1. Bite Bar
2. Ear Bars
3. Incision (between the eyes to between ears)
4. Peel back skin using four or more hemostats
5. Level head using stereotaxic trident
6. Home robot (to robot 0,0,0)
7. Center robot drill-tip on rat Bregma (0,0,0) and set. This sets the relationship between the robot coordinates and rat coordinate. It is assumed the coordinate systems are aligned (Xrobo parallet to Xrat, and so on)
8. This can be displayed on the screen using screen coordinate system
9. Move robot drill to 4 more points on the skull. This will be used to establish the best fit plane through those points on the skull. The craniotomy circle will be cut on this plane.
10. Find bet-fit plane using a minimum of 5 points including bregma.
11. Follow pop-up instructions to operate robot.

Center offset from Bregma

-1.7,0,0

Radius

5

mm

Y

X

Z

Draw Route

Circle