

Workshop Pilsen 2008



Department of Pathological Physiology in Pilsen
and Noldus Information Technology Company
invite you for a workshop focused on
experimental behavioural research.

Wednesday 23. 1. 2007 Pavlovov` Building, Lidická 1, Pilsen,
Czech Republic

Among other things the new system CatWalk for sophisticated analysis of
walking manner and gait control in laboratory rats and mice will be presented.

Program

Chairpersons: Assoc. Prof. F. Vožeh, M.D., Ph.D., A. Zumrová, M.D., Ph.D.

9:00-9:10 Introduction (F. Vožeh)

9:10-10:00 Presentation of Noldus Company (R. Roelofs)

10:00-10:10 Break

10:10-11:00 Presentation of CatWalk (R. de Keijzer)

11:00-11:10 Break

11:10-12:00 Experimental behavioural research (P. Fabene)

12:00-13:30 Lunch

Chairpersons: J. Barcal, M.D., Ph.D., R. Roelofs, M.Sc.

13:30-14:00 Application of EthoVision for Morris water maze experiments
(K. Deykun, M. Pometlová)

14:00-14:30 Human spinocerebellar atrophias (A. Zumrová)

14:30 -15:00 Animal models of cerebellar dysfunction (F. Vožeh)

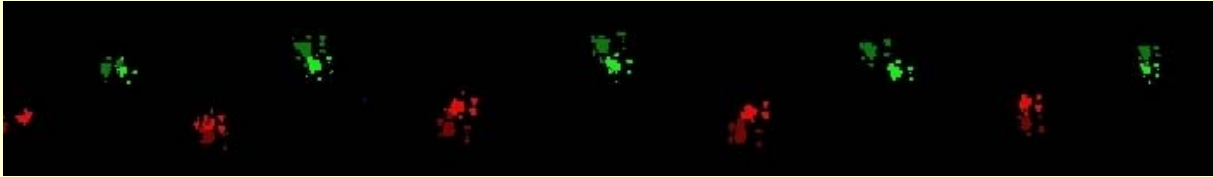
15:00 -16:00 CatWalk analysis of the manifestation of cerebellar ataxia in mice
(J. Voller, J. Cendelín, J. Barcal, J. Tůma)

16:00 -16:10 Break (moving to laboratories)

16:10 - ? Hands on the CatWalk and EthoVision (optional) (Organizer: J.Tůma, MSc.)



Noldus
Information Technology



CatWalk™

CatWalk dynamically records the position, timing, pressure, and dimensions of each footfall on basis of which numerous parameters are calculated. With a rich feature set for data acquisition and gait analysis, **CatWalk** can be used for various applications in the fields of:

Spinal cord injury
Neuropathic pain
Arthritis
Parkinson's disease
Muscular dystrophy
Stroke
ALS
Behavioral abnormalities

Results of the first application of the **CatWalk system for evaluating ataxia will be presented.**

Organizing information:

- Free of charge.
- Snack during the meeting is provided, lunch can be bought in a cafeteria.
- After talks there will be an optional demonstration of the systems **CatWalk** and **EthoVision** for interested participants.
- Social meeting is planned.
- For more information about the workshop and, eventually, about accommodation please feel free to contact voller@lfp.cuni.cz
- **Important:** please confirm your interest to join the meeting until the end of November at e-mail voller@lfp.cuni.cz



- Faculty of Medicine in Pilsen, Charles University in Prague -
Lidicka 1, 301 66, Pilsen, Czech Republic