

## CHOLINERGIC NEURON

IL-6/CNTF/LIF



gp130 = IL6ST  
LIFR

HACU



JAK1/2  
TYK2



STAT1/3/5



CLOCK  
ARNTL



LHX6/LHX8



Induction of ChAT/vAChT  
(pro-cholinergic) &  
pro- as well as anti-  
inflammatory cascades

Dimerisation,  
receptor phosphorylation,  
STAT binding

STAT phosphorylation,  
dimerisation,  
nuclear translocation

## RECEPTIVE NEURON



IL6R/CNTFR



AChE

PRiMA  
COLQ



AChR

