LABORAS™
Let the computer score!

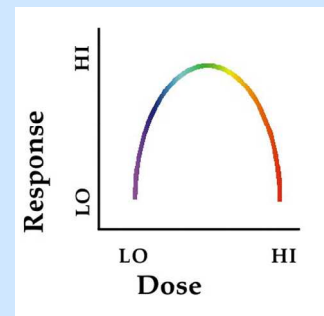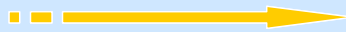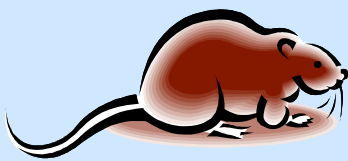# One system – Multiple tests
Saving Time, Money and Animals

The LABORAS system

▽ LABORAS automatically recognises behaviors based on vibration analysis

▽ One LABORAS system
- o distinguishes more than **16** different rat and mouse behaviours
- o provides high resolution position tracking
- o can be integrated with telemetry measurements and data processing (heart rate, blood pressure, temperature)

▽ On a single LABORAS system the researcher can perform many different animals tests

▽ Proven system that saves up to 75% of your experiment leadtime and decreases 90% of your day-to-day workload

▽ Improves animal behaviour scoring of fast movements like scratching, WDS and head shakes

▽ Operates independent of light; high quality scoring in dark when the animals are most active

▽ 8 platform configuration: High throughput proven up to 1200 test sessions per month!

▽ Storage of 1 MB/hrs/animal raw data enables re-use of existing experiments with new behaviour detection modules: avoid repeating experiments.

▽ Examples: (Primary) Observation Test, Motor Activity Test, Open Field Test, Eating Test, Drinking Test, (Anti-)Convulsive Test
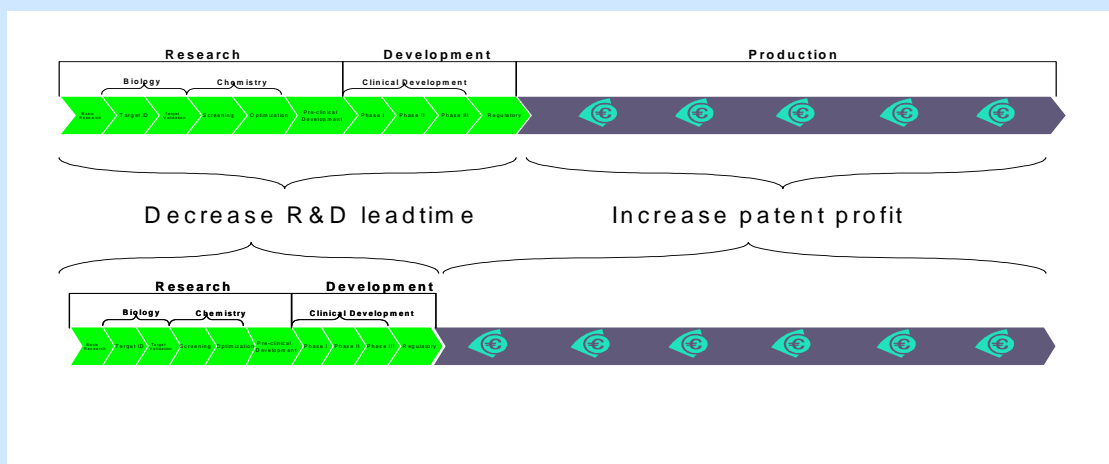
Automatic scoring of behavior

Tracking	Normal behaviours	Special behaviors
High resolution XY position	Locomotion	Scratching
Velocity (avg, max, Lmax)	Immobility	Paw Licking
Distance travelled	Rearing	Purposeless Chewing
Position Distribution	Grooming	Circling / Turning
Circling & Turning	Eating	Seizures (tonic-clonic)
(CW & CCW)	Drinking	Seizures (barrel rolls)
Estimation of energy use*	Climbing	Seizures (P5 and P4)
		Wet Dog Shakes
		Head Shakes
		Head Twitches

from Treatment to Dose Response Curve

Leads to

Decrease R&D leadtime   Increase patent profit

Saving time and workload & improving R&D
Profit from earlier introduction of your new drug

For commercial information please contact sales@metris.nl.