

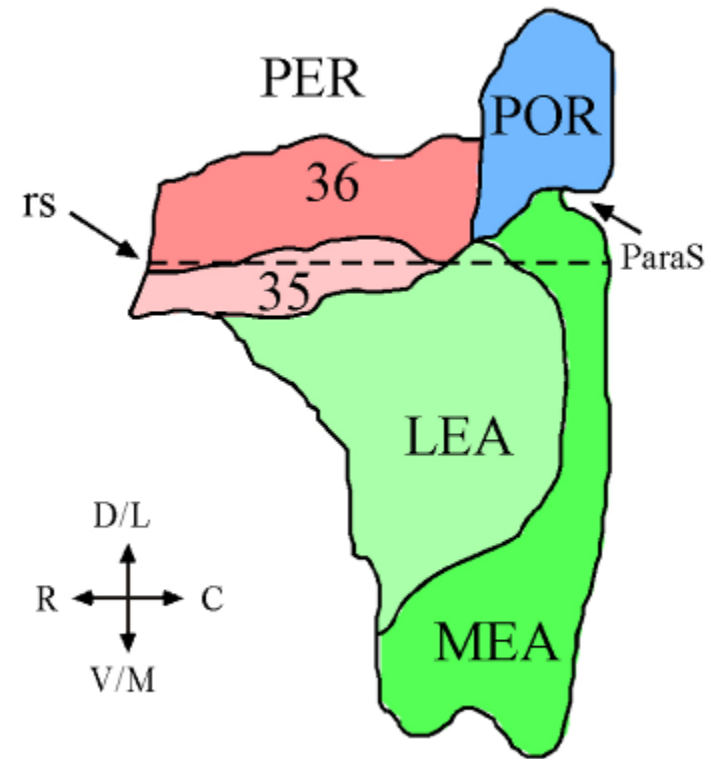
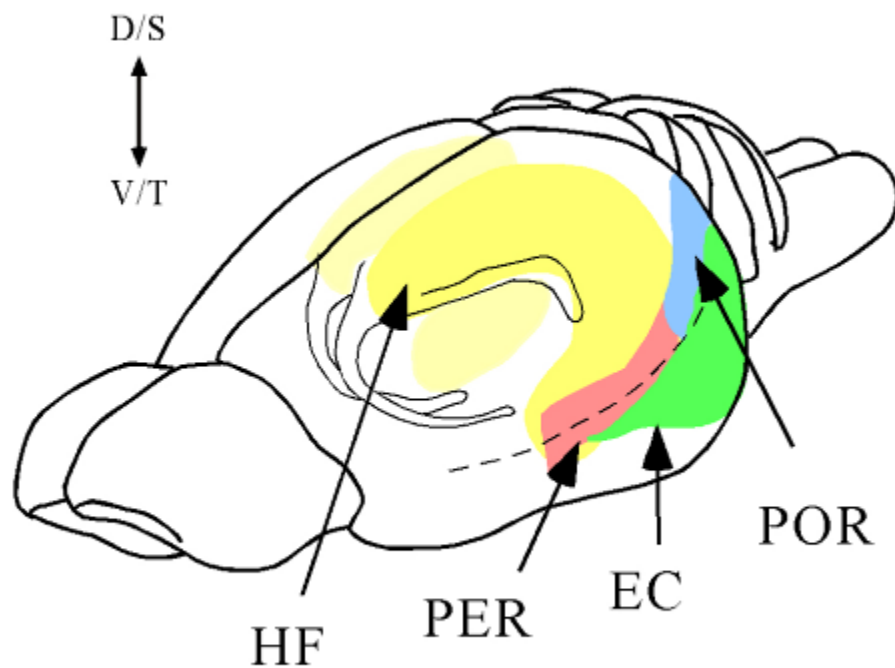
# The Utility of Wireless Technologies in Spatial Navigation Tasks



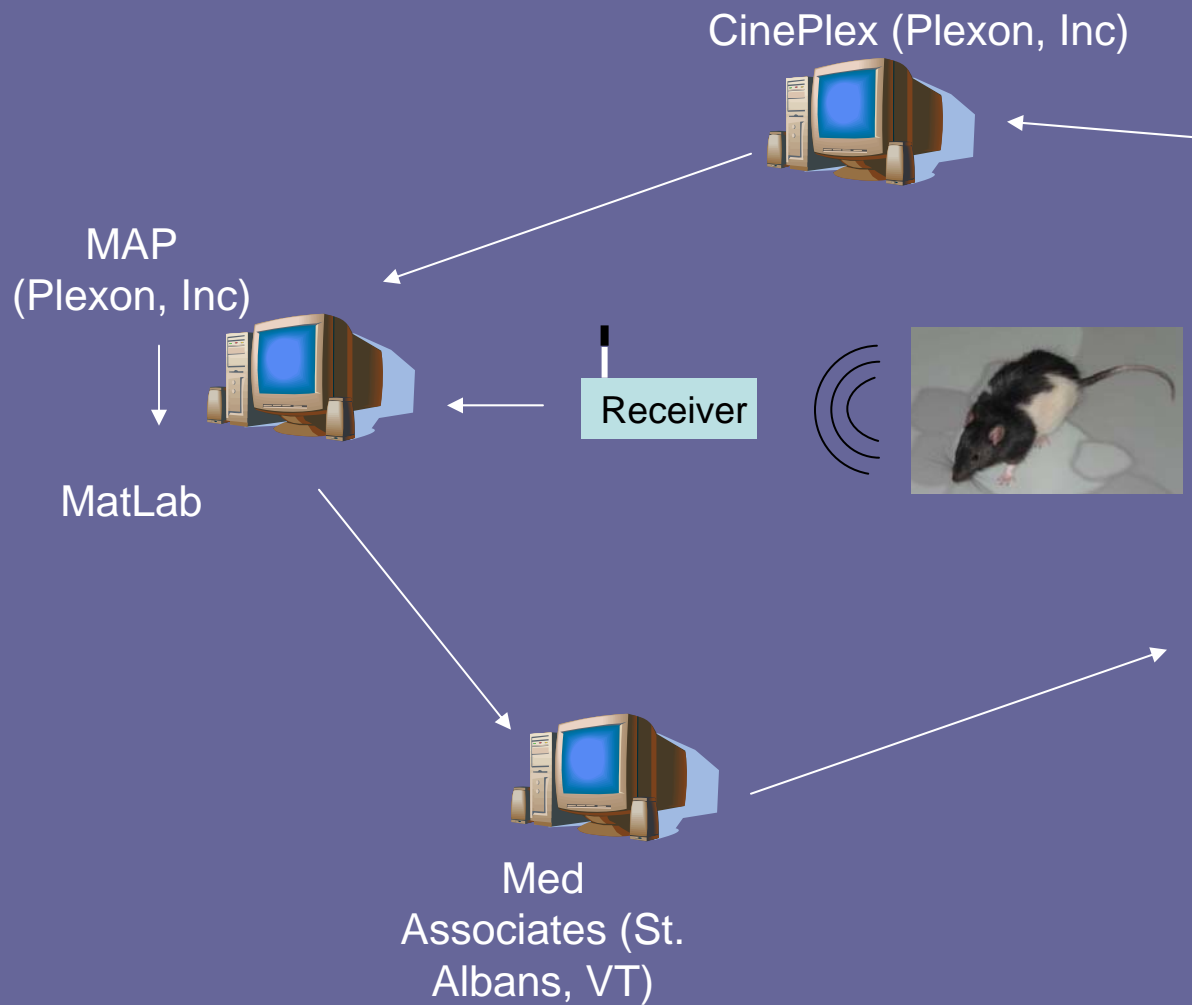
Society for Neuroscience Symposia: Triangle BioSystems Inc.  
Washington D.C. 2008

Kristin Kerr  
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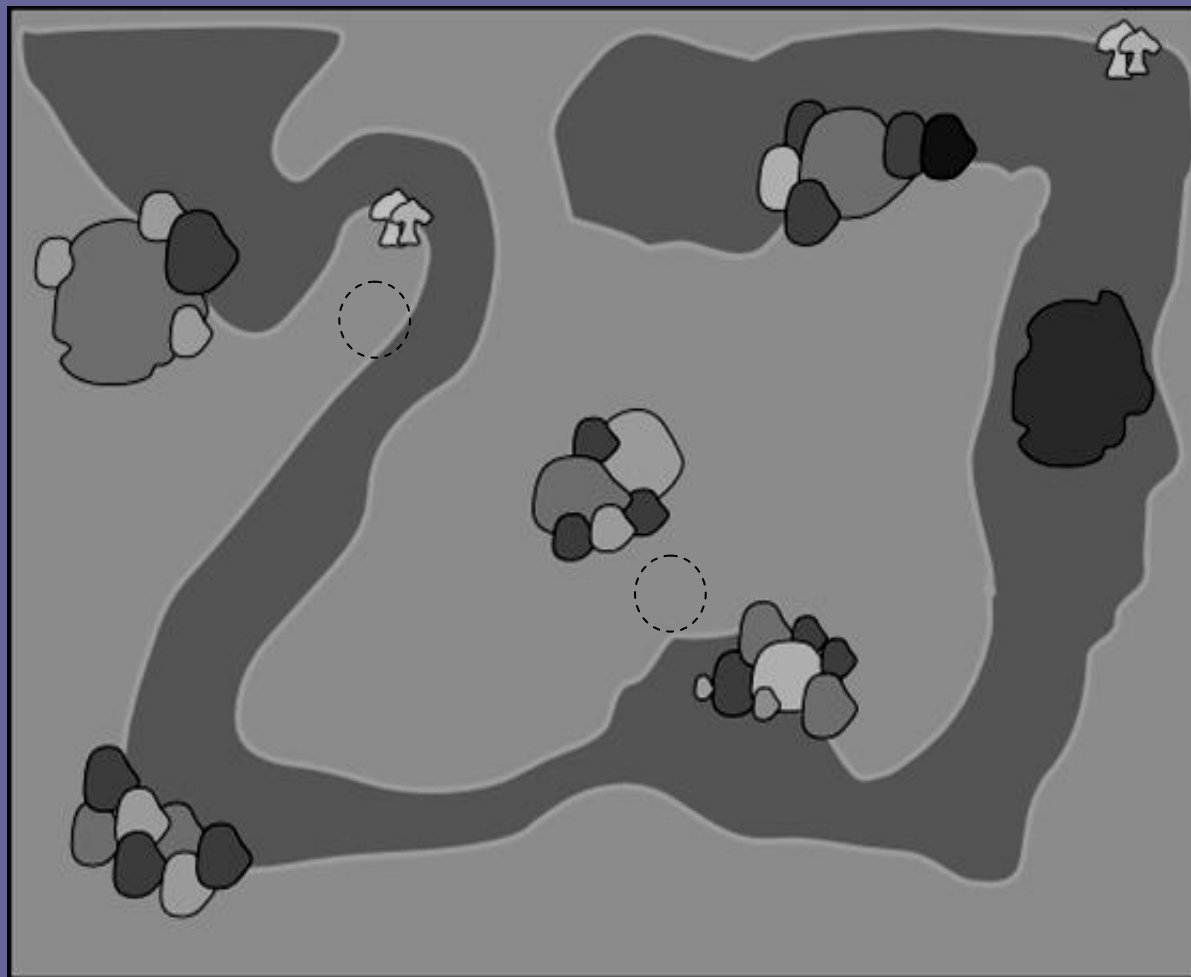
# The Hippocampal Memory System



# Floor Projection Maze



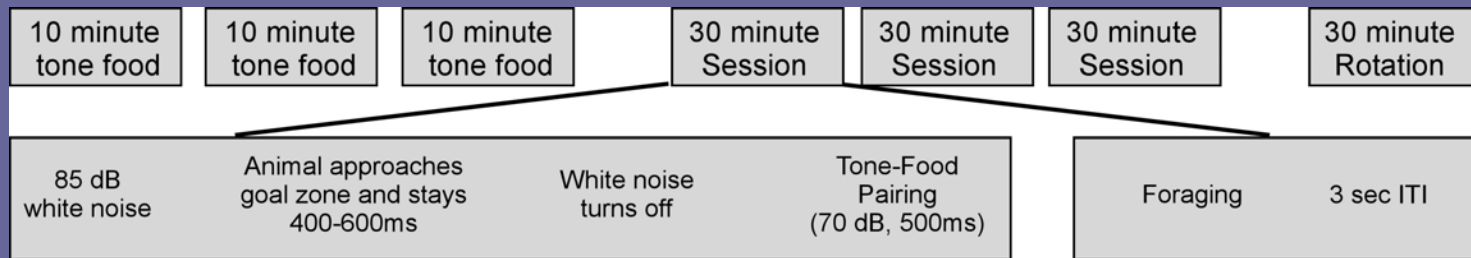
# The Terrain Location Association Task



# Microdriver Assembly



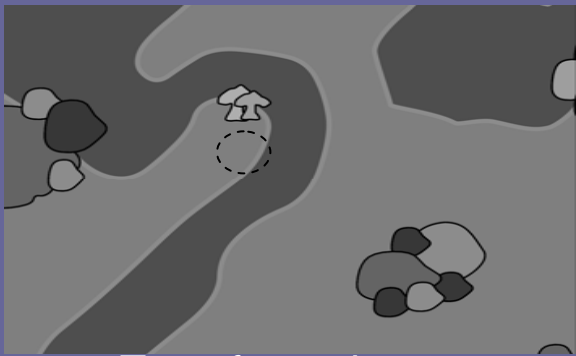
# The Terrain Location Association Task



Transformation 1



Transformation 2

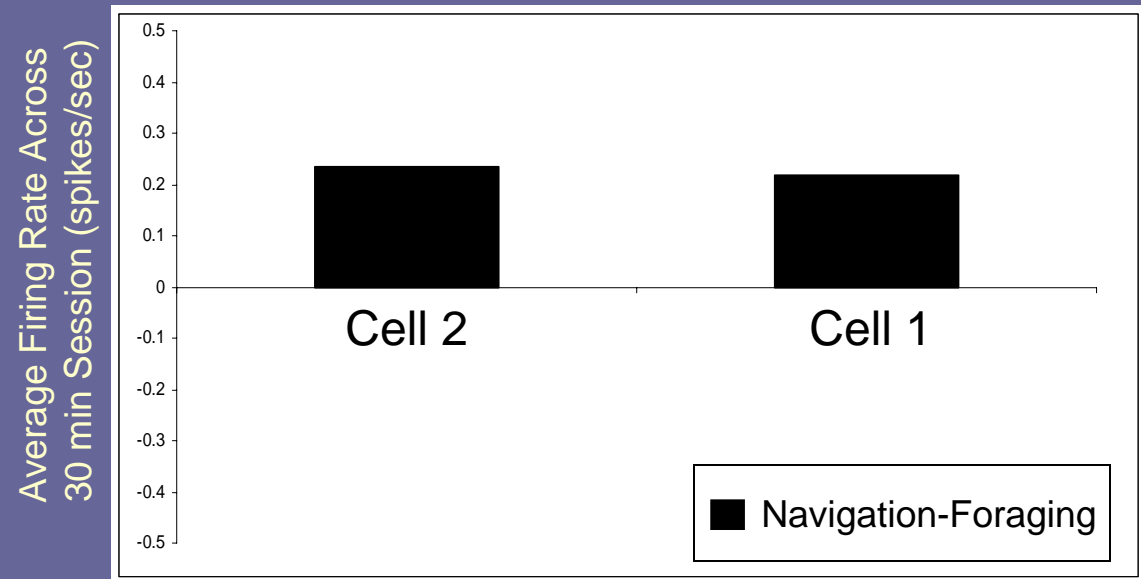
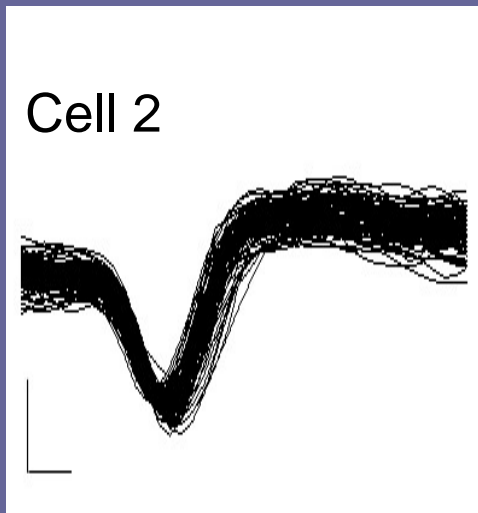
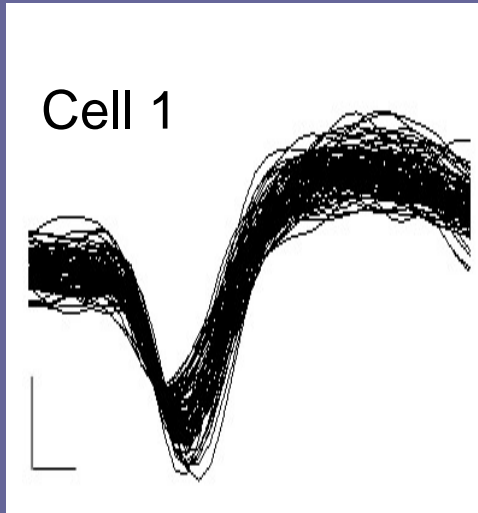


Transformation 3



Transformation: Rotation 45 deg

# Cells In Postrhinal Increase Firing during Navigation Epochs



# Advantages of Wireless

- Affords more accurate tracking
- Experimenter can use much larger and potentially irregularly sized mazes
- Experimenter can utilize dividers to restrict animals exploration with maze
- The headstage is lightweight and small enough to fit into funnel for protection

# Acknowledgements

## The Burwell Lab

In Particular. . .

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