner A. Xénotransplantation.
Méd et Hyg 1993; 51 : 1744 – 1749.
- 9) Thorens B., Porret A., **Bühler L.**, Deng S., Morel Ph., Widmann C. Cloning and functional expression of the human islet GLP-1 receptor.
Diabetes 1993; 42 : 1678 – 1682.
- 10) Schopfer C., Belenger J., **Bühler L.**, Morel Ph. Hepatic function during general hypothermia in the pig : assessment by aminopyrine breath test.
Int J Artif Org 1993; 16 : 740 – 744.
- 11) Mentha G., Giostra E., Perrin L. , Widmann J.-J., Stelling M.J., Easton J., Morel Ph., Huber O., Le Coultre C., **Bühler L.**, Rohner A. Prévention de la récidence virale après transplantation hépatique pour cirrhost post-hépatitique B et B-Delta.
Schw Med Wschr 1994; 124 : 637 – 641.
- 12) **Bühler L.**, Morel Ph., Deng S., Andereggen E., Bubloz C., Mage R., Marini M., Von der Weid N., Rohner A. Autotransplantation d'îlots de Langerhans.
Méd et Hyg 1994; 52 : 1433 – 1438.
- 13) **Bühler L.**, Deng S., Grau G., Mentha G., Rohner A., Morel Ph. Treatment with antibodies to Leucocyte Function-Associated Antigen-1 prolongs the survival of xenotransplanted islets of Langerhans.
Transpl proc 1994; 26 : 1360 – 1361.
- 14) **Bühler L.**, Deng S., Mage R., Rohner A., Morel Ph. Islets of Langerhans rejection : allo vs xenotransplantation in animals.
Transpl proc 1994; 26 : 764 – 765.

- 15) **L. Bühler**, S. Deng, R. Mage, A. Rohner, Ph. Morel. Pig islet isolation : new aspects.
Transpl proc 1994; 26 : 628 – 629.
- 16) S. Deng, **L. Bühler**, J. Lou, G. Grau, M. Redard, C. Bubloz, A. Rohner, Ph. Morel. Study of concordant xenografted islets of Langerhans rejection : humoral or cellular mechanism ?
Transpl proc 1994; 26 : 1184 – 1185.
- 17) S. Deng, **L. Bühler**, E. Anderegg, R. Mage, D. Janic, C. Wollheim, A. Rohner, Ph. Morel. Islet isolation from slaughterhouse pig pancreases : evidence of in vitro and in vivo function.
Transpl proc 1994; 26 : 3396 – 3398.
- 18) **L. Bühler**, S. Deng, E. Anderegg, C. Bubloz, A. Rohner, Ph. Morel. Comparaison of a concordant and discordant xenografted islets of Langerhans rejection.
Transpl proc 1994; 26 : 3453 – 3454.
- 19) Ph. Morel, **L. Bühler**, S. Deng, E. Anderegg, C. Wollheim, R. Mage, C. Bubloz, A. Rohner. Islet of Langerhans autotransplantation in humans.
Transpl proc 1994; 26 : 3527 – 3528.
- 20) PB. Ilyedjian, S. Marie, A. Gjinojci, B. Genin, S. Deng, **L. Bühler**, Ph. Morel, G. Mentha. Glucokinase and Cytosolic Phosphoenolpyruvate Carboxykinase (GPT) in the human liver.
J Clin Invest 1995; 95 : 1966 – 1973.
- 21) **L. Bühler**, S. Deng, E. Anderegg, C. Bubloz, R. Mage, G. Mentha, Ph. Morel. Les mécanismes de rejet dans les xénogreffes d'îlots de Langerhans.
Swiss Surg 1995; 1 : 210 – 213.
- 22) E. Anderegg, S. Deng, **L. Bühler**, R. Mage, C. Bubloz, A. Rohner, Ph. Morel. Allogreffes d'îlots de Langerhans chez le porc: premiers résultats.
Swiss Surg 1995; 1 : 193 – 197.
- 23) **L. Bühler**, G. Mentha, Ph. Morel. Récidive de la maladie diabétique après transplantation du pancréas.
Therapeutische Umschau 1995; 52 : 3 – 5.
- 24) G. Mentha, Ph. Morel, E. Giostra, M. Grossholz, L. Rubbia, **L. Bühler**, A. Rohner. Le risque des hépatectomies majeures.
Schw Med Wschr 1995; 125 : 1820 – 1824.
- 25) **L. Bühler**, E. Anderegg, B. Fournier, S. Deng, R. Mage, C. Bubloz, G. Mentha, Ph. Morel. Indications for human islet transplantation: chronic pancreatitis and cystic fibrosis.
Transpl proc 1995; 27 : 3148 – 3149.
- 26) E. Anderegg, S. Deng, **L. Bühler**, B. Fournier, R. Mage, C. Bubloz, Ph. Morel. Pig islet isolation and allotransplantation.
Transpl proc 1995; 27 : 3179 – 3180.
- 27) **L. Bühler**, I. Tamingeaux, E. Giostra, M. Grossholz, Ph. Morel, G. Mentha. Varices ectopiques, une cause rare d'hémorragie digestive.
Schw Med Wschr 1996; 126 (Suppl 79) : 70 – 72.
- 28) **L. Bühler**, E. Anderegg, S. Deng, L. Nicod, T. Rochat, J.M. Tschopp, N. Cretin, A. Spiliopoulos, G. Mentha, Ph. Morel. Combined Islet-Lung allotransplantation in a cystic fibrosis patient.
Schw Med Wschr 1996; 126 (Suppl 79) : 73 – 75.
- 29) E. Anderegg, **L. Bühler**, D. Janjic, B. Fournier, S. Deng, R. Mage, C. Bubloz, N. Cretin, B. Conrad, C. Bartley, C. Wollheim, Ph. Morel. Isolement et cryopreservation d'îlots de Langerhans humains.
Schw Med Wschr 1996; 126 (Suppl 79) : 25 – 29.

- 30) E. Anderegg, **L. Bühler**, S. Deng, C. Bubloz, Ph. Morel. Immunohistological Study of islet xenograft rejection in immunosuppressed recipients.
Transpl Proc 1996; 28 : 826 – 828.
- 31) S. Deng, M. Pascual, J. Lou, **L. Bühler**, H.P. Wessel, G. Grau, J.A. Schifferli, Ph. Morel. New synthetic sulfated oligosaccharides prolong survival of cardiac xenografts by inhibiting release of heparan sulfate from endothelial cells.
Transplantation 1996; 61 : 1300 – 1305.
- 32) **L. Bühler**, B. Jordan, P. Meyer, F. Borst, B. Vermeulen, D. Savioz, N. Cretin, G. Mentha, Ph. Morel. Les douleurs abdominales non-spécifiées: un problème de décision en situation d'urgence.
Méd et Hyg 1996; 54 : 1278 – 1281.
- 33) D. Janjic, E. Anderegg, S. Deng, C. Bartley, **L. Bühler**, Ph. Morel, C. Wollheim. Improved insulin secretion of cryopreserved human islets by antioxidant treatment.
Pancreas 1996; 13 : 166 – 172.
- 34) B. Fournier, E. Anderegg, N. Cretin, **L. Bühler**, D. Janjic, S. Deng, R. Mage, C. Sinigaglia, C. Bartley, C. Wollheim, Ph. Morel: In vitro function of human cryopreserved islets of Langerhans.
Transpl proc 1996; 28 : 2866 – 2868.
- 35) **L. Bühler**, E. Anderegg, B. Fournier, N. Cretin, S. Deng, D. Janjic, C. Wollheim, Ph. Morel : Islet autotransplantation in a cirrhotic liver.
Swiss Surg 1997; 3 : 35 – 38.
- 36) P.E. Majno, M. Licker, Z. Kadry, **L. Bühler**, D.R. Morel, Ph. Morel. Effect of Dopamine, Norepinephrine and Prostaglandin-E1 on graft perfusion in small bowel transplantation in pigs.
Transpl Proc 1996; 28 : 2549 – 2550.
- 37) P. Charbonnet, **L. Bühler**, Z. Kadry, P. Majno, Ph. Morel. La transplantation d'intestin grêle.
Revue Médicale de Suisse Romande 1997; 117 : 337 – 341.
- 38) **L. Bühler**, P. Charbonnet, P. Majno, Z. Kadry, C. Pichard, E. Giostra, G. Mentha, Ph. Morel. Greffe d'intestin grêle en Suisse: indications et receveurs potentiels.
Schw Med Wschr 1997; 127 : 46 – 50.
- 39) N. Alizadeh, **L. Bühler**, O. Huber, Ph. Morel. Traitement conservateur des perforations peptiques gastro-duodénales: indications et résultats.
Schw Med Wschr 1997; 127 : 17 – 19.
- 40) B. Fournier, E. Anderegg, **L. Bühler**, N. Cretin, R. Mage, C. Sinigaglia, G. Mentha, Ph. Morel. Autotransplantation d'îlots de Langerhans après résection du pancréas pour une pathologie bénigne.
Schw Med Wschr 1997; 127 : 41 – 45.
- 41) N. Cretin, **L. Bühler**, B. Fournier, A. Caulfield, J. Oberholzer, C. Becker, J. Philippe, Ph. Morel. Allotransplantation d'îlots de Langerhans chez l'humain.
Méd et Hyg 1997; 55 : 1284 – 1286.
- 42) D. Savioz, C. Ludwig, C. Leissing, J.F. Bolle, **L. Bühler**, Ph. Morel. Repeated macroscopic haematuria caused by intravesical migration of a preperitoneal prosthesis.
Eur J Surg 1997; 163 : 631 – 632.
- 43) N. Cretin, **L. Bühler**, E. Giostra, O. Huber, G. Mentha, Ph. Morel. Management of hepatic artery complication after orthotopic liver transplantation (THO).
Transpl proc 1997; 29 : 2414 – 2415.
- 44) B. Fournier, E. Anderegg, **L. Bühler**, N. Cretin, R. Mage, C. Sinigaglia, G. Mentha, Ph. Morel. Human islets autotransplantation: new indications.
Transpl proc 1997; 29 : 2420 – 2422.

- 45) E. Giostra, H. Chen, S. Deng, **L. Bühler**, JA. Romand, A. Hadengue, O. Huber, P. Morel, G. Mentha. Prophylactic administration of prostaglandin E1 in liver transplantation: results of a pilot trial. *Transpl proc* 1997; 29 : 2381 – 2384.
- 46) J. Lou, **L. Bühler**, S. Deng, G. Mentha, P. Montesano, G.E. Grau, Ph. Morel. Inhibition of leukocyte adherence and transendothelial migration in cultured vascular human liver endothelial cells by Prostaglandin E1. *Hepatology* 1998; 27 : 822 – 828.
- 47) N. Cretin, **L. Bühler**, B. Fournier, A. Caulfield, J. Oberholzer, C. Becker, J. Philippe, Ph. Morel. Results of human islet allotransplantation in cystic fibrosis and type I diabetic patients. *Transpl proc* 1998; 30 : 315 – 316.
- 48) J. Robert, D. Delay, **L. Bühler**, A. Garcia, A. Spiliopoulos. Intérêt du bleu de méthylène dans la chirurgie de l'hyperparathyroïdisme primaire. *Ann Endocrinol* 1998; 59 : 23 – 26.
- 49) **L. Bühler**, HM. Niederer, Ph. Morel. Pankreaskarzinom: welche Faktoren bestimmen die Resektabilität ? *Chir Gastroenterol* 1998; 14 : 29 – 31.
- 50) M. de Perrot, **L. Bühler**, J. Deleaval, B. Borisch, G. Mentha, Ph. Morel. Management of true aneurysm of the splenic artery. *Am J Surg.* 1998; 175 : 466 – 468.
- 51) D. Savioz, M. Chilcott, C. Ludwig, M. Savioz, L. Kaiser, C. Leissing, **L. Bühler**, R. Peter, P. Morel. Preoperative counts of CD4 T-lymphocytes and early postoperative infective complications in HIV-positive patients. *Eur J Surg* 1998; 164 : 483 – 487.
- 52) J. Rouijel, D. Savioz, **L. Bühler**, A. Pelloni, G. Mentha, P. Morel. Pseudokyste du pancreas : quel traitement choisir ? *Schw Med Wochschr* 1998; 128 : 871 - 873 .
- 53) S. Mariethoz, D. Savioz, **L. Bühler**, C. Becker, P. Morel. Thrombose de la veine splénique et pancréatite chronique : approche thérapeutique. *Schw Med Wochschr* 1998; 30; 128 : 867 - 870 .
- 54) B. Fournier, **L. Bühler**, E. Anderegg, N. Cretin, R. Mage, C. Sinigaglia, G. Mentha, P. Morel. Isolement d' îlots de Langerhans porcins: évaluation de la fonction in vitro et in vivo. *Schw Med Wochschr* 1998;128 : 86 – 866.
- 55) B. Fournier, E. Anderegg, **L. Bühler**, J. Oberholzer, R. Mage, C. Sinigaglia, G. Mentha, P. Morel. Evolution à long terme de 9 autotransplantations d'îlots de Langerhans après résection du pancréas. *Schw Med Wochschr* 1998; 128 : 856 - 859 .
- 56) M. de Perrot, **L. Bühler**, G. Mentha, P. Morel. Hemosuccus pancreaticus : une cause rare d'hémorragie digestive haute. *Schw Med Wochschr* 1998; 128 : 853 – 855.
- 57) N. Cretin, **L. Bühler**, B. Fournier, A. Caulfield, J. Oberholzer, G. Mentha, Ph. Morel. Human islet allotransplantation-world experience and current status. *Dig Surg* 1998; 15 : 656 – 662.
- 58) P. Dumps, D. Savioz, **L. Bühler**, M. Morales, Ph. Morel. Traumatismes fermes du pancreas-demarche diagnostique. *Swiss Surg* 1998; 4 : 232 – 236.

- 59) N. Alizadeh, D. Savioz, **L. Bühler**, C. Becker, J.M. Cereda, Ph. Morel. Lesions d'organes creux dans le traumatisme ferme de l'abdomen – la valeur de la tomодensitometrie.
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SCIENTIFIC PRESENTATIONS (ABSTRACTS) SINCE 2002 :

7^e Congrès de l'Union des Sociétés Chirurgicales Suisses, June 2002 (Lausanne)

1. Traitement chirurgical de l'échinococcose alvéolaire hépatique
P. Charbonnet, **L. Bühler**, E. Sagnak, P. Villiger, Ph. Morel, G. Mentha

XIX International Congress of the Transplantation Society, August 2002 (Miami)

1. CD40-CD154 Pathway blockade requires host macrophages to induce humoral unresponsiveness to pig hematopoietic cells in galactosyltransferase – knock out mice
L. Bühler, J. Kaye, N. Cretin, D.K.C. Cooper, J. Iacomini
2. Cryopreservation and mycophenolate mofetil therapy are detrimental to the engraftment of transplanted hematopoietic progenitor cells (poster)
L. Bühler, B. Kurilla-Mahon, Q. Chang, S. Abraham, I.P.J. Alwayn, J.Z. Appel, D. Newman, M. Awwad, M.E. White-Scharf, R. Sackstein, D.H. Sachs, D.K.C. Cooper, J.D. Down
3. Upregulation of pig tissue factor by xenoreactive antibodies in vitro and in vivo (poster)
B. Gollackner, S.K. Goh, I. Qawi, S. Daniel, **L. Bühler**, G. Salomon, M. Awwad, D.K.C. Cooper, S.C. Robson

Société Suisse de Gastroentérologie et d'Hépatologie – 4th Young Investigators' Meeting, April 2003 (Genève)

1. Epidural anesthesia restores pancreatic microcirculation during acute pancreatitis in a rat model
A. Demirag, C.M. Pastor, J.L. Frossard, N. Güvener, T. Berney, Ph. Morel, **L. Bühler**

European Society of Surgical Research, May 2003 (Ghent)

1. Epidural anesthesia restores pancreatic microcirculation during acute pancreatitis in a rat model
A. Demirag, C.M. Pastor, J.L. Frossard, N. Güvener, T. Berney, Ph. Morel, **L. Bühler**

American Transplant Congress, May 2003 (Washington)

1. Islet of Langerhans allogeneic transplantation at the University of Geneva in the steroid-free era
T. Berney, P. Bucher, Z. Mathe, M.C. Kempf, D. Bosco, A. Andres, J. Oberholzer, C. Becker, J. Philippe, R. Mage, P. Majno, **L. Bühler**, Ph. Morel
2. Islet autotransplantation for the prevention of surgical diabetes after extended pancreatectomy for the resection of benign tumors of the pancreas
T. Berney, Z. Mathe, P. Bucher, S. Demuylder-Mischler, D. Bosco, J. Oberholzer, P. Majno, J. Philippe, **L. Bühler**, Ph. Morel
3. Complications related to intraportal islet infusion in autologous and allogeneic islet transplantation
P. Bucher, Z. Mathe, D. Bosco, A. Andres, C. Becker, L. Kessler, M. Greget, J. Oberholzer, **L. Bühler**, Ph. Morel, T. Berney

Congrès annuel de la Société Suisse de Chirurgie, May 2003 (Interlaken)

1. Islet autotransplantation for the prevention of surgical diabetes after extended pancreatectomy for the resection of benign tumors of the pancreas
T. Berney, Z. Mathe, P. Bucher, S. Demuylder-Mischler, J. Oberholzer, **L. Bühler**, Ph. Morel
2. Islet of Langerhans allogeneic transplantation at the University of Geneva in the steroid-free era
T. Berney, P. Bucher, Z. Mathe, C. Becker, J. Philippe, **L. Bühler**, Ph. Morel
3. Indications and results of the small bowel transplantation programme at Geneva University Hospital
T. Berney, P. Majno, **L. Bühler**, E. Giostra, L. Rubbia-Brandt, G. Mentha, Ph. Morel
4. Living donor liver transplantation is an indispensable alternative to cadaveric liver transplantation in adult patients in Switzerland
Ph. Morel, P. Majno, T. Berney, **L. Bühler**, M. Bednarkiewicz, O. Huber, G. Mentha
5. Waiting-list drop-out rate in patients with hepatocellular carcinoma candidate for liver transplantation in a center using systematic pre-transplant chemoembolization
P. Majno, T. Berney, G. Mentha, **L. Bühler**, B. Fournier, O. Huber, Ph. Morel
6. Epidural anesthesia restores pancreatic microcirculation during acute pancreatitis in a rat model
A. Demirag, C.M. Pastor, J.L. Frossard, N. Güvener, T. Berney, Ph. Morel, **L. Bühler**
7. Effect of pelvic irradiation on perineal wound healing
D. Dao, P. Gervaz, **L. Bühler**, B. Konrad, Ph. Morel, C. Soravia
8. Résultats du traitement chirurgical des adénocarcinomes de la convergence biliaire
P. Charbonnet, P. Majno, **L. Bühler**, L. Rubbia-Brandt, Ph. Morel, G. Mentha

9. Immortalized human hepatocytes grow in a mouse liver
P. Villiger, T. Nguyen, **L. Bühler**, J. Oberholzer, G. Mentha, Ph. Morel, D. Trono
10. Procedure-related morbidity after intraportal islet infusion in Auto- and Allo-transplantation (poster)
P. Bucher, Z. Mathe, C. Becker, J. Oberholzer, **L. Bühler**, Ph. Morel, T. Berney
11. Combination therapy with Rapamycin and costimulatory blockade allows long-term graft survival of concordant and discordant islet xenografts (poster)
P. Bucher, M. Gang, Z. Mathe, D. Bosco, T. Berney, Ph. Morel, **L. Bühler**

Swiss Association for Gastroenterology und Hepatology, 68th annual Meeting, September 2003 (Basel)

1. Epidural anesthesia restores pancreatic microcirculation during acute pancreatitis in a rat model
A. Demirag, C.M. Pastor, J.L. Frossard, N. Güvener, T. Berney, Ph. Morel, **L. Bühler**
2. Performance diagnostique et thérapeutique de l'artériographie dans la prise en charge de l'hémorragie digestive en urgence (poster)
P. Charbonnet, J. Toman, **L. Bühler**, P. Villiger, F. Terrier, Ph. Morel
3. Traitement chirurgical du lymphangiome kystique abdominal (poster)
T. Bezzola, S. Taylor, **L. Bühler**, G. Mentha, Ph. Morel
4. Résultats du traitement chirurgical des adénocarcinomes de la convergence biliaire
P. Charbonnet, P. Majno, **L. Bühler**, L. Rubbia-Brandt, Ph. Morel, G. Mentha

7th Joint Scientific Meeting, Faculties of Medicine Universities of Geneva and Lausanne, September 2003 (Changins)

1. Expression and secretion of alpha-1 proteinase inhibitor from human non-beta islet cells (poster)
D. Bosco, **L. Bühler**, Ph. Morel, Th. Berney
2. Fibrotic infiltration around intraportal injected barium-alginate microbeads can be reduced by a short course of immunosuppression (poster)
Z. Mathe, P. Bucher, D. Bosco, A. Andres, C. Fux, C. Toso, J. Oberholzer, Ch. Wandrey, D. Sainz, D. Espinosa, **L. Bühler**, Ph. Morel, Th. Berney
3. Importance of the direct and indirect antigen presentation in the concordant and discordant islet xenografts : an in vitro and in vivo study (poster)
A. Andres, C. Toso, J. Oberholzer, D. Bosco, P. Bucher, Z. Mathe, G. Mai, Th. Berney, Ph. Morel, **L. Bühler**

11th Congress of the European Society for Organ Transplantation (ESOT), September 2003 (Venice)

1. Liver transplantation for hepatocellular carcinoma : waiting-list drop out rate with chemoembolization (poster)
P. Majno, E. Giostra, G. Mentha, A. Hadengue, L. Rubbia, Th. Berney, **L. Bühler**, Ph. Morel
2. Potential biochemical and hematological predictors of graft failure following pig heart and kidney transplantation in baboons (poster)
Ch. Knosalla, B. Gollackner, **L. Bühler**, N. J. Mueller, S. Houser, S. Mauiyyedi, D.H. Sachs, S.C. Robson, J. Fishman, H.J. Schuurman, M. Awwad, D.K.C. Cooper

American Transplant Congress, May 2004 (Boston)

1. Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes
G. Mai, T. Nguyen, Ph. Morel, D. Bosco, T. Berney, P. Majno, G. Mentha, D. Trono, **L. Bühler**
2. Retransplantation of discordant xenogeneic islets using costimulatory blockade
P. Bucher, G. Mai, Ph. Morel, Z. Mathe, D. Bosco, N. Pernin, A. Andres, Th. Wekerle, T. Berney, **L. Bühler**
3. Role of CD40-CD154 Pathway in concordant and discordant islet xenograft rejection
G. Mai, P. Bucher, Ph. Morel, D. Bosco, A. Andres, Z. Mathe, Th. Wekerle, T. Berney, **L. Bühler**

2ème congrès annuel commun de la Société Suisse de Chirurgie et de la Société Suisse de Chirurgie thoracique et cardiovasculaire, June 2004 (Davos)

1. Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes (oral presentation)
G. Mai, Th. Nguyen, Ph. Morel, D. Trono, **L. Bühler**
2. Retransplantation of discordant xenogeneic islets using costimulatory blockade (oral presentation)
P. Bucher, G. Mai, Z. Mathe, D. Bosco, Th. Berney, **L. Bühler**, Ph. Morel
3. Hepatocellular adenoma in adults : management of single-uncomplicated, multiple and ruptured tumors (poster)
C. Toso, P. Majno, A. Andres, T. Berney, **L. Bühler**, Ph. Morel, G. Mentha

4. Long term results after pancreatoduodenectomy for cancer (poster)
Y. Durmishi, G. Chassot, P. Bücher, **L. Bühler**, A. Roth, G. Mentha, Ph. Morel
5. Optimal use of split liver grafts and of pediatric donors fulfils the need of liver transplantation in children (poster)
P. Majno, C. Le Coultre, Ph. Bugmann, **L. Bühler**, T. Berney, Ph. Morel, G. Mentha
6. Transarterial chemoembolization before liver transplantation for hepatocellular carcinoma (poster)
P. Majno, S. Terraz, O. Nafidi, **L. Bühler**, T. Berney, Ph. Morel, G. Mentha
7. Anti-CD154 mAb treatment but not recipient CD154 deficiency leads to long-term survival of xenogeneic islet grafts (poster)
G. Mai, P. Bücher, Ph. Morel, T. Berney, **L. Bühler**
8. Collagenase for human islet isolation (poster)
P. Bucher, Ph. Morel, A. Andres, D. Bosco, M. Kurfürst, **L. Bühler**, T. Berney
9. Induction of stable peripheral tolerance to concordant and discordant islet xenografts by inhibition of signals 2 and 3 (poster)
G. Mai, P. Bücher, Ph. Morel, Th. Berney, **L. Bühler**
10. Effect of microcapsule composition and short-term immunosuppression on intraportal biocompatibility (poster)
C. Toso, Z. Mathe, Ph. Morel, J. Oberholzer, C. Wandrey, **L. Bühler**, Th. Berney
11. Phylogenetic disparity influences the predominance of direct over indirect pathway of antigen presentation on islet xenotransplantation (poster)
A. Andres, C. Toso, Ph. Morel, D. Bosco, P. Bucher, Th. Berney, **L. Bühler**
12. Gastrointestinal stromal tumors : towards a clinically reliable prognostic scale (poster)
P. Bucher, P. Villiger, J.F. Egger, F. Ris, **L. Bühler**, Ph. Morel

XX International Congress of the Transplantation Society, September 2004 (Vienna)

1. Anti-CD154 MAB treatment but not recipient CD154 deficiency leads to long-term survival of xenogeneic islet grafts
G. Mai, P. Bucher, Ph. Morel, A. Andres, **L. Bühler**
2. Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes (poster)
G. Mai, N. Tuan Huy, Ph. Morel, J. Mei, **L. Bühler**
3. Anti-CD25 MAB, anti-IL2 MAB and IL2 block tolerance induction through anti-CD154 MAB and rapamycin in xenogeneic islet transplantation (poster)
G. Mai, A. Andres, Ph. Morel, J. Mei, **L. Bühler**

14th World Congress of the International Association of Surgeons, Gastroenterologists and Oncologists, September 2004 (Zurich)

1. Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes (poster)
G. Mai, N. Tuan Huy, Ph. Morel, J. Mei, **L. Bühler**
2. Results of primary surgical treatment of gastrointestinal stromal tumors (poster)
P. Bucher, F. Ris, P. Gervaz, J.F. Egger, **L. Bühler**, Ph. Morel
3. Anti-CD154 MAB treatment but not recipient CD154 deficiency leads to long-term survival of xenogeneic islet grafts (poster)
G. Mai, P. Bucher, Ph. Morel, A. Andres, **L. Bühler**
4. Anti-CD25 MAB, anti-IL2 MAB and IL2 block tolerance induction through anti-CD154 MAB and rapamycin in xenogeneic islet transplantation (poster)
G. Mai, A. Andres, Ph. Morel, J. Mei, **L. Bühler**

American Transplant Congress, May 2005 (Seattle)

1. Treatment of acetaminophen-induced fulminant liver failure by microencapsulated primary or immortalized xenogeneic hepatocytes
G. Mai, T. Nguyen, P. Morel, J. Mei, D. Bosco, T. Berney, P. Majno, G. Mentha, D. Trono, **L. Bühler**

10th World Congress of IPITA, May 2005 (Geneva)

1. Tolerance induction to xenogeneic islets by anti-CD154 MAB and rapamycin is based on anergy and regulation

- G. Mai, A. Andres, P. Morel, J. Mei, D. Bosco, C. Toso, T. Berney, D. Heusser, S. Bigenzahn, T. Wekerle, **L. Bühler**
2. Short term CTLA4-Ig and rapamycin therapy significantly prolongs survival of islet xenografts
G. Mai, J. Mei, P. Morel, P. Bucher, D. Bosco, C. Toso, A. Andres, R. Baertschiger, T. Berney, T. Wekerle, **L. Bühler**
 3. Adult human exocrine pancreas contains mesenchymal stem cells
R. Baertschiger, **L. Bühler**, P. Morel, D. Bosco, A. Wojtusciszyn, M. Armanet, N. Nowak, V. Serre-Beinier, T. Berney, C. Gonelle-Gispert
 4. Insulin independence in recipients of islet after kidney allogeneic transplantation using a steroid-free protocol
C. Toso, R. Baertschiger, P. Morel, D. Bosco, A. Wojtusciszyn, M. Armanet, A. Andres, S. Demuylder-Mischler, J. Philippe, C. Becker, K. Hadaya, **L. Bühler**, T. Berney

Congrès annuel de la Société Suisse de Chirurgie, May 2005 (Zurich)

1. Study of human mesenchymal stem cells and their potential to differentiate into hepatocytes
R. Baertschiger, C. Gonelle-Gispert, Ph. Morel, N. Nowak, D. Bosco, V. Kindler, **L. Bühler**
2. Tolerance induction to xenogeneic islet by anti-CD154 mab and rapamycin is based on anergy and regulation
G. Mai, A. Andres, P. Morel, J. Mei, C. Heusser, T. Wekerle, **L. Bühler**
3. Could Taylor approach of perforated gastroduodenal ulcers be applied to high risk patients ?
P. Bucher, W. Oulhaci, P. Morel, F. Ris, **L. Bühler**, O. Huber

3rd annual meeting of the International Society for Stem Cell Research, June 2005 (San Francisco)

1. Albumin expression is induced in human mesenchymal stem cells co-cultured with hepatocellular carcinoma cells (poster)
R. Baertschiger, **L. Bühler**, P. Morel, N. Nowak, V. Kindler, D. Bosco, V. Serre-Beinier
2. Adult human exocrine pancreas contains mesenchymal stem cells (poster)
R. Baertschiger, **L. Bühler**, P. Morel, D. Bosco, A. Wojtusciszyn, M. Armanet, N. Nowak, V. Serre-Beinier, T. Berney

8th Congress of the International Xenotransplantation Association and 2nd International Symposium on ABO incompatibility in transplantation, September 2005 (Göteborg, Sweden)

1. Tolerance induction to xenogeneic islets by anti-CD154 mAb and rapamycin is based on anergy and regulation
G. Mai, A. Andres, P. Morel, J. Mei, D. Bosco, C. Toso, T. Berney, C. Heusser, S. Bigenzahn, T. Wekerle, **L. Bühler**
2. Porcine and human hepatocyte isolation, cryopreservation, and xenotransplantation (poster)
G. Mai, T. Nguyen, P. Morel, J. Mei, A. Andres, D. Bosco, R. Baertschiger, C. Toso, T. Berney, P. Majno, G. Menta, D. Trono, **L. Bühler**
3. Short term CTLA4-Ig and rapamycin therapy significantly prolongs survival of islet xenografts (poster)
G. Mai, J. Mei, P. Morel, P. Bucher, D. Bosco, C. Toso, A. Andres, R. Baertschiger, T. Berney, T. Wekerle, **L. Bühler**

12th Congress of the European Society for Organ Transplantation, October 2005 (Geneva)

1. Short-term CTLA4-Ig and rapamycin therapy significantly prolongs survival of islet xenografts
G. Mai, J. Mei, P. Morel, P. Bucher, D. Bosco, T. Berney, **L. Bühler**
2. Tolerance induction to xeno-islets by antiCD154 mAb and rapamycin is based on anergy and regulation
G. Mai, A. Andres, P. Morel, J. Mei, D. Bosco, T. Berney, **L. Bühler**
3. Insulin independence in recipients of islet after kidney allogeneic transplantation using a steroid-free protocol
C. Toso, R. Baertschiger, P. Morel, Domenico Bosco, A. Wojtusciszyn, M. Armanet, A. Andres, S. Demuylder-Mischler, J. Philippe, C. Becker, K. Hadaya, **L. Bühler**, T. Berney
4. Adult human exocrine pancreas contains mesenchymal stem cells (poster)
R. Baertschiger, **L. Bühler**, P. Morel, D. Bosco, M. Armanet, A. Wojtusciszyn, V. Serre-Beinier, T. Berney, C. Gonelle-Gispert

2nd Swiss Experimental Surgery Symposium, January 2006 (Geneva)

1. Is there a future for pigs as organ donors ?
L. Bühler

Congrès annuel de la Société Suisse de Chirurgie, June 2006 (Lugano)

1. Human exocrine pancreas-derived mesenchymal stem cells and their potential to differentiate into beta cells
R. Baertschiger, D. Bosco, P. Morel, M. Armanet, A. Wojtusciszyn, V. Serre-Beinier, T. Berney, **L. Bühler**, C. Gonelle-Gispert
2. Xenotransplantation of mouse embryonic stem cells induces short term chimerism but not tolerance to xenogeneic skin grafts in rats
R. Baertschiger, G. mai, P. Morel, M. Armanet, A. Sgroi, D. Bosco, V. Serre-Beinier, C. Toso, M. Hauwel, M. Jaconi, C. Gonelle-Gispert, **L. Bühler**
3. Long-term effects of intra-hepatic islet auto- and allografts on liver parenchyma
A. Demirag, N. Guvener, P. Morel, S. Richter, S. Deng, C. Toso, J. Philippe, T. Berney, J. Vallee, **L. Bühler**
4. Study of adult and pediatric human mesenchymal stem cells and their potential to differentiate into hepatocytes (poster)
R. Baertschiger, D. Bosco, P. Morel, V. Serre-Beinier, A. Kaelin, **L. Bühler**, C. Gonelle-Gispert
5. Expérience genevoise de l'utilisation du Vaccum assisted closure pour le traitement des plaies abdominales (poster)
Y. Durmishi, **L. Bühler**, P. Gervaz, A. Al Mazrouei, V. Romeu, D. Eden, P. Morel

World Transplant Congress, July 2006 (Boston)

1. Human exocrine pancreas-derived mesenchymal stem cells and their potential to differentiate into beta cells
R. Baertschiger, D. Bosco, Ph. Morel, M. Armanet, A. Wojtusciszyn, V. Serre-Beinier, T. Berney, **L. Bühler**, C. Gonelle-Gispert
2. Xenotransplantation of mouse embryonic stem cells induces short term chimerism but not tolerance to xenogeneic skin grafts in rats
R. Baertschiger, G. Mai, Ph. Morel, M. Armanet, A. Sgroi, D. Bosco, V. Serre-Beinier, C. Toso, M. Hauwel, M. Jaconi, C. Gonelle-Gispert, **L. Bühler**
3. Analysis of HCV-specific T cell response in liver transplant recipients before and after antiviral treatment (Pegifn + Ribavirin)
D. Ciuffreda, V. Dutoit, E. Giostra, D. Comte, **L. Bühler**, G. Mentha, M. Pascual, G. Pantaleo
4. Long-term effects of intra-hepatic islet auto- and allografts on liver parenchyma
A. Demirag, N. Guvener, Ph. Morel, S. Richter, S. Deng, C. Toso, J. Philippe, T. Berney, J.-P. Vallee, **L. Bühler**
5. Impact of macrophage migration inhibitory factor in islet transplantation
C. Toso, V. Serre-Beinier, Ph. Morel, A. Wojtusciszyn, M. Armanet, R. Baertschiger, **L. Bühler**, D. Bosco, T. Berney

American Transplant Congress, Mai 2007 (San Francisco)

1. Transplantation of immortalized human hepatocytes as treatment for acute liver failure
A. Sgroi, G. Mai, P. Morel, T.H. Nguyen, V. Serre-Beinier, R.M. Baertschiger, C. Gonelle-Gispert, G. Mentha, P. Majno, D. Trono, **L. Bühler**
2. Potential of hepatocyte differentiation for human mesenchymal stem cells is age dependant
R.M. Baertschiger, D. Bosco, P. Morel, A.J. Kaelin, V. Serre-Beinier, **L. Bühler**, C. Gonelle-Gispert

Congrès annuel de la Société Suisse de Chirurgie, Juin 2007 (Lausanne)

1. Potential of hepatocyte differentiation for human mesenchymal stem cells is age dependent
R.M. Baertschiger, D. Bosco, P. Morel, A. Kaelin, V. Serre-Beinier, **L. Bühler**, C. Gonelle-Gispert
2. Transplantation of immortalized human hepatocytes as treatment for acute liver failure
A. Sgroi, G. Mai, P. Morel, T.H. Nguyen, V. Serre-Beinier, R.M. Baertschiger, C. Gonelle-Gispert, G. Mentha, P. Majno, D. Trono, **L. Bühler**
3. Monitoring human islet of Langerhans with MRI using iron nanoparticles labelling
F. Ris, M. Lepetit Coiffe, C. Toso, J. Vallee, P. Morel, **L. Bühler**, D. Bosco, T. Berney
4. New reanimation perfusion technic coupled with viability tests using ³¹P nmr spectroscopy of organs from non-heart-beating-donors
J.B. Buchs, **L. Bühler**, A. Nastasi, R. Ruttimann, P. Morel
5. Vascular invasion in pancreatic cancer : evaluation of endoscopic ultrasonography, computed tomography, ultrasonography and angiography
N.C. Buchs, J. Frossard, A. Rosset, M. Chilcott, P. Koutny-Fong, G. Chassot, J.H. Fasel, P.A. Poletti, C.D. Becker, G. Mentha, **L. Bühler**, P. Morel

11th World Congress of IPITA, September 2007 (Minneapolis)

1. Transplantation of immortalized human hepatocytes as treatment for acute liver failure
A. Sgroi, G. Mai, P. Morel, T.H. Nguyen, V. Serre-Beinier, R.M. Baertschiger, C. Gonelle-Gispert, G. Mentha, P. Majno, D. Trono, **L. Bühler**
2. International human xenotransplantation inventory : first report
A. Sgroi, **L. Bühler**, M. Sykes, L. Noël
3. Age-related effect on the hepatocyte differentiation potential of human mesenchymal stem cells
R.M. Baertschiger, D. Bosco, P. Morel, A. Sgroi, V. Serre-Beinier, **L. Bühler**, C. Gonelle-Gispert
4. Transplantation of microencapsulated hepatocytes as therapy for fulminant liver failure
L. Bühler

Congrès annuel de la Société Suisse de Chirurgie, May 2008 (Basel)

1. Results of in-situ adult-child split liver transplantation in a swiss program
P.E. Majno, B. Wildhaber, Ph. Morel, T. Berney, **L. Bühler**, M. Bednarkiewicz, O. Huber, C. Chardot, G. Mentha
2. Results of living donor liver transplantation in a swiss program
G. Mentha, P.E. Majno, B. Wildhaber, T. Berney, **L. Bühler**, M. Bednarkiewicz, C. Chardot, Ph. Morel
3. Transplantation of immortalized human hepatocytes improves survival without increase of native liver regeneration in acute liver failure
A. Sgroi, G. Mai, Ph. Morel, R.M. Baertschiger, C. Gonelle-Gispert, V. Serre-Beinier, **L. Bühler**
4. Tolerance induction to xenogeneic islets by anti-CD 154 mab and rapamycin is based on anergy and regulation
Y. Müller, G. Mai, Ph. Morel, C. Gonelle-Gispert, V. Serre-Beinier, G. Puga Yung, J. Seebach, T. Wekerle, **L. Bühler**
5. Human mesenchymal stem cells express albumin in vitro, engraft but do not differentiate into hepatocytes in mice with liver injury
R.M. Baertschiger, M. Peyrou, Ph. Morel, A. Kaelin, A. Sgroi, V. Serre-Beinier, **L. Bühler**, C. Gonelle-Gispert
6. Islet autotransplantation after extended pancreatectomy for benign tumors of the pancreas, a step toward living donors ?
F. Ris, N. Niclauss, Ph. Morel, S. Demuylder-Mischler, J. Oberholzer, **L. Bühler**, D. Bosco, T. Berney