Final equations:

$$\frac{dN}{dt} = rN((\gamma_1 - \delta_1)(1 - (\frac{\frac{v_3}{a_3} - O_2(N,M)}{cp})) - p_3) \tag{1}$$

$$\frac{dM}{dt} = rM((\gamma_2 - \delta_2)(1 - (\frac{\frac{v_3}{a_3} - O_2(N,M)}{cp}))) + rN(2p_3 + p_2) - MsI \tag{2}$$

$$\frac{dI}{dt} = r_i M(1 - \frac{I}{I_H + RecruitMI}) \tag{3}$$

Driver Feedbacks to Cancer:

$$\delta_2 = \delta_2(\frac{1}{1 + \frac{d_t}{mut}} MFeedback_\delta) \tag{4}$$

$$\gamma_2 = \gamma_2 + \gamma_2(\frac{MaxGammaAdd}{1 + \frac{\frac{d_o}{mut}M}{Feedback_\gamma}}) \tag{5}$$

Driver Feedbacks to Immune system:

$$S = S\frac{1}{1 + MInsensitive} \tag{6}$$

$$Recruit = Recruit\frac{1}{1 + EM} \tag{7}$$