

Schweizerische Stiftung für die Erforschung der Muskelkrankheiten  
Fondation suisse de recherche sur les maladies musculaires  
Fondazione svizzera per la ricerca sulle malattie muscolari

**6<sup>th</sup> Swiss Meeting on Muscle Research**  
**Macolin / Magglingen**  
**3<sup>rd</sup> – 5<sup>th</sup> December 2006**



Organizer: Denis Monard  
Friedrich Miescher Institute  
Maulbeerstrasse 66  
CH-4058 Basel

**CORRIGENDA**

**TIMETABLE OF ORAL PRESENTATION**

## PROGRAMME

### Day 1 - Sunday, 3<sup>rd</sup> December

- 12:00 - 18:00                      Check-in rooms
- 18:00 -                                Arrival and Welcome Drink
- 18:30 - 20:00                      *DINNER*
- 20:15 - 20:35                      Laurent Kreplak  
Müller Institute for Structural Biology, Biozentrum, Basel  
**Structure, assembly and nanomechanics of desmin filaments carrying myopathy mutations**
- 20:35 - 21:10                      Marie-France Steiner-Champlaud  
Clinique de Dermatologie, Hôpitaux Universitaires, Genève  
**Role of plakin family members in maintenance of cytoarchitecture of skeletal and cardiac myocytes**
- 21:10 - 21:45                      Irina Agarkova  
Universitätsspital Zürich, Zürich  
**Sarcomere structure reflects heart functions**

### Day 2 - Monday, 4<sup>th</sup> December

- 07:30 - 08:15                      *BREAKFAST*
- 08:15 - 08:50                      Ernst Niggli  
Department of Physiology, University of Bern  
**Abnormal Ca<sup>2+</sup> signaling in dystrophic skeletal and cardiac muscle**
- 08:50 - 09:25                      Susan Treves  
ZLF, Departments of Anesthesia and Research, University Hospital, Basel  
**Generation of a JP-45 knock out animal model to study the functional JP-45 in excitation-contraction coupling**

- 09:25 - 10:00 Urs Rüegg  
University of Geneva, Geneva  
**Initiating events in calcium deregulation in dystrophic muscle**
- 10:00 - 10:30 *COFFEE BREAK*
- 10:30 - 11:05 Pierre-Yves Jeannet  
CHUV, Lausanne  
**Autosomal dominant nemaline myopathy: a new phenotype unlinked to previously know genetic loci**
- 11:05 - 11:40 Dirk Fischer  
Kantonsspital, Muskelzentrum/ALS clinic, St. Gallen  
**The initial pathophysiology of primary myotilinopathy is different to disiminopathy**
- 11:40 - 12:15 Beat Trueb  
ITI Research Institute, University Bern  
**A mouse model for a novel form of human myopathy**
- 12:15 - 13:30 *LUNCH*
- 13:30 - 16:00 POSTER SESSION
- 16.15 - 16.30 Dr. Loredana D'Amato Sizonenko  
Orphanet Suisse, Genève  
**ORPHANET: the European information centre for rare diseases and orphan drugs".**
- 16:30 - 17:05 Olivier Dorchies  
Laboratoire de pharmacologie, Université de Genève  
**Effects of green tea polyphenols on dystrophic muscle : potential as a Symptomatic treatment for Duchenne muscular dystrophy.**
- 17:05 - 17:40 Thomas Laumonier  
Unité d'Orthopédie et de Traumatologie du Sport, HUG, Genève  
**Lentivirus mediated heme oxygenase-1 gene transfer promotes myogenic progenitor cell survival after transplantation in pigs**

17:40 - 18:15 Nicholas Mermod  
University of Lausanne  
**Gene expression by muscle electrotransfer as an approach to gene therapy**

18:15 - 18.50 Valérie Hinard  
Centre Médical Universitaire, Genève  
**Potassium channel activity triggers human myoblast differentiation**

19:00 - 20.00 *DINNER*

20:00 - POSTER SESSION

**Day 3 - Tuesday, 5<sup>th</sup> December**

08:15 - 08:50 Pico Caroni  
Friedrich Miescher Institute for Biomedical Research, Basel  
**Dissecting selective vulnerability in FALS**

08:50 - 09:25 Christian Fuhrer  
Brain Research Institute, University of Zürich-Irchel  
**Scaffolding mechanisms for nicotinic acetylcholine receptors in muscle and brain**

09:25 - 10:00 Hans Rudolf Brenner  
University of Basel  
**Neuromuscular junctions after deletion of Neuregulin/ErbB signaling**

10:00 - 10:30 *COFFEE BREAK*

10:30 - 11:10 Markus A. Rüegg  
Biozentrum, Universität Basel  
**Pathways that show promise for the treatment of neuromuscular diseases**

## **SCHEDULE OF POSTER PRESENTATION**

## Schedule of Poster Presentations

- 1 C. Bloetzer, B. Najafi, K. Aminian, P.-Y. Jeannet  
**Functional ability monitoring in Duchenne muscular dystrophy using posture and walking time recording in a home environment**
- 2 J. Reutenauer  
**In vivo and in vitro effects of DEBIO025, a non-immunosuppressive Cyclosporine A derivative, on Duchenne muscular dystrophy**
- 3 T. Girard  
**Novel mutations linked to Malignant Hyperthermia**
- 4 S. Meinen, M. Erb, P. Barzaghi, T. Meier, M.A. Rüegg  
**Combination of functionally different treatment options in a mouse model of laminin alpha2-deficient congenital muscular dystrophy**
- 5 S. Saxena, P. Caroni  
**Early events in disease progression in a mouse model of ALS**
- 6 F. Costa, S. Lin, F. Bentzinger, D. Cloetta, F. Oliveri, M.A. Rüegg  
**mTORC1 and mTORC2: two important complexes for the regulation of muscle mass**
- 7 R. Schönauer  
**Myomesin3 - a novel component of the sarcomeric M-band**
- 8 C. Jung, S. Driamov, N. Shirokova, E. Niggli  
**Abnormal stretch sensitivity in cardiomyocytes from *mdx* mice**
- 9 M. Shkryl, A.S. Martins, C. Jung, E. Niggli, N. Shirokova  
**ROS dependent mechanisms contribute to stress-induced Ca<sup>2+</sup> sparks in skeletal muscle fibers**
- 10 P. Mittaud, E. Roulet  
**Involvement of TRPC channels in Duchenne muscular dystrophy**
- 11 G. Shapovalov  
**Involvement and regulation of stretch activated channels in Duchenne Muscular dystrophy**
- 12 S. Köng, A. Béguet, C. Bader, L. Bernheim  
**The calcineurin pathway links hyperpolarization (Kir2.1)-induced Ca<sup>2+</sup> signals to human myoblast differentiation and fusion**
- 13 V. Hinard, S. König, C. Bader, L. Bernheim  
**Human myoblast differentiation is initiated by a tyrosine dephosphorylation of Kir2.1 potassium channels**

- 14 S. Arnaudeau, N. Holzer, S. König, C. Bader, L. Bernheim  
**Calcium sources used by post-natal human myoblasts during initial differentiation**
- 15 A. Briguët  
**Calcium influx triggers calpain- and proteasome-mediated proteolytic activity in cultured muscle cells**
- 16 M. Vukcevic  
**Characterization of recessive RYR1 mutations in patients with core myopathies**
- 17 T. Laumonier, L. Bernheim, P. Hoffmeyer, J. Menetrey  
**Lentivirus mediated heme oxygenase-1 gene transfer promotes myogenic progenitor cell survival after transplantation in pigs**
- 18 S. Lin, G. Bittcher, J. Magyar, M.A. Rüegg  
**Is the induction of ectopic postsynaptic structure a means to ameliorate disease progression in mdx mice?**
- 19 T. Bürli, K. Baer, D. Göckeritz-Dujmovic, A. Wiesner, J.-M. Fritschy, C. Fuhrer  
**The scaffolding machinery of alpha 7 neuronal nicotinic acetylcholine receptors**
- 20 A. Camilleri, M. Gesemann, C. Fuhrer  
**Balance between tyrosine kinases and phosphatases for a stable postsynapse at the neuromuscular junction**
21. E. Lain  
**Embigin, an adhesion molecular regulated by muscle activity, promotes sprouting of nerve terminals**



**ADDRESS LIST OF PARTICIPANTS**

## ATTENDEES

**Agarkova** Irina  
Universitätsspital Zürich  
Abteilung Forschung Chirurgie  
Rämistrasse 100  
8091 Zürich  
irina.agarkova@cell.biol.ethz.ch

**Arnaudeau** Serge  
Centre Médical Universitaire  
Depart. De Neurosciences  
Fondamentales  
1, rue Michel Servet  
1211 Genève 4  
serge.arnaudeau@medecine.unige.ch

**Barzaghi** Patrizia  
Santhera Pharmaceuticals  
Hammerstrasse 25  
4410 Liestal  
patrizia.barzaghi@santhera.com

**Bernheim** Laurent  
Centre Médical Universitaire  
Depart. De Neurosciences  
Fondamentales  
1, rue Michel Servet  
1211 Genève 4  
laurent.bernheim@medecine.unige.ch

**Borradori** Luca  
Departement de Dermatologie  
Hôpitaux Universitaires de Genève  
Rue micheli du Crest 24  
1211 Genève 14  
luca.borradori@hcuge.ch

**Brenner** Hans Rudolf  
Physiology Pharmazentrum, Uni Basel  
Klingelbergstrasse 70  
4056 Basel  
hans-rudolf.brenner@unibas.ch

**Briguet** Alexandre  
Santhera Pharmaceuticals  
Hammerstrasse 25  
4410 Liestal  
alexandre.briguet@santhera.com

**Bürli** Thomas  
Brain Research Institute  
ETH & University of Zürich-Irchel  
Winterthurerstrasse 190  
8057 Zürich  
buerli@hifo.unizh.ch

**Camilleri** Alain A.  
Brain Research Institute  
ETH & University of Zürich-Irchel  
Winterthurerstrasse 190  
8057 Zürich  
camilleri@hifo.unizh.ch

**Caroni** Pico  
Friedrich Miescher Institut  
for Biomedical Research  
Maulbeerstrasse 66  
4058 Basel  
caroni@fmi.ch

**Costa** Céline  
Biozentrum  
Universität Basel  
Klingelbergstrasse 70  
4056 Basel  
celine.costa@unibas.ch

**Darbellay** Basile  
Centre Médical Universitaire  
Depart. De Neurosciences  
Fondamentales  
1, rue Michel Servet  
1211 Genève 4  
darbelb8@etu.unige.ch

**Denizot** Lucile  
Santhera Pharmaceuticals  
Hammerstrasse 25  
4410 Liestal  
lucile.denizot@santhera.com

**Jeannet** Pierre-Yves  
Unité de Neuropédiatrie  
CHUV  
1011 Lausanne  
pierre-yves.jeannet@chuv.ch

**Dorchies** Olivier  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
olivier.dorchies@pharm.unige.ch

**Jung** Carole  
Department of Physiology  
University of Bern  
Bühlplatz 5  
3012 Bern  
jung@pyl.unibe.ch

**Driamov** Sergey  
Institute of Physiology Bern  
Bühlplatz 5  
3012 Bern  
driamov@pyl.unibe.ch

**König** Stéphane  
Centre Médical Universitaire  
Depart. De Neurosciences  
Fondamentales  
1, rue Michel Servet  
1211 Genève 4  
stephane.konig@medecine.unige.ch

**Fischer** Dirk  
Kantonsspital St. Gallen  
Muskelzentrum/ALS clinic  
9007 St. Gallen  
dirk.fischer@kssg.ch

**Kreplak** Laurent  
Müller Institute for Structural Biology  
Biozentrum  
Klingelbergstrasse 70  
4056 Basel  
laurent.kreplak@unibas.ch

**Fuhrer** Christian  
Brain Research Institute  
ETH & University of Zürich-Irchel  
Winterthurerstrasse 190  
8057 Zürich  
chfuhrer@hifo.unizh.ch

**Lain** Enzo  
Physiology Pharmazentrum, Uni Basel  
Klingelbergstrasse 70  
4056 Basel  
enzo.lain@unibas.ch

**Girard** Thierry  
ZLF Basel University Hospital  
Lab 408  
Hebelstrasse 20  
4031 Basel  
thierry.girard@unibas.ch

**Laumonier** Thomas  
Unité d'Orthopédie et de Traumatologie  
du Sport  
Hopitaux Universitaire de Genève  
24 rue Michaeli du Crest  
1211 Genève  
thomas.laumonier@medecine.unige.ch

**Hinard** Valérie  
Centre Médical Universitaire  
Depart. De Neurosciences  
Fondamentales  
1, rue Michel Servet  
1211 Genève 4  
hinard0@etu.unige.ch

**Lin Shuo**  
Biozentrum  
Universität Basel  
Klingelbergstrasse 70  
4056 Basel  
shuo.lin@unibas.ch

**Monard Denis**  
Friedrich Miescher Institut  
for Biomedical Research  
Maulbeerstrasse 66  
4058 Basel  
denis.monard@fmi.ch

**Magyar Josef P.**  
Santhera Pharmaceuticals  
(Switzerland) AG  
Hammerstrasse 25  
4410 Liestal  
josef.magyar@santhera.com

**Nicolet Stefan**  
Müller Institute for Structural Biology  
Biozentrum  
Klingelbergstrasse 70  
4056 Basel  
nicolet\_stefan@gmx.ch

**Meier Thomas**  
Santhera Pharmaceuticals  
(Switzerland) AG  
Hammerstrasse 25  
4410 Liestal  
thomas.meier@santhera.com

**Niggli Ernst**  
Department of Physiology  
University of Bern  
Bühlplatz 5  
3012 Bern  
niggli@pyl.unibe.ch

**Meinen Sarina**  
Biozentrum  
Universität Basel  
Klingelbergstrasse 70  
4056 Basel  
sarina.meinen@stud.unibas.ch

**Perriard Jean-Claude**  
Cell Biology  
ETH Hönggerberg  
8093 Zürich  
jcp@cell.biolz.ethz.ch

**Mermod Nic**  
Lab Molecular Biotechnology  
EPFL FSB LBTM  
Station 6  
1015 Lausanne  
nicolas.mermod@unil.ch

**Puttini Stefania**  
EPFL SB LBTM  
Institut de biotechnologies  
CH A1 398  
Station 6  
1015 Lausanne  
stefania.puttini@unil.ch

**Mittaud Peggy**  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
1211 Genève  
peggy.mittaud@pharm.unige.ch

**Reutenauer Julie**  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
1211 Genève 4  
julie.reutenauer@pharm.unige.ch

**Roulet** Emmanuelle  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
1211 Genève 4  
emmanuelle.roulet@pharm.unige.ch

**Shapovalov** George  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
1211 Genève 4  
george.shapovalov@pharm.unige.ch

**Rognon** Jacques  
Schweizerische Stiftung für die  
Erforschung der Muskelkrankheiten  
Jordils 4  
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**Steiner-Champlaud** Marie-France  
Departement de Dermatologie  
Hôpitaux Universitaire de Genève  
Rue micheli du Crest 24  
1211 Genève 14  
marie-france.steiner-  
champlaud@hcuge.ch

**Rüegg** Markus  
Biozentrum  
Universität Basel  
Klingelbergstrasse 70  
4056 Basel  
markus-a.ruegg@unibas.ch

**Strelkov** Sergei  
Müller Institute for Structural Biology  
Biozentrum  
Klingelbergstrasse 70  
4056 Basel  
sergei.strelkov@pharm.kuleuven.be

**Rüegg** Urs  
Laboratoires de Pharmacologie  
Ecole de Pharmacie  
Université de Genève  
1211 Genève 4  
urs.ruegg@pharm.unige.ch

**Treves** Susan  
ZLF Basel University Hospital  
Lab 408  
Hebelstrasse 20  
4031 Basel  
susan.treves@unibas.ch

**Saxena** Smita  
Friedrich Miescher Institut  
for Biomedical Research  
Maulbeerstrasse 66  
4058 Basel  
smita.saxena@fmi.ch

**Trueb** Beat  
University of Bern  
ITI Research Institute  
Murtenstrasse 35  
3010 Bern  
beat.trueb@iti.unibe.ch

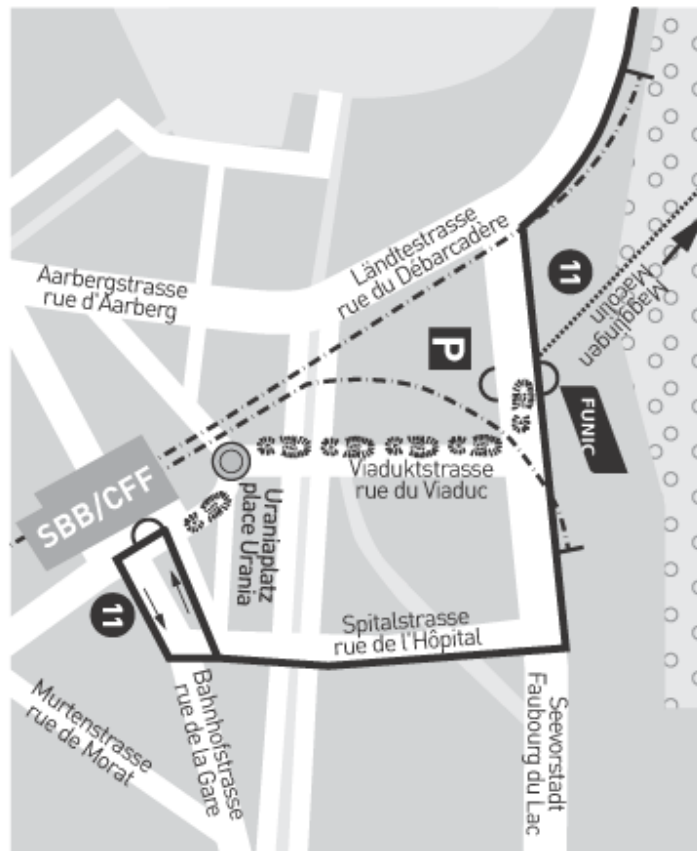
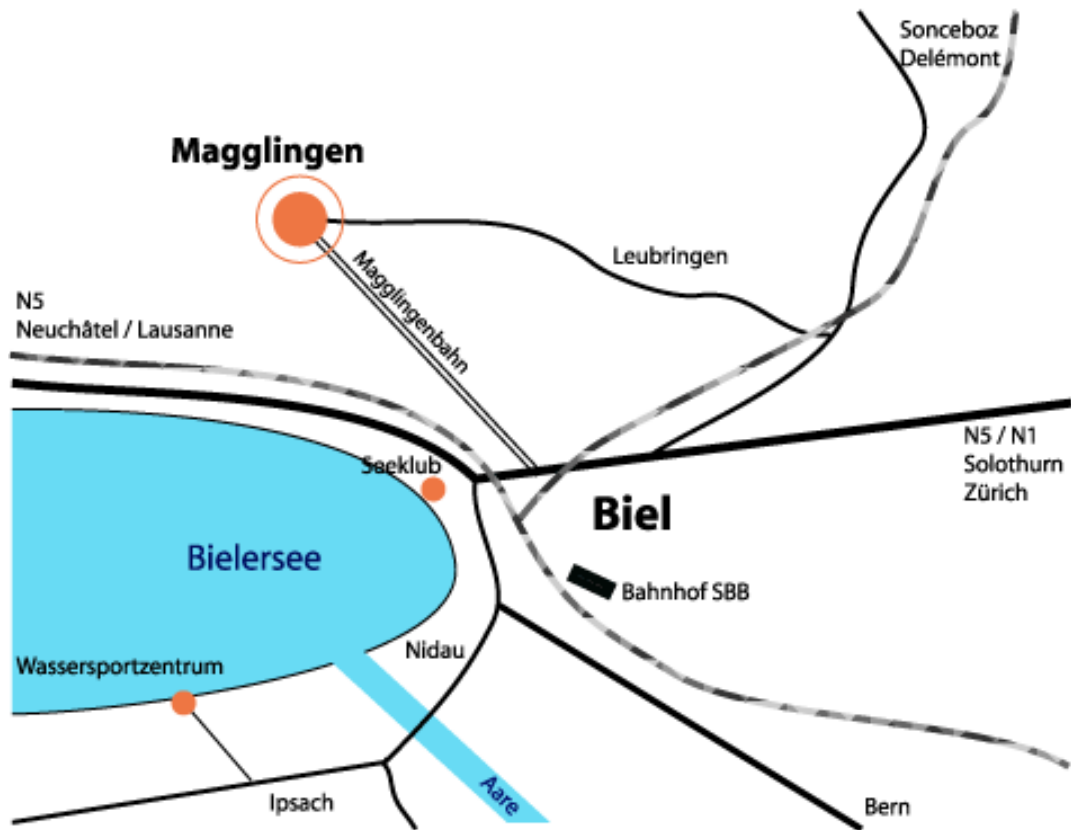
**Schönauer** Roman  
Institute of Cell Biology  
ETH Hönggerberg  
8093 Zürich  
roman.schoenauer@cell.biol.ethz.ch

**Urwyler** Albert  
Departement Forschung und Anästhesie  
Universitätsspital Basel  
4031 Basel  
albert.urwyler@unibas.ch

**Vukcevic** Mirko  
ZLF Basel University Hospital  
Lab 408  
Hebelstrasse 20  
4031 Basel  
mirko\_vukcevic@yahoo.com

**Xia** Jinyu  
ZLF Basel University Hospital  
Lab 408  
Hebelstrasse 20  
4031 Basel  
jinyu.xia@stud.unibas.ch

**LOCATION - FUNICULAR TIMETABLE - PARKING**



- ligne 11 / Linie 11
- chemin de fer / Eisenbahn
- ..... funiculaire / Standseilbahn
- arrêt bus / Bushaltestelle
- ☼ à pied / zu Fuss
- 11 bus 11 Tpb / Bus 11 VB