Abstract

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We tuned the parameters of the mitral cells by running the OB model as a function, with a range of parameters that adjust the feed-forward inhibition and the input frequency. A tuning curve derived from the anaylysis function for firing rates and latency is plotted against $frequency$. The peaks are extracted from the results to create a contour plot, which shows that there is a shift to the right of resonance as the $PGInput$ increases in strength. After the location of resonance was found, we created a second contour plot to consider the strength of the resonance. The second contour plot shows that the resonacne strength increases when the $ExitationFactor$ is high and the $PGInput > 0.5$.