T1DM
Young
Aging
3-month-old rats + STZ, 50 mg/kg, i.p., n=30*
3-month-old rats, n=20
3-month-old rats, n=25*
30 days
30 days
450 days
4-month-old diabetic rats, n=20
Glucose level > 15 mmol/L
4-month-old control rats, n=20
18-month-old rats, n=20
Diab+dmso, n=5
Diab+TP, n=5
Yuong+dmso, n=5
Yuong+TP, n=5
Aging+dmso, n=5
Aging+TP, n=5
Diab+sal, n=5
Diab+hCG, n=5
Yuong+sal, n=5
Yuong+hCG, n=5
Aging+sal, n=5
Aging+hCG, n=5
Five days treatment
with saline, or DMSO, or low-molecular-weight allosteric agonist of LHCGR (TP, 20 mg/kg/day, i.p. in DMSO) or human chorionic gonadotropin (hCG, 20 IU/rat/day, s.c. in saline), and monitoring of blood testosterone levels.
Decapitation of animals and collection of the testes and blood for further analysis
* - the number of animals before randomization