

FIG. 1A

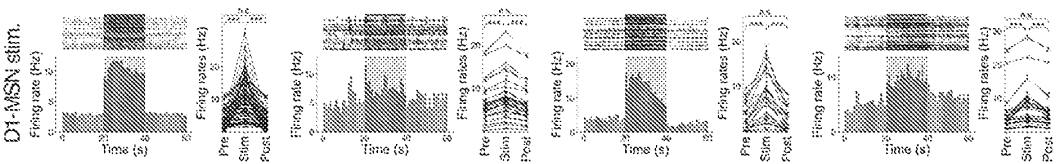


FIG. 1B

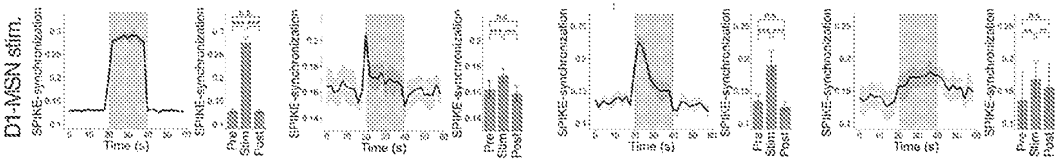


FIG. 1C

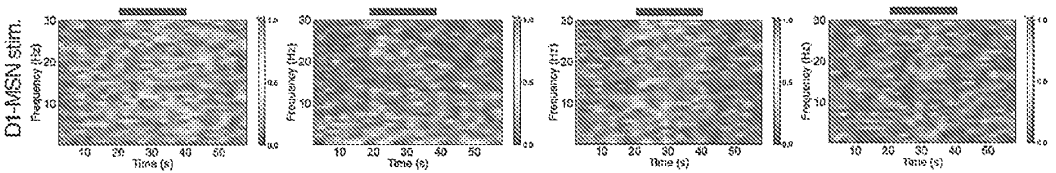
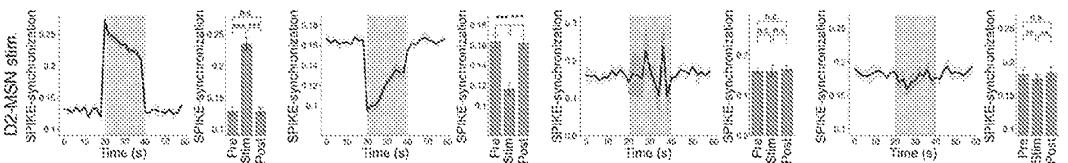
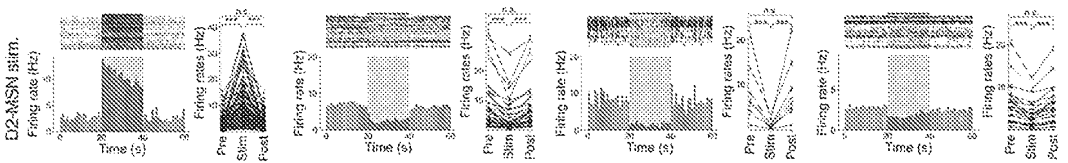
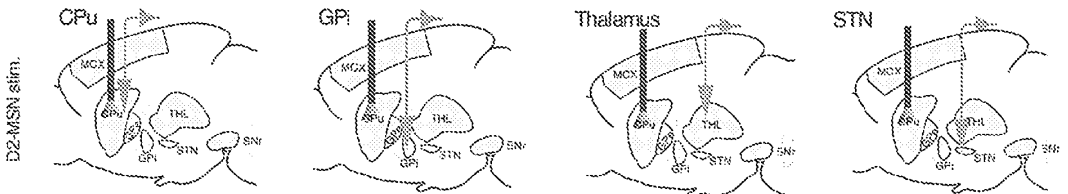
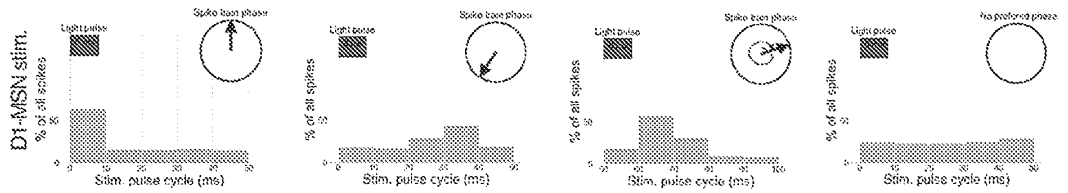


FIG. 1D



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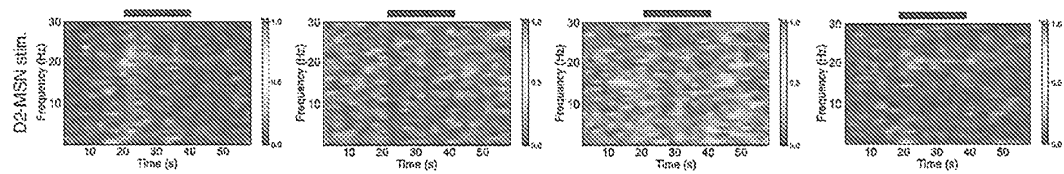


FIG. 2D

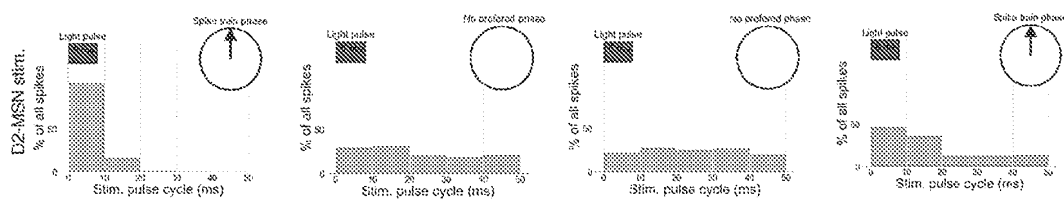


FIG. 2E

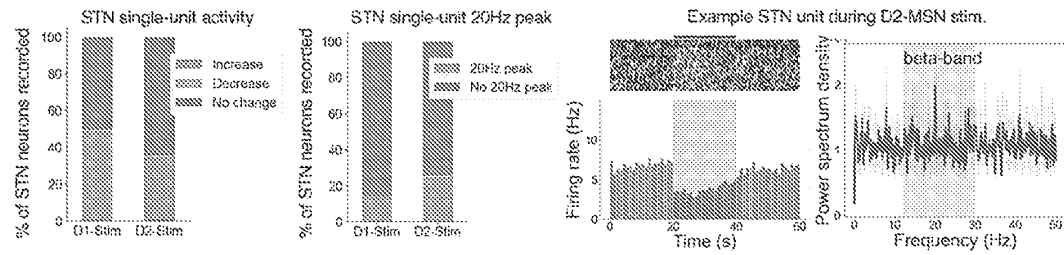


FIG. 2F

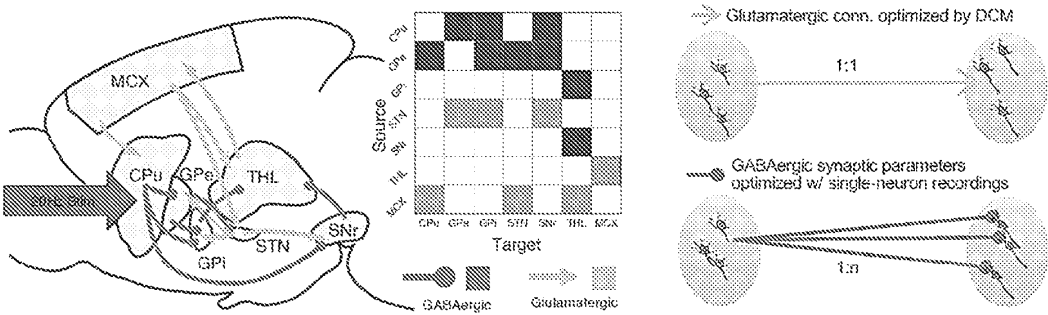


FIG. 3A

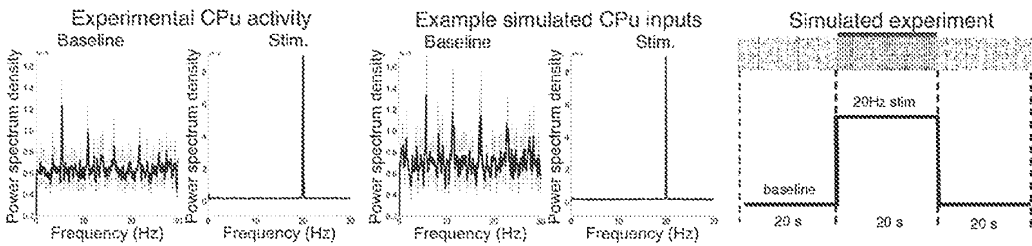


FIG. 3B

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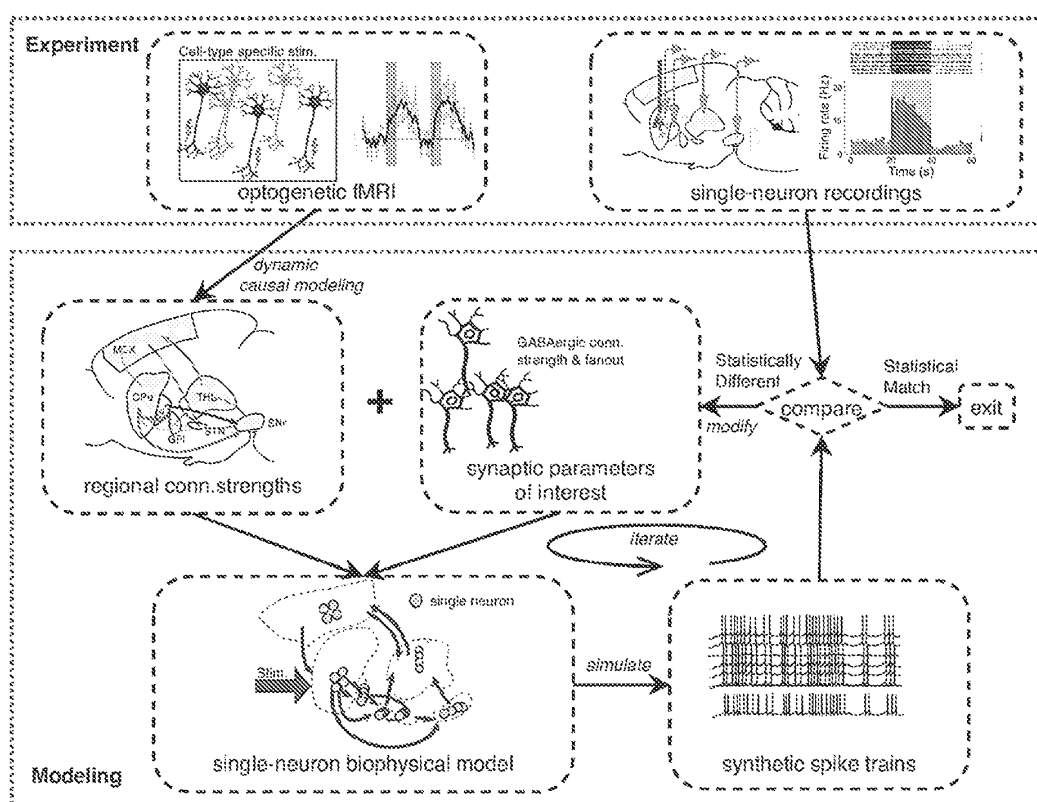


FIG. 3C

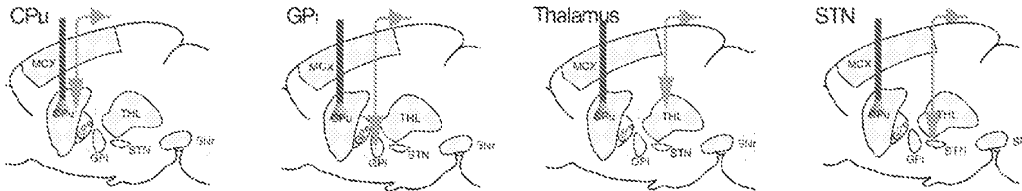


FIG. 4A



FIG. 4B

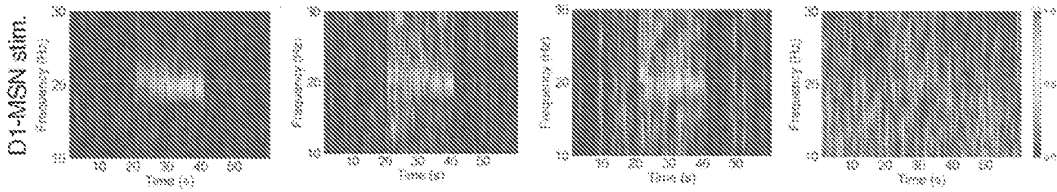


FIG. 4C

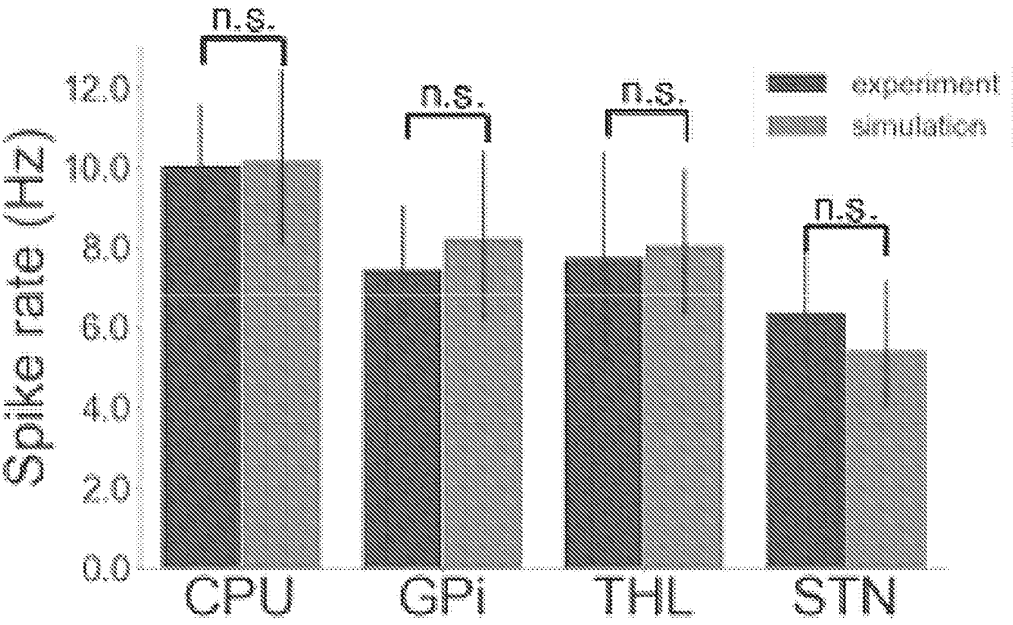


FIG. 4D

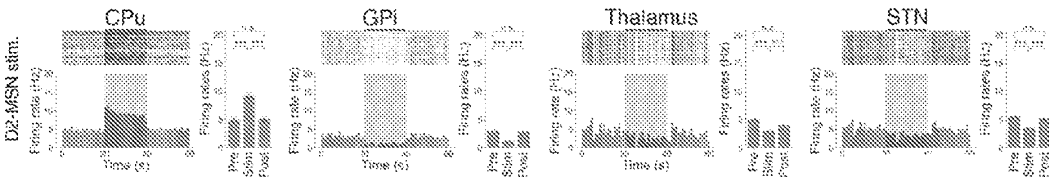


FIG. 4E

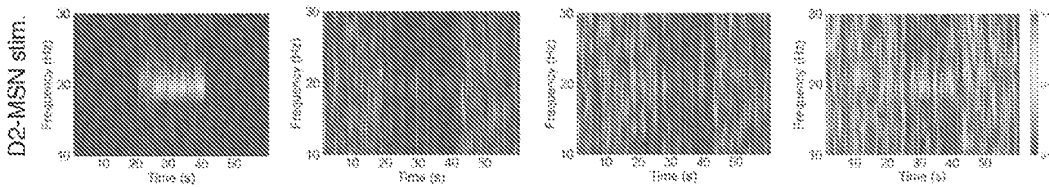


FIG. 4F

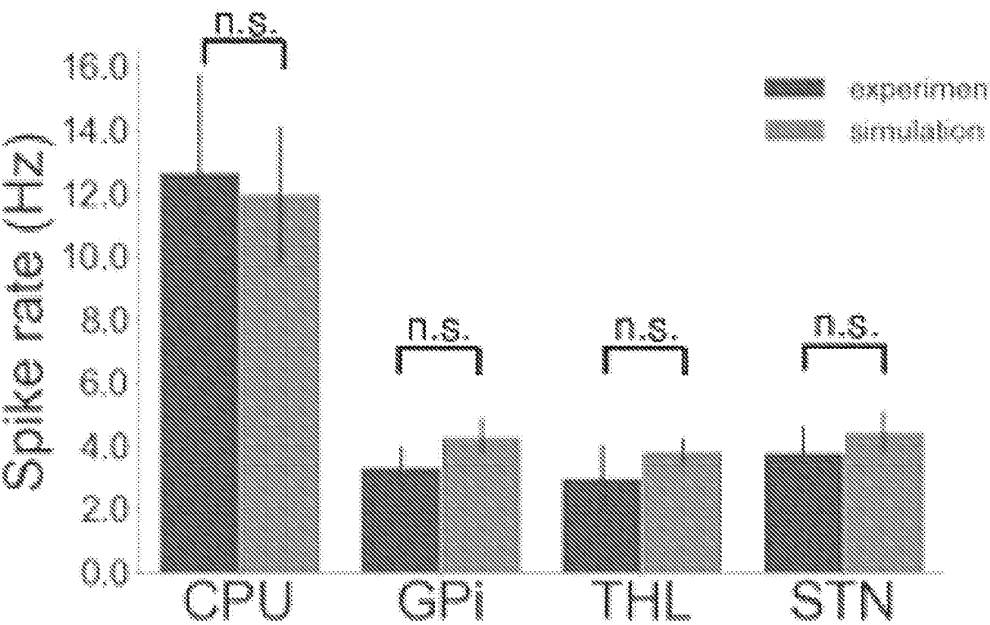


FIG. 4G

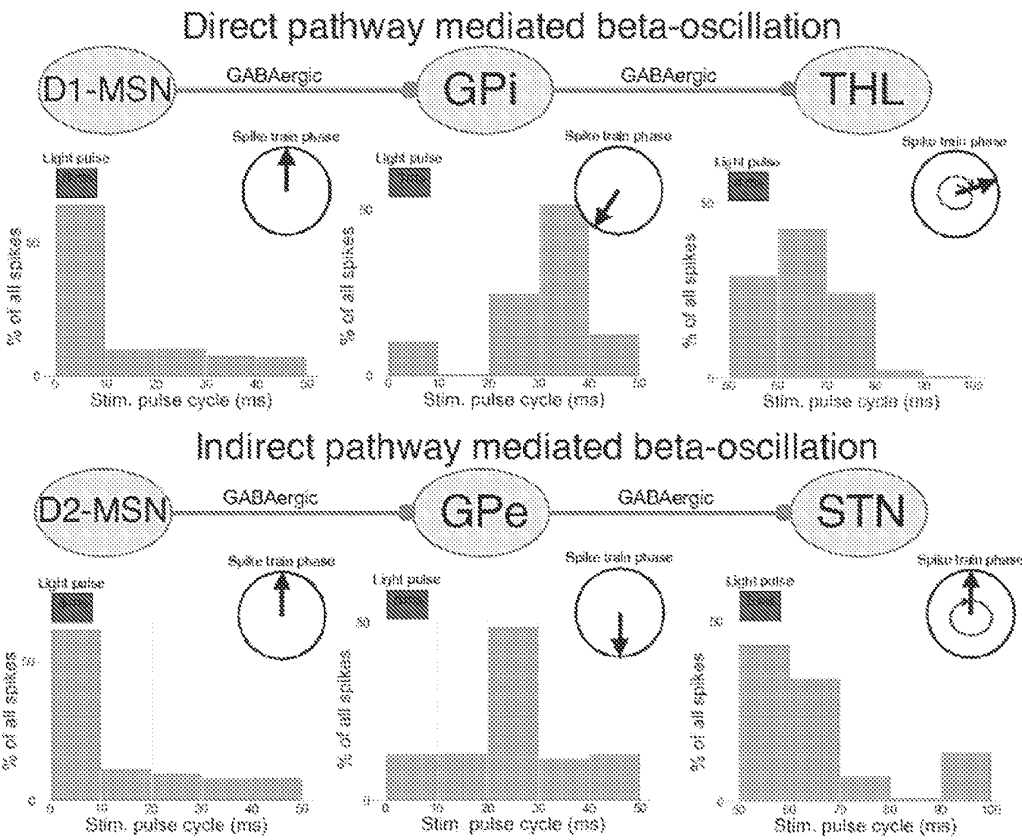


FIG. 4H

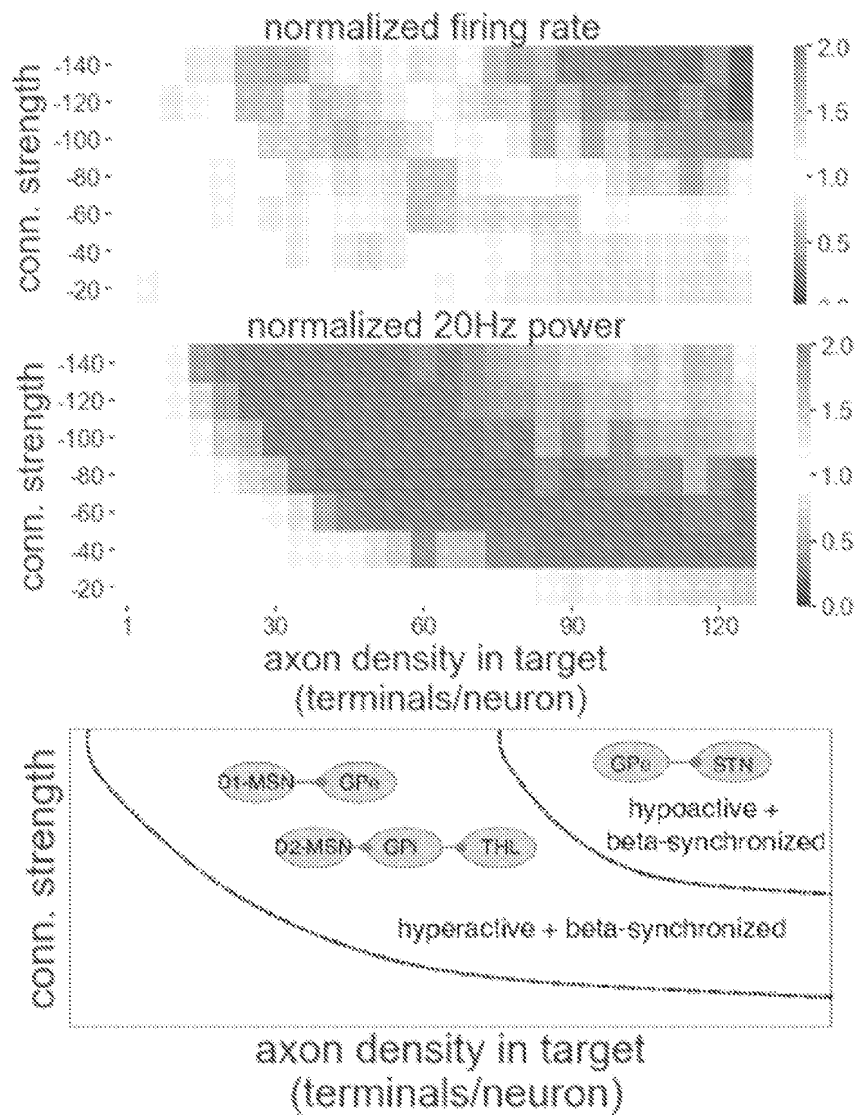


FIG. 4I

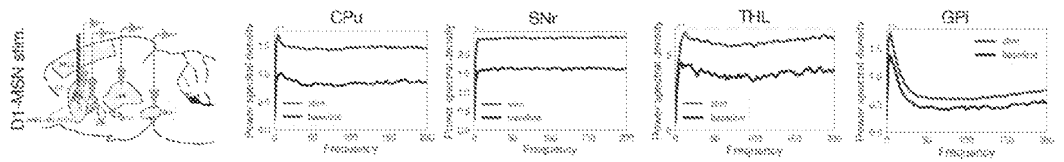


FIG. 5A

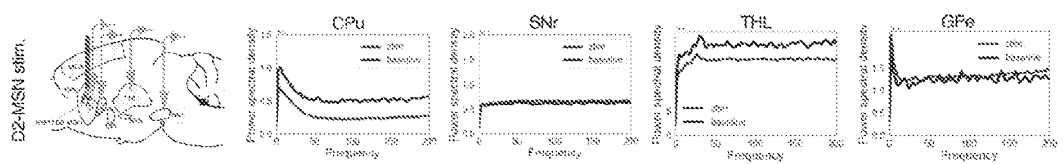


FIG. 5B

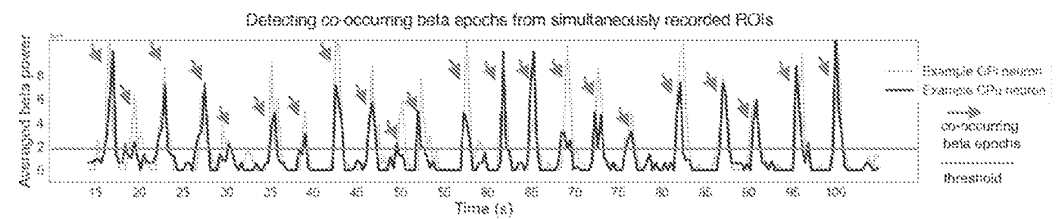


FIG. 5C

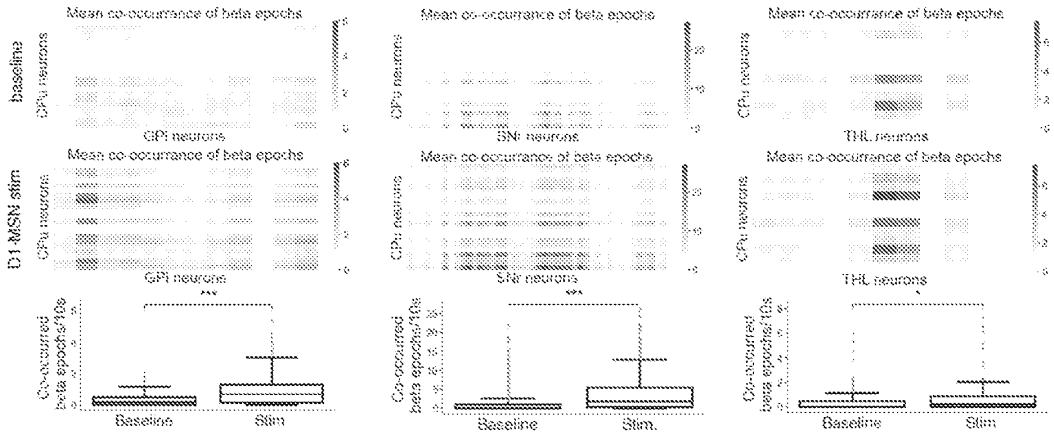


FIG. 5D

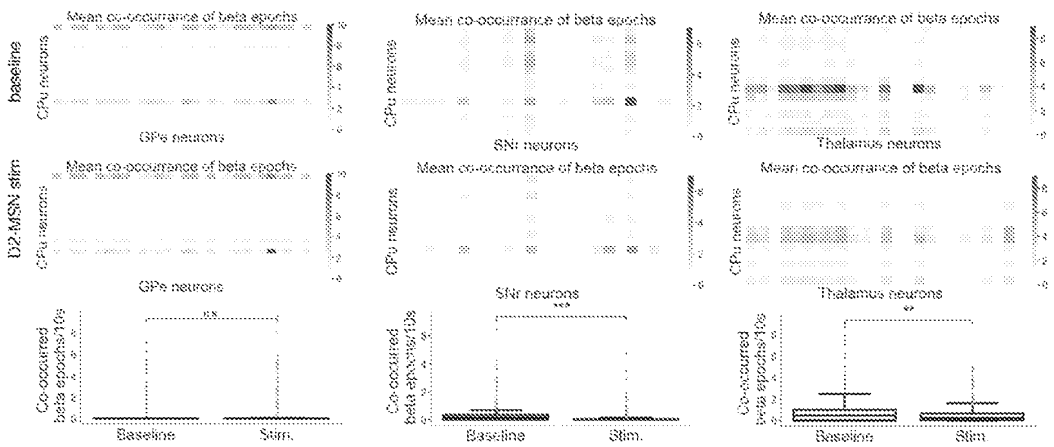


FIG. 5E

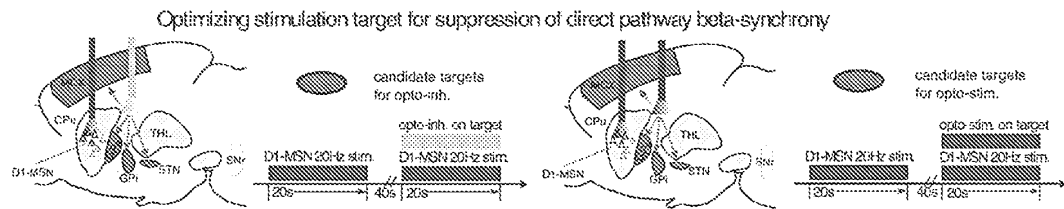


FIG. 6A

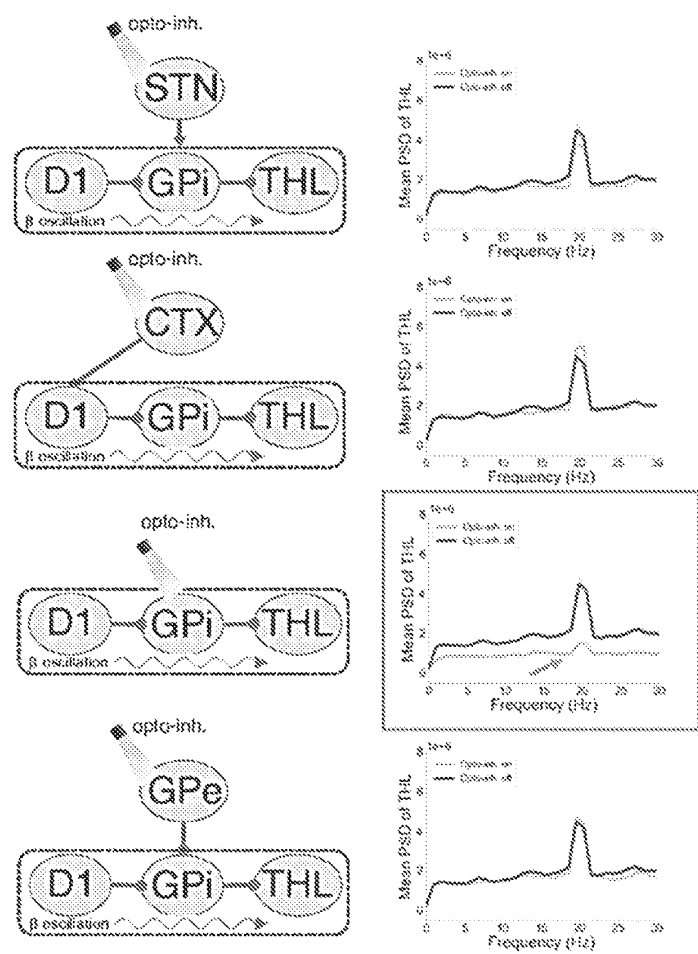


FIG. 6B

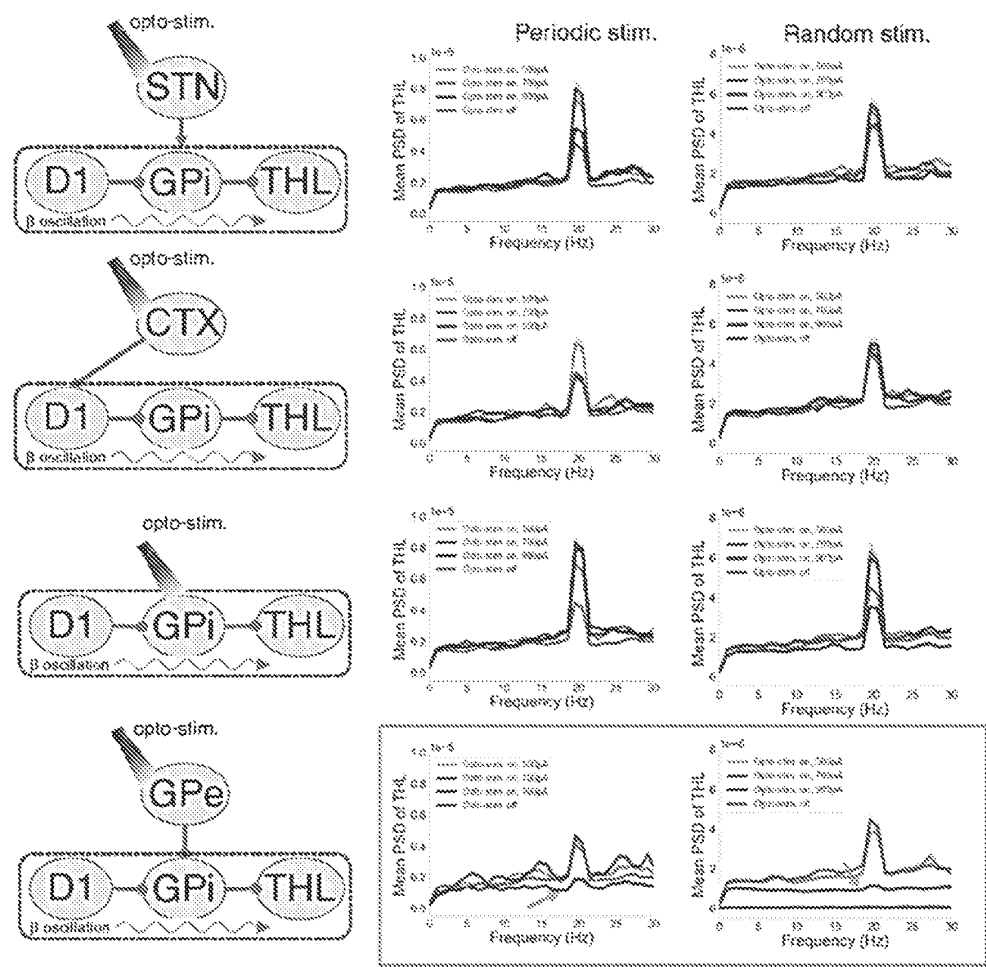


FIG. 6C

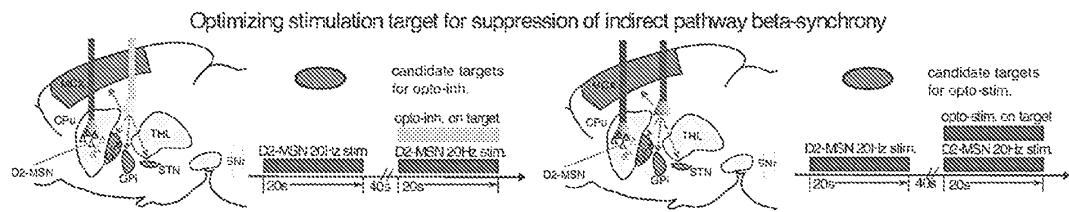


FIG. 6D

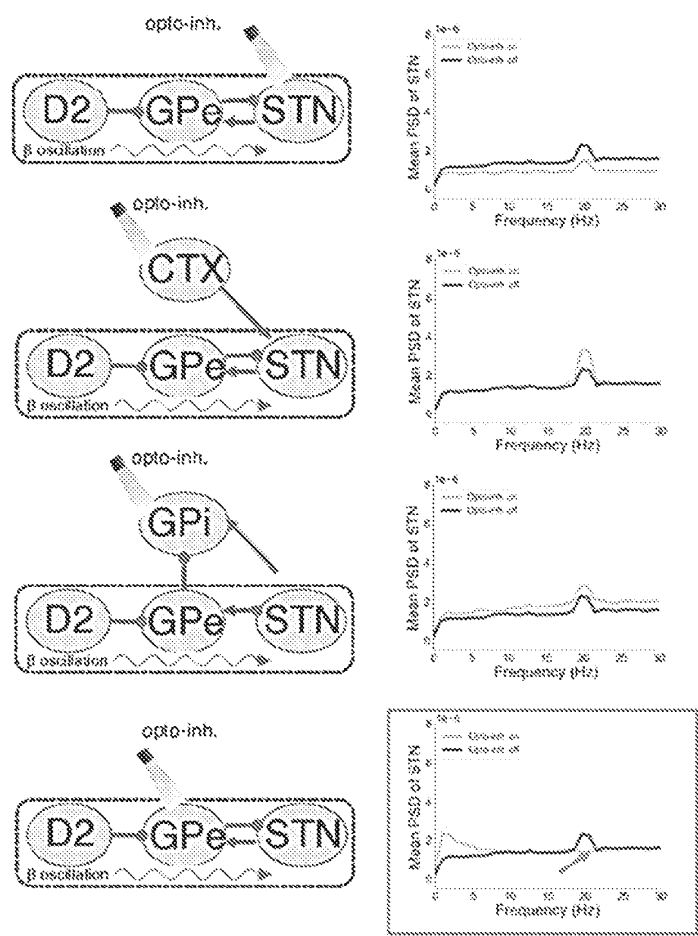


FIG. 6E

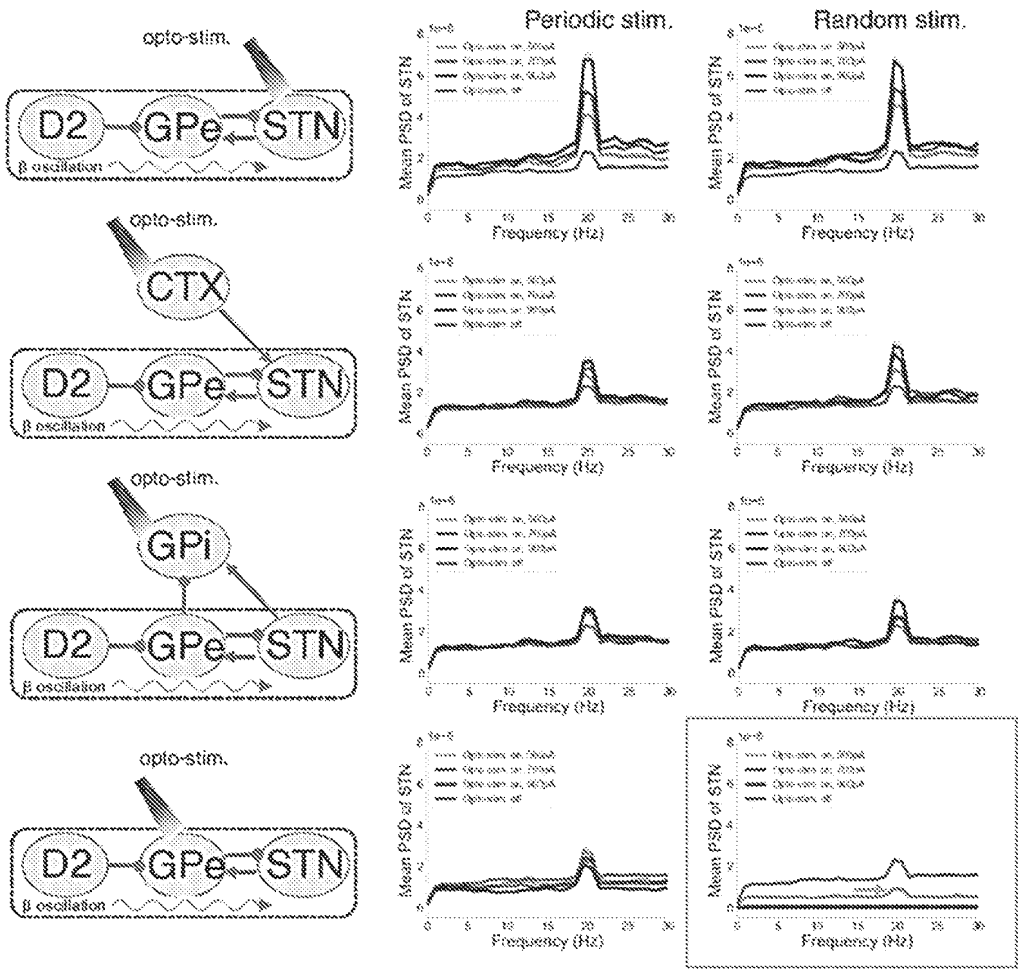


FIG. 6F

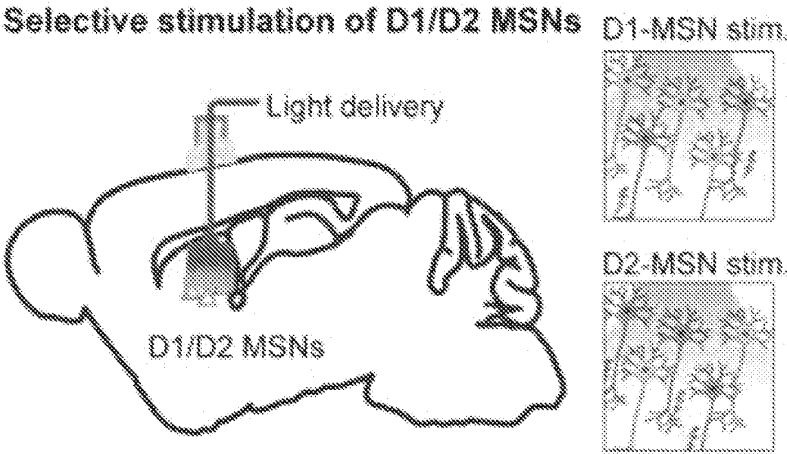


FIG. 7A

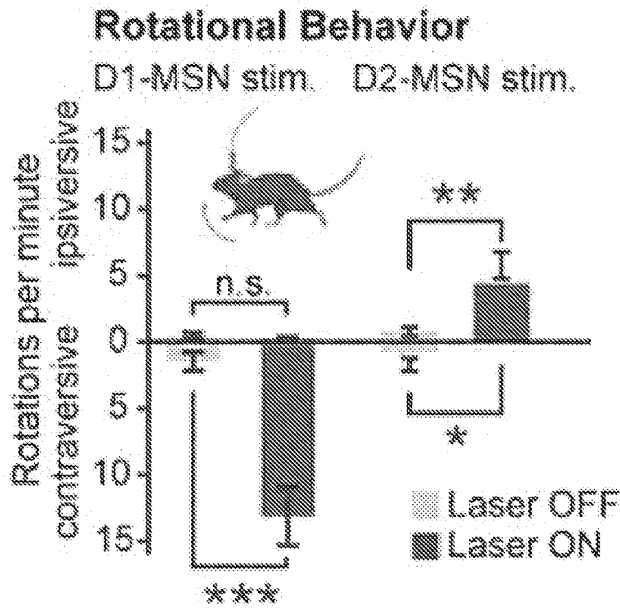


FIG. 7B

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Optogenetic fMRI Setup

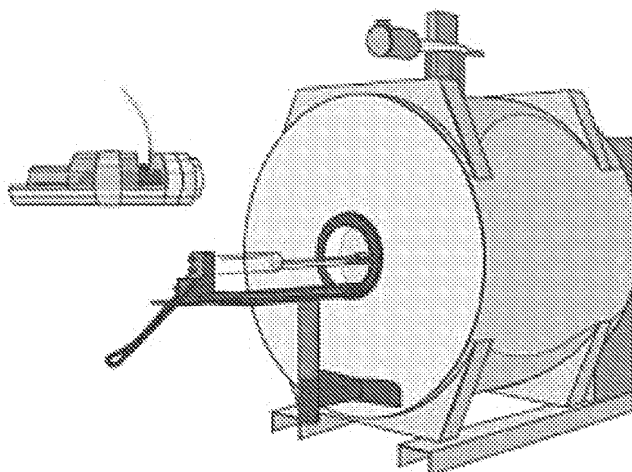


FIG. 7C

Cell-type specific optogenetic fMRI reveals distinct brain-wide activity

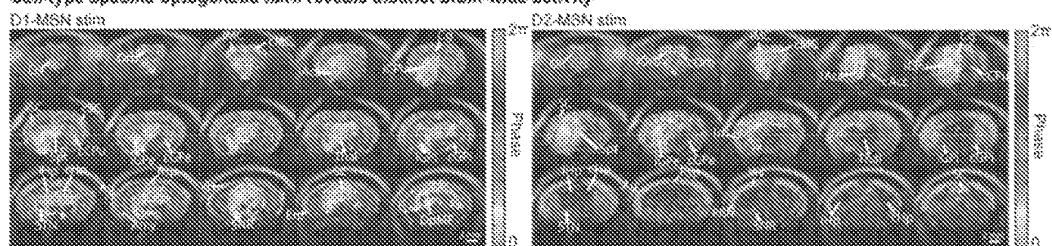


FIG. 7D

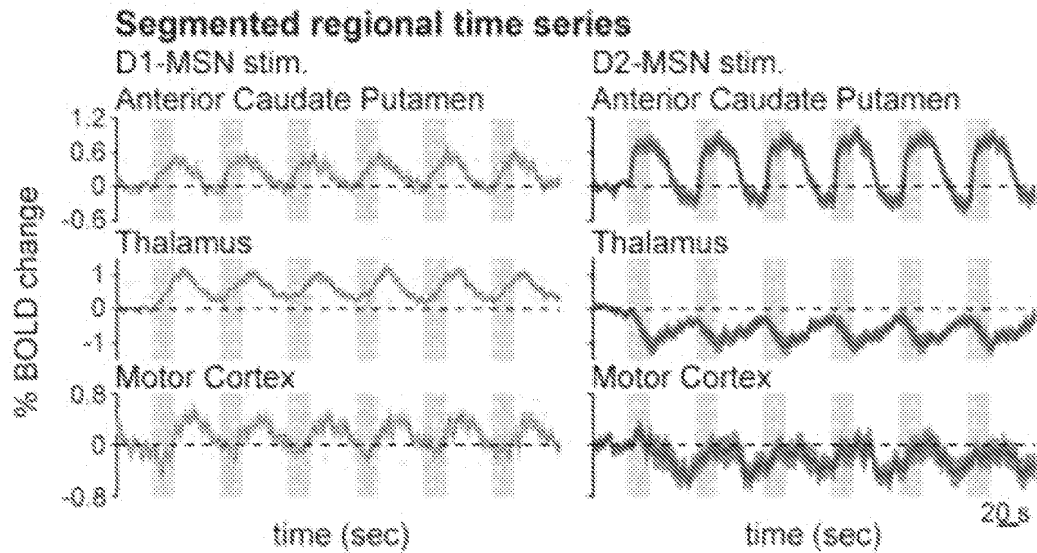


FIG. 7E

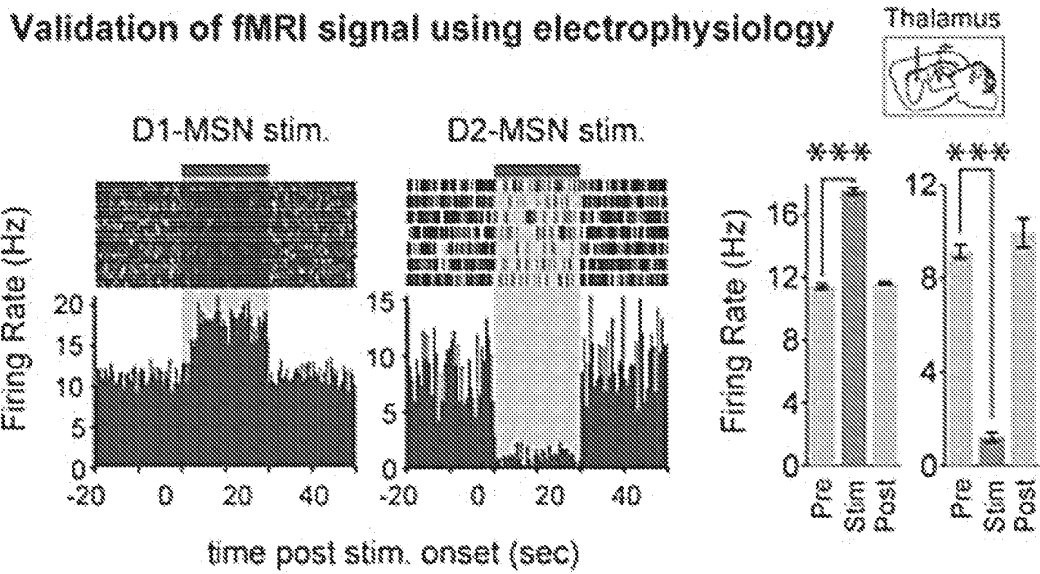


FIG. 7F

Basal Ganglia Network Nodes

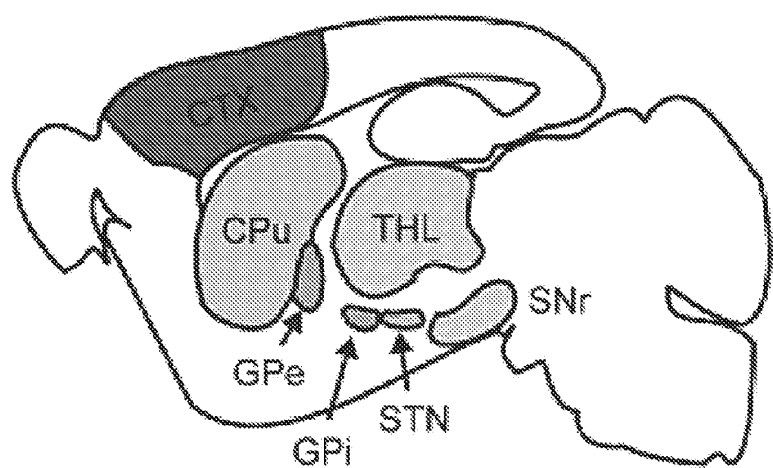


FIG. 8A

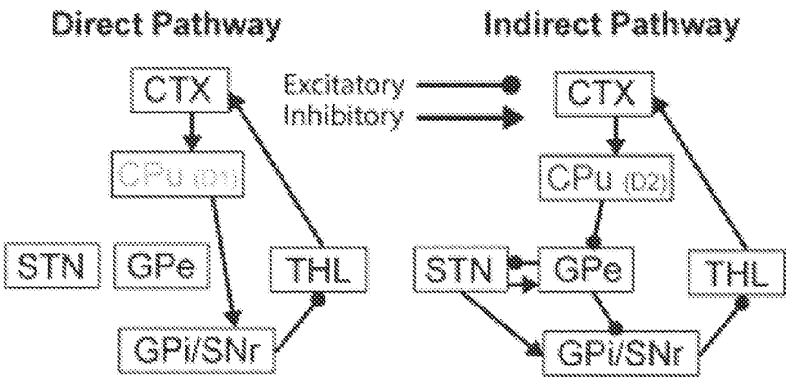


FIG. 8B

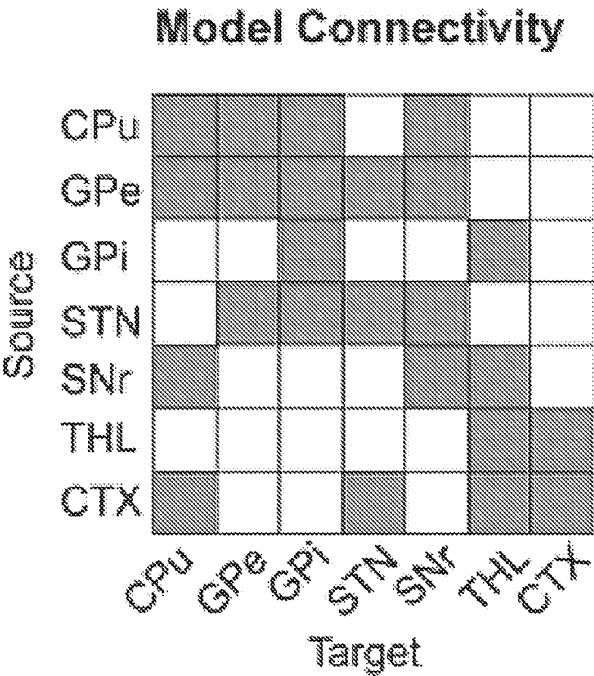


FIG. 8C

Motor Cortex Network (D1)

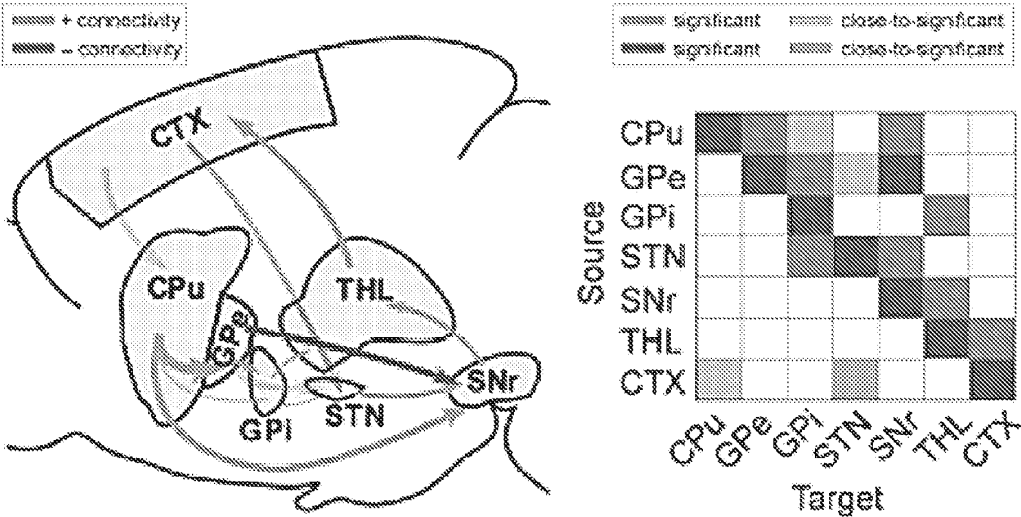


FIG. 8F

Motor Cortex Network (D2)

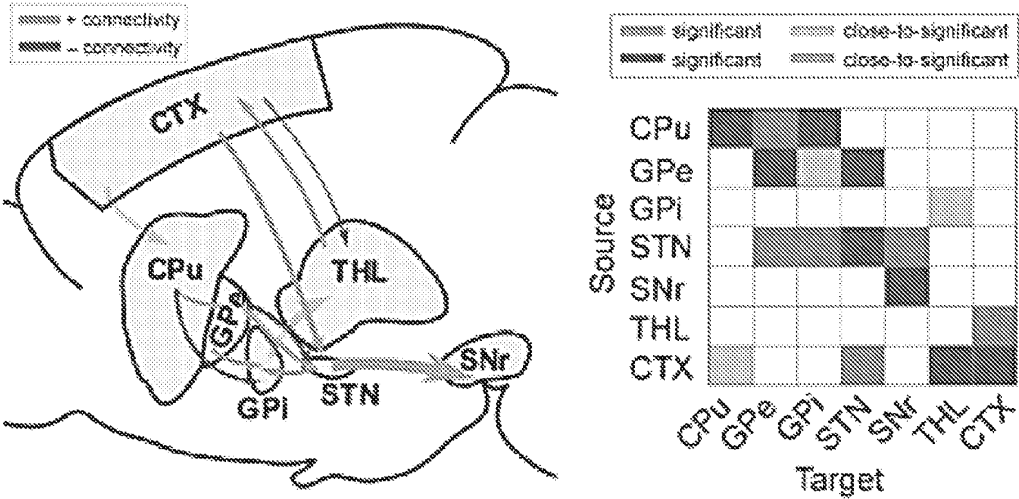


FIG. 8G

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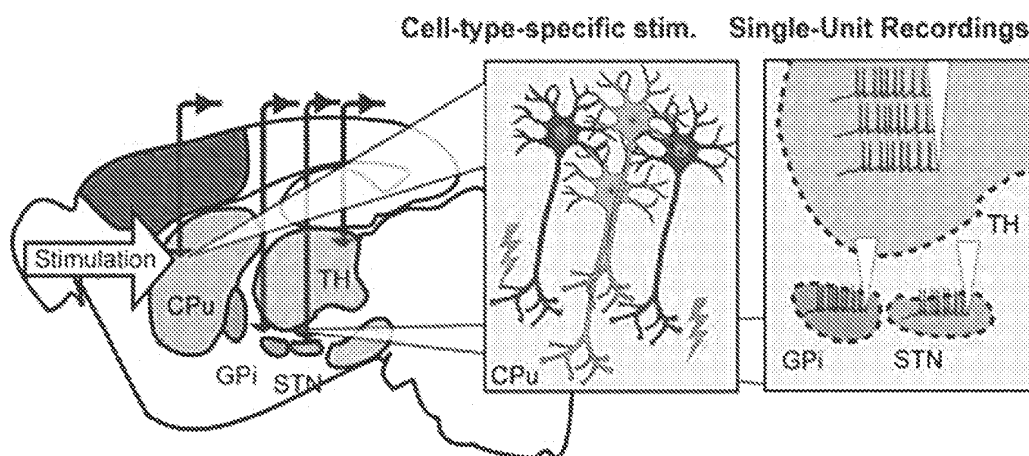


FIG. 9A

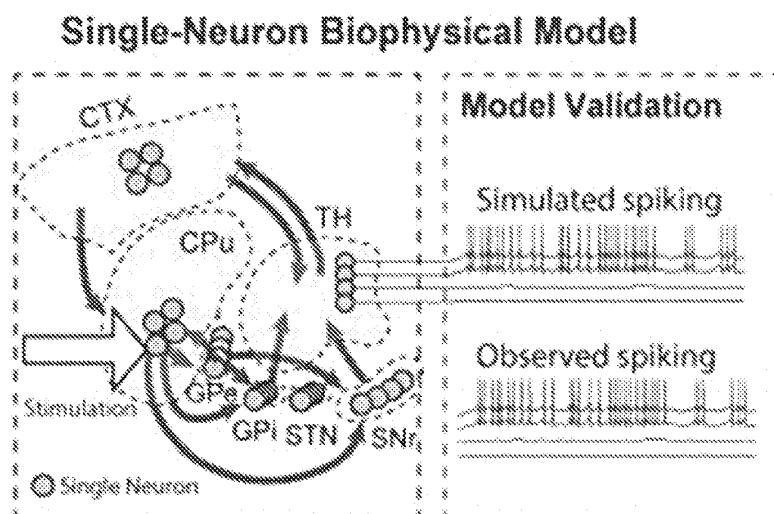


FIG. 9B

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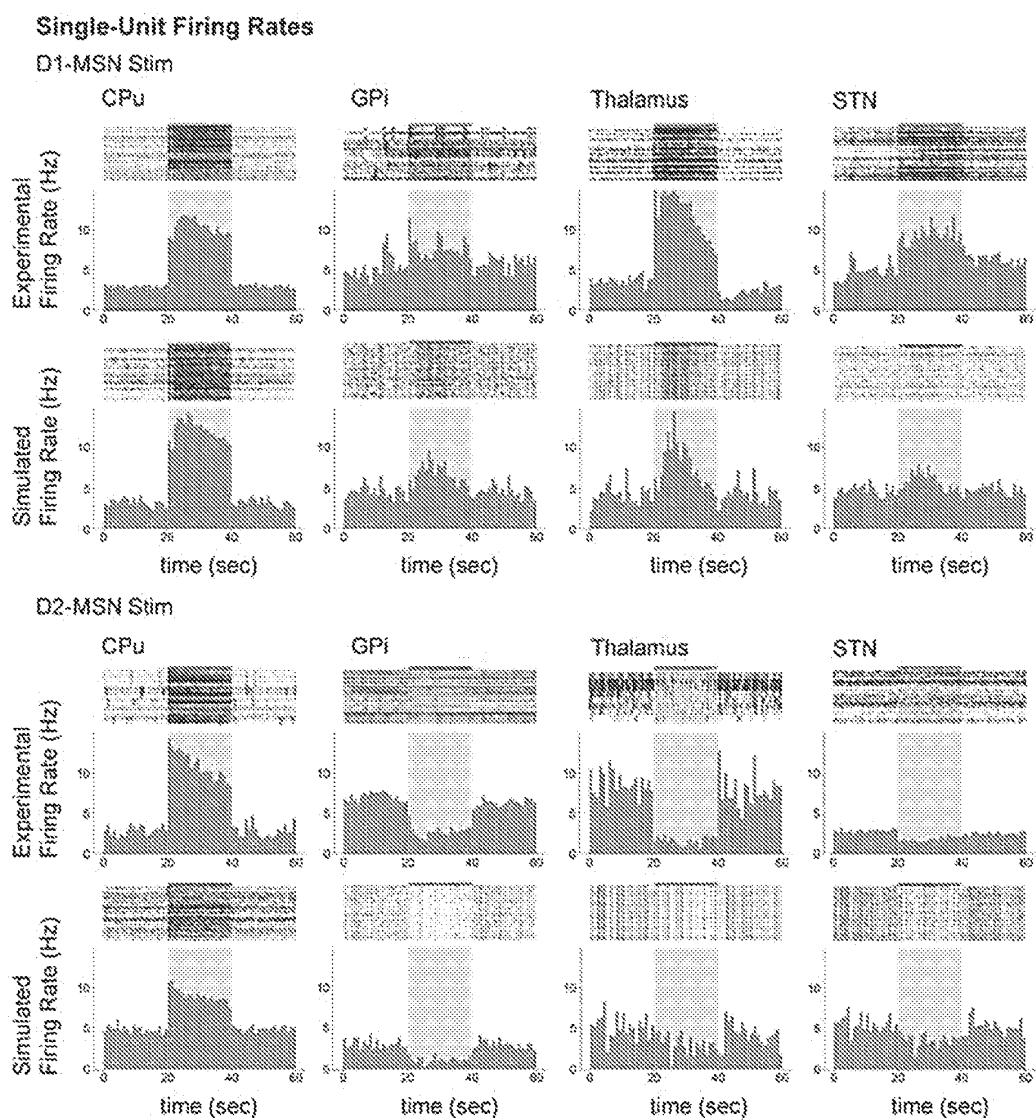


FIG. 9C

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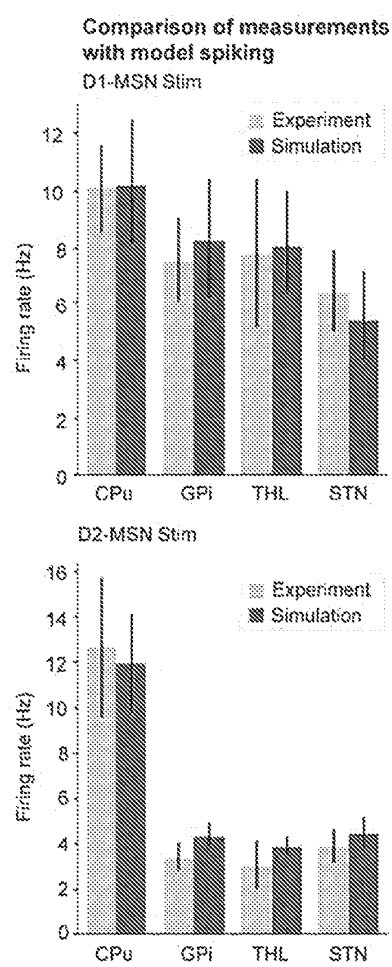


FIG. 9D

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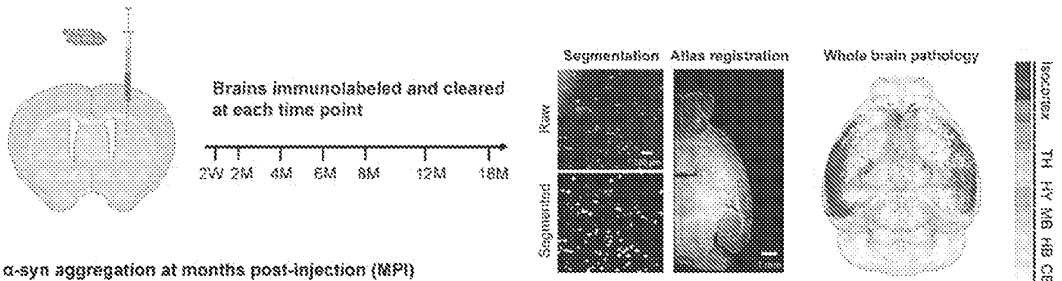


FIG. 10A

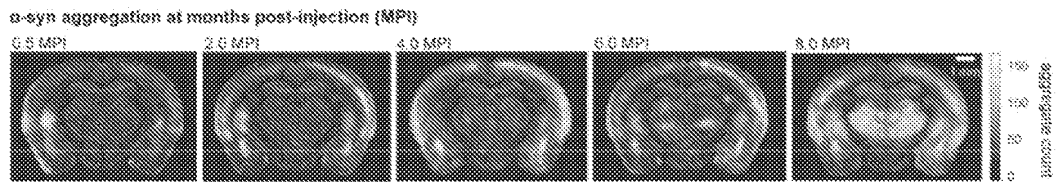


FIG. 10B

Allen reference atlas

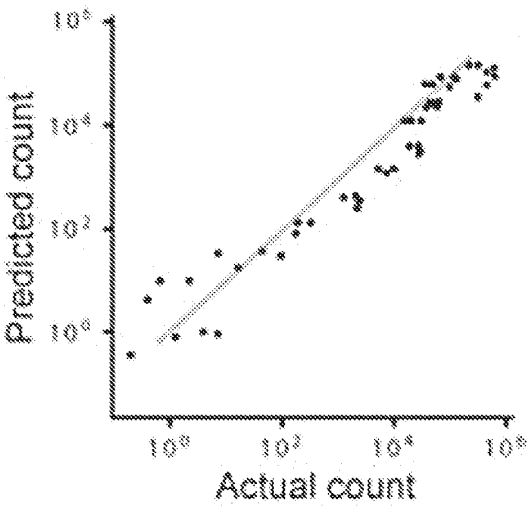
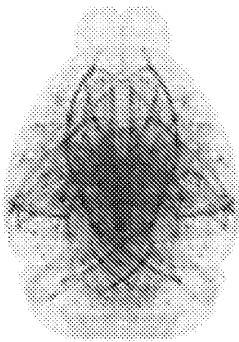


FIG. 10C

Connectome reweighted by gene
transcription levels

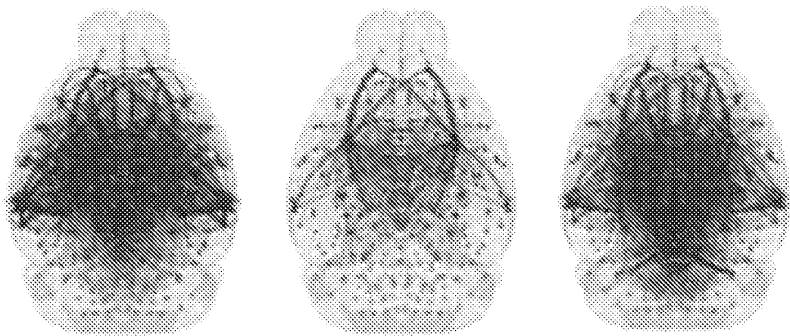


FIG. 10D

Colocalization of
treatment & activity

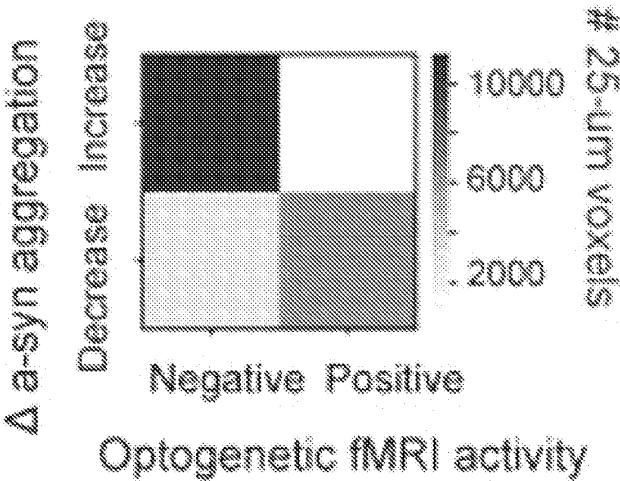


FIG. 10E

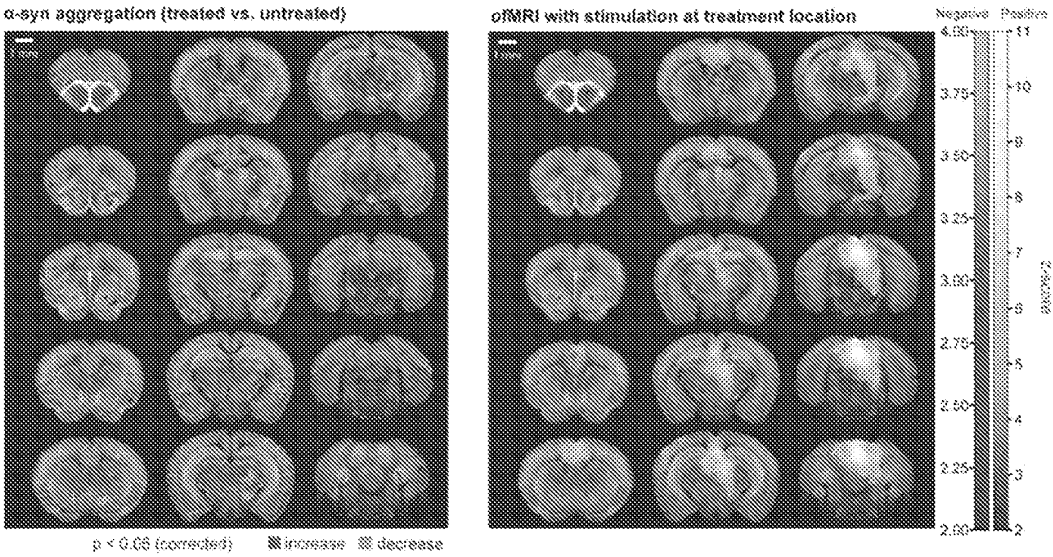


FIG. 10F

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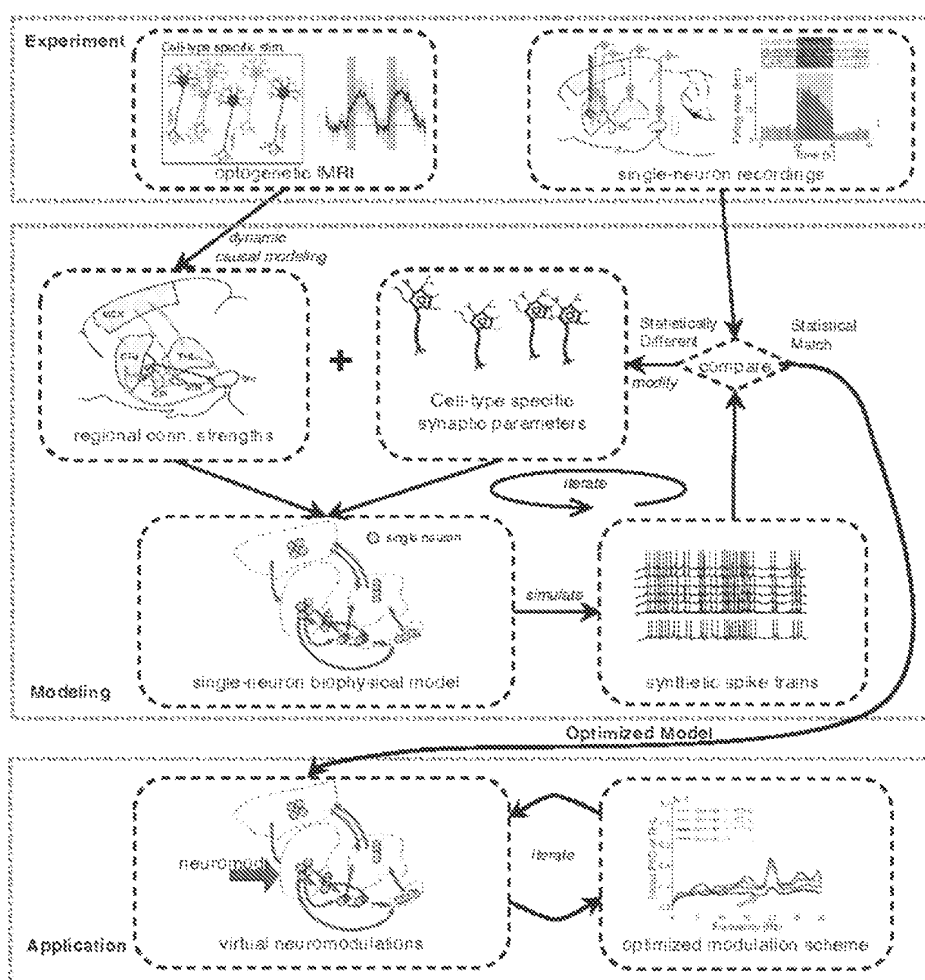


FIG. 11

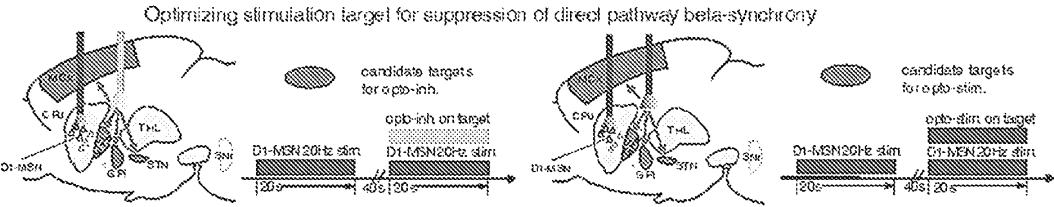


FIG. 12A

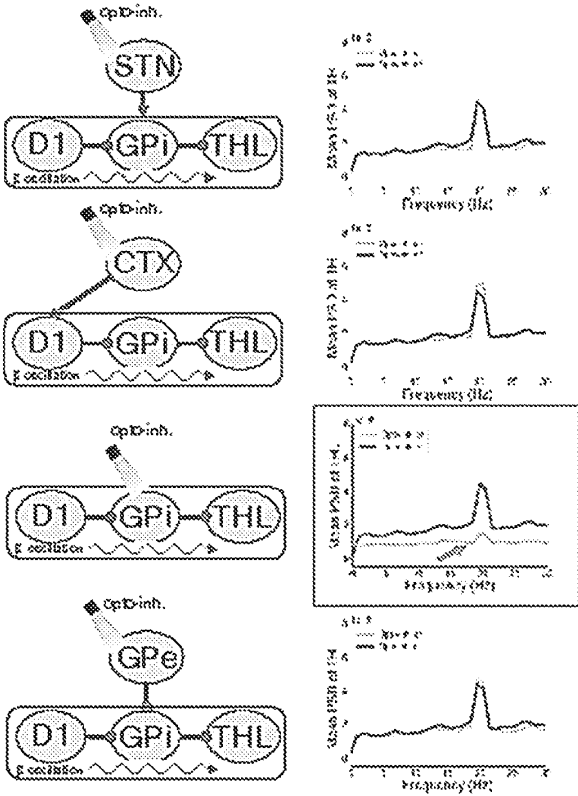


FIG. 12B

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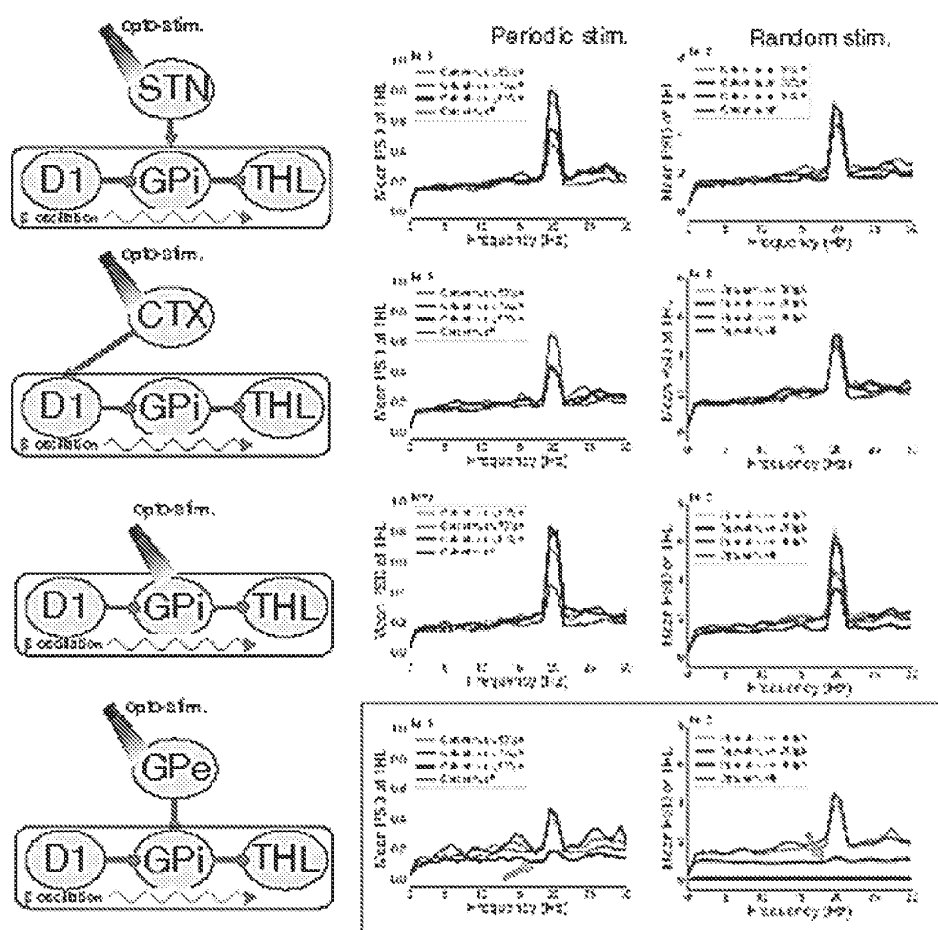


FIG. 12C

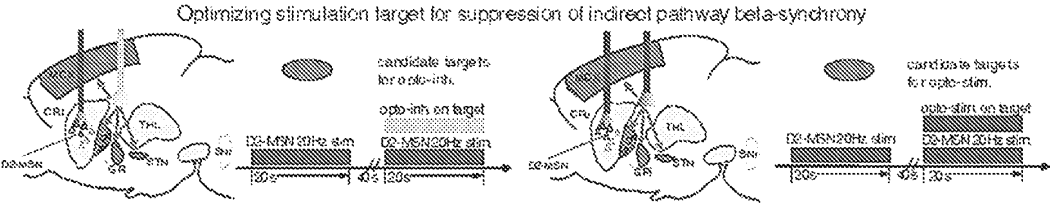


FIG. 12D

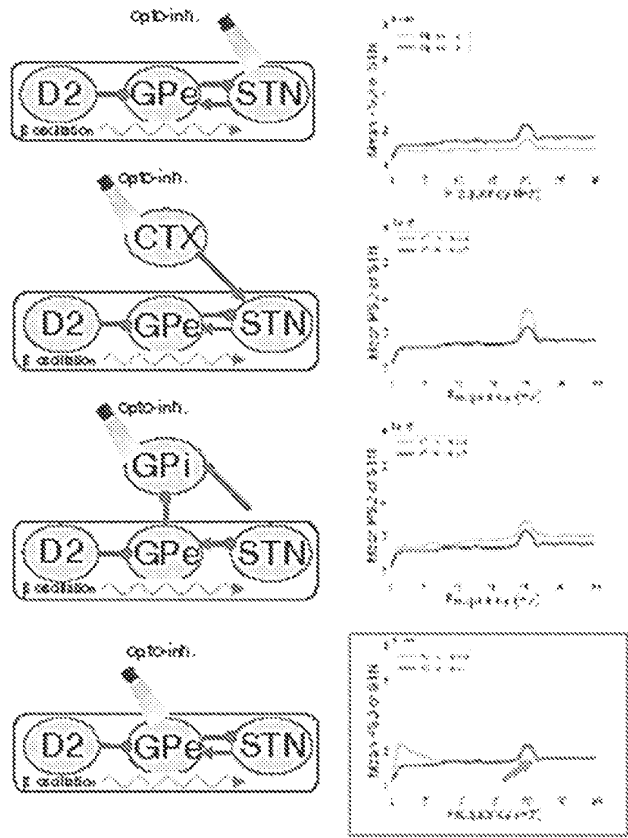


FIG. 12E

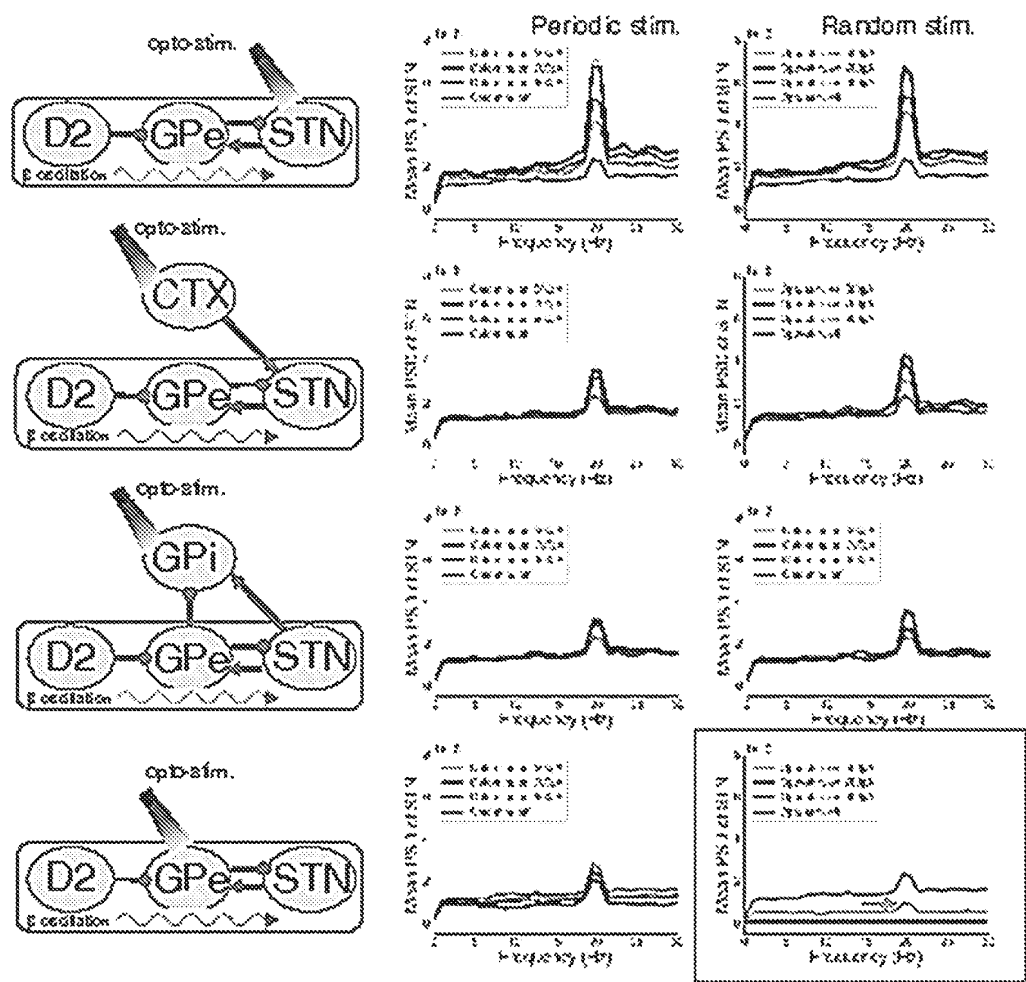


FIG. 12F