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

UPDATED VERSION

5th Swiss Meeting on Muscle Research
Macolin / Magglingen
28th – 30th November 2004

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

REVISED

TIMETABLE OF ORAL PRESENTATION

REVISED PROGRAMME

Day 1 - Sunday, 28th November

12:00 - 18:00	Check-in rooms
18:00 -	Arrival and Welcome Drink
18:30 - 20:00	*DINNER*
20:15 - 20:35	Michael Sinnreich Montreal Neurological Institute, Montreal, Canada **From bedside to bench: neuromuscular clinics in specialized centers.**
20:35 - 21:10	Michael Sinnreich Montreal Neurological Institute, Montreal, Canada **The limb girdle muscular dystrophies: clinical, histopathological and molecular aspects**
21:10 - 21:45	Susi Strozzi Inselspital, Bern **Abnormalities in cerebral MR-spectroscopy in children with Duchenne muscular dystrophy**
21:45 - 22:00	Hans Thalmann Schweiz. Gesellschaft für Muskelkranke (SGMK) **Muscle centres - made in Switzerland: a project in progress**

Day 2 - Monday, 29th November

07:30 - 08:15	*BREAKFAST*
08:15 - 08:50	Thierry Kuntzer CHUV, Lausanne **Selective atrophy and muscle weakness in adults: inclusion body myositis**
08:50 - 09:25	Nadine Straumann Institut für Zellbiologie, ETH Hönggerberg, Zürich **Molecular characterisation and function of glycosylation in creatine transporter**

09:25 - 10:00	Yves Gontier Dept. of Dermatology, University Hospital, Geneva **C Z-disc Proteins Myotilin and FATZ Interact With Each Other and Are Potentially Connected to the Sarcolemma via Muscle-Specific Filamins**
10:00 - 10:30	*COFFEE BREAK*
10:30 - 11:05	Laurent Kreplak M.E. Müller Institute, Biozentrum, Basel **Structural dissection of intermediate filaments assembly pathway**
11:05 - 11:40	Stéphane König Centre Medicale Universitaire, Geneva **Membrane hyperpolarization triggers human myoblast differentiation**
11:40 - 12:15	Beat Trueb ITI Research Institute, University Bern **A novel FGF receptor controls the formation of musculoskeletal tissues**
12:15 - 13:30	*LUNCH*
13:30 - 16:30	POSTER SESSION
16:30 - 17:05	Susan Treves Kantonsspital Basel **Functional role of JP-45 in skeletal muscle excitation-contraction coupling**
17:05 - 17:40	Christian Fuhrer Brain Research Institute, University Zürich **Tyrosine kinase pathways in formation and maintenance of the neuromuscular junction**
17:40 - 18:15	Hans-Rudolf Brenner Institute of Physiology, University Basel **Regulation of Synapse-specific gene expression at the neuromuscular junction**
18:15 - 18:50	Florence Perrin Dept. of Fundamental Neuroscience, Geneva **Gene profiling of laser micro-dissected motoneurons using microarrays in three mouse models of motoneuron disease**
18:50 - 20:15	*DINNER*

20:15 - 20:50	Pico Caroni Friedrich Miescher Institute, Basel **The site of selective vulnerability in motoneuron disease**
20:50 -	POSTER SESSION

Day 3 - Tuesday, 30th November

08:15 - 08:50	Josef D. Magyar Myocontract AG, Liestal **Small-molecule calpain inhibition as a option for the treatment of Duchenne muscular dystrophy**
08:50 - 09:25	Sarina Meinen Biozentrum, University Basel **Development of new approaches for the treatment of muscular dystrophies**
09:25 - 10:00	Nicolas Mermod EPFL, Lausanne **The inducible system network for expression of utrophin cDNA by electrotransfer in mouse muscle**
10:00 - 10:30	*COFFEE BREAK*
10:30 - 11:10	Jacques Ménétrey Hôpitaux Universitaires de Genève **Autologous transplantation of myogenic precursor cells in pig skeletal muscle**
11:10 - 11:40	Urs T. Ruegg University of Geneva **Pharmacological approaches to the treatment of Duchenne Muscular Dystrophy using the *mdx^{5Cv}* mouse model**
11:40 - 12:10	Irina Agarkova Institute of Cell Biology, ETH Zürich Hönggerberg **New insights into sarcomeric M-band function**

SCHEDULE OF POSTER PRESENTATION

Schedule of Poster Presentations

1 G.P. Ramelli, J. Hammer
Physicians' attitude and practises in long-term non-invasive ventilation of Duchenne muscular dystrophy in Switzerland

2 G.P. Ramelli, A. Bagnall, C. King, T. Davies, R. Knight, F. Muntoni
Indications for gastrostomy placement in paediatric neuromuscular patients and its outcome

3 T. Girard
Genetic testing for malignant hyperthermie susceptibility in Switzerland

4 O.M. Dorchies, S. Wagner, K. Waldhauser, O. Vuadens, M. Pasquier, K. Wiegler, R. Debernardi, T.M. Buetler, P. Kucera, and U.T. Rüegg
Green Tea antioxidant polyphenols improve histology and mechanical properties of skeletal muscle in the dystrophic mdx5Cv mouse

5 S. Lin, X. Chu Kong, M.A. Rüegg
RNA interference of mTOR and its interactors induces muscle hypertrophy or atrophy

6 S. Ducreux
Effect of ryanodine receptor mutations on IL-6 release and intracellular calcium homeostasis in human myotubes from Malignant Hyperthermia susceptible individuals and patients affected by Central Core Disease

7 I. Courdier-Fruh, J.P. Magyar, and A. Briguet
Protease inhibition increases utrophin level in muscle cells

8 M. Dunand, A. Lobrinus, G. Gremion, C. Navarro, T. Kuntzer
Severe expression of a McArdle disease due to a splicing mosaic of the myophosphorylase gene

9 T. Kuntzer, P. Michel, K. Jurkat-Rott, D. Sternberg
Transient muscle membrane inexcitability after provocative tests in myotonic disorders is related to mutation type or to number of triplets

10 T. Kuntzer, A. Lobrinus, M. Dunand, R. Janzer, M. Davis, N. Laing
Correlations in an Autosomal Dominant Congenital Myopathy with Cores and Rods Associated with a Novel C13910T Mutation in the Ryanodine Receptor (RYR1) Gene

11 G.P. Ramelli, S. Torelli, L. Feng, C. Jimenez-Mallabrera, M. Antonietta Maioli, S.C. Brown
Expression of a-dystrobrevin in patient with neuromuscular disease

12 S. König, A. Beguet, V. Hinard, S. Arnaudeau, N. Holzer, C.R. Bader and L. Bernheim
Membrane hyperpolarization triggers human myoblast differentiation

13 V. Hinard, S. König, C.R. Bader and L. Bernheim
Activation of Kir2.1 channels by tyrosine kinase inhibition initiates human myoblast differentiation

14 S. Arnaudeau, N. Holzer, S. König, C.R. Bader, L. Bernheim
Calcium homeostasis during human myoblast differentiation

15 G. Sadasivam, R. Willmann, X. Chu Kong, S. Erb-Vögtli, M.A. Rüegg, Ch. Fuhrer
Mode of action of Src-family kinases in acetylcholine receptor stabilization

16 R. Willmann, G. Sadasivam, S. Erb-Vögtli, Ch. Fuhrer
Role of lipid rafts in stabilization of the postsynaptic apparatus in muscle

17 A.A. Camilleri, P. Mittaud, R. Willmann, Ch. Fuhrer
Mechanisms of MuSK signaling at the neuromuscular junction

18 P. Escher
Laser-assisted and proteomics approaches in neuromuscular junction analysis

19 M.M. Lino, S. Atanasoski, M. Kvajo, U. Suter and D. Monard
Schwann cells PN-1 expression is critical for a proper re-innervation after nerve crush

20 S. Carnejac, P. Esher, H.R. Brenner
Embigin, a surface molecule in muscle involved in neuromuscular synpase formation?

21 M. Ferrer-Alcón, C. Hirt and A.C. Kato
Effect of grafted neural stem cells on the motor functions and life-span in mice with an inherited degeneration of motoneurons

22 S. Lefler, P. San, A. Ferrão Santos and P. Caroni
Selective vulnerability of FF motor units in a mouse model of ALS

23 S. Meinen, R. Stucka, H. Lochmüller, M.A. Rüegg
Inducible systems to evaluate the therapeutic potential of mini-agrin in MDC1A mice

24 P. Barzaghi, M.A. Rüegg
Analysis of the functional domains of mini-agrin involved in the amelioration of the phenotype in MDC1A mice

25 G. Bittcher, S. Lin, M.A. Rüegg
Upregulating utrophin on muscle membrane by overexpression of neural agrin: an alternative strategy

26 T. Laumonier
Heat shok pre-treatment of myogenic precursor cells: how they survive after autologous transplantation in pig skeletal muscle?

27 A. Briguet, M. Foster, I. Courdier-Fruh, T. Meier, and J.P. Magyar
In vitro profiling of calpain inhibitors as potential drug candidates of the treatment of Duchenne muscular dystrophy

28 A. Briguet, I. Courdier-Fruh, M. Foster, T. Meier, and J.P. Magyar
Histological parameters for the quantitative assessment of muscular dystrophy in the mdx-mouse

29 A. Briguet, I. Courdier-Fruh, M. Foster, T. Meier, and J.P. Magyar
Improved muscle histolog in the mdx-mouse upon application of novel small-molecule calpain inhibitors

30 Harald Bär
Molecular basis of desmin-related myopathy

31 J.L. Ridet, T. Tallone, S. Rusconi, D. Bron
First steps towards systemic muscle gene therapy: in vitro efficiency and stability of non-viral vectors

32 R. Schönauer, P. Bertoncini, M. Hegner, I. Agarkova, G. Machaidze, U. Aebi and J.-C. Perriard
Myomesin is a molecular spring with adjustable elasticity

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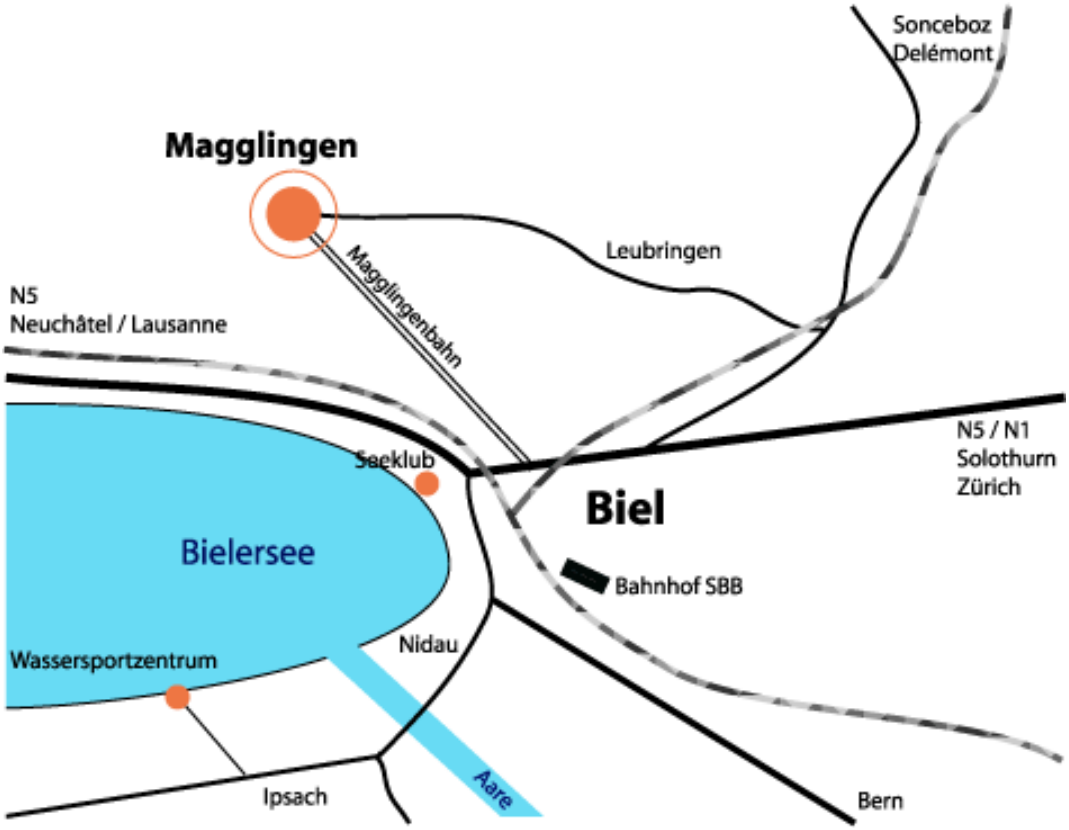
LOCATION - FUNICULAR TIMETABLE - PARKING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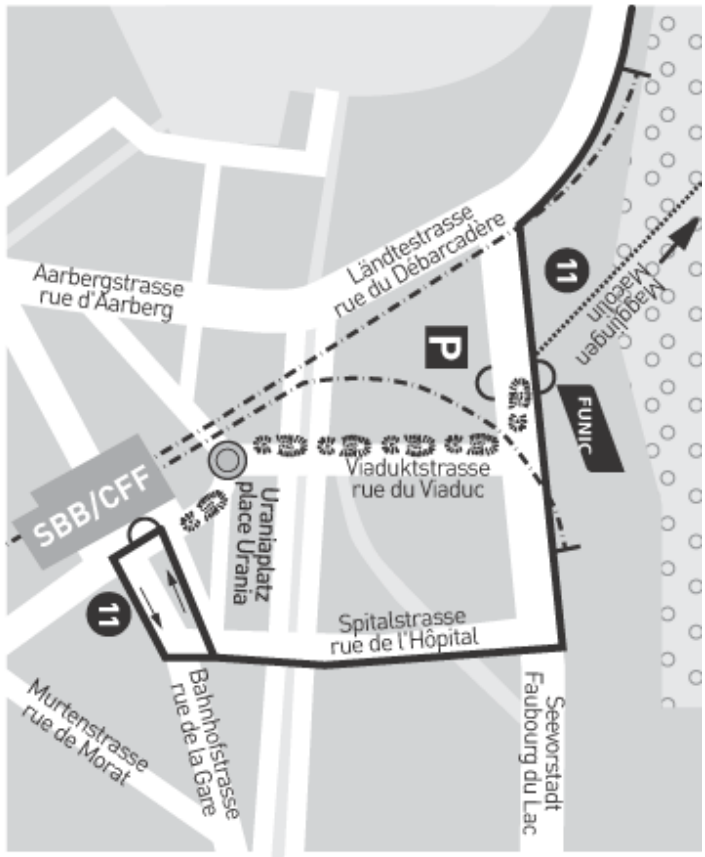
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place Urania
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11
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