Figure 1

2D
- Plated follicle
- Granulosa cell growth/migration
- Stress on gap junctions
- Potential for premature oocyte extrusion

3D
- Hydrogel encapsulated follicle
- Granulosa cell growth in all directions
- Less stress on gap junctions
- Oocyte remains enclosed

Day 0  Day 4  Day 12

Mature egg