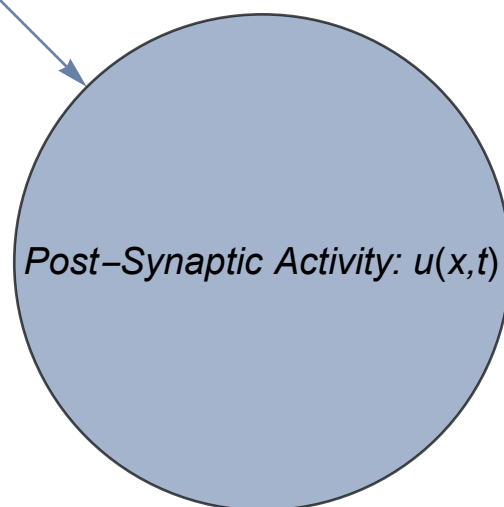


Feed Foward Connections:  $S(x, y)$



Recurrent Connections:  $W(x, x')$