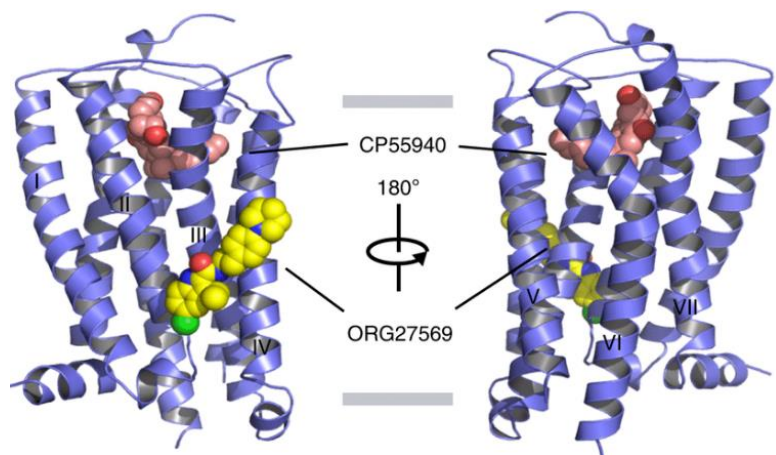


# A mathematical model of CB<sub>1</sub> receptor allosteric modulation

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## Introduction and Objectives



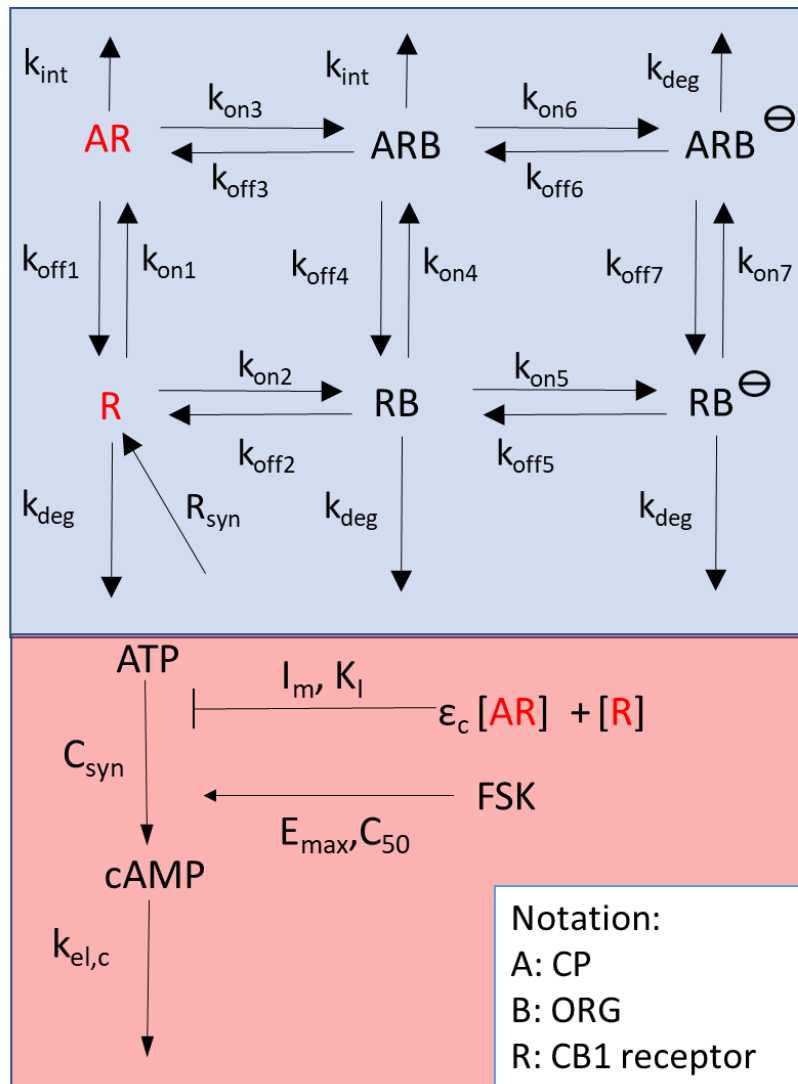
**CP is agonist**  
Internalisation;  
cAMP inhibition

**ORG is allosteric modulator**  
No internalisation;  
weak cAMP stimulation

**ORG effect on CP**  
ORG increase CP binding;  
ORG decreases CP induced internalisation;  
ORG reverse CP induced cAMP inhibition

**Aim:** establish a mathematical model of allosteric modulation of CB<sub>1</sub>.

## Model build



## Model evaluation

