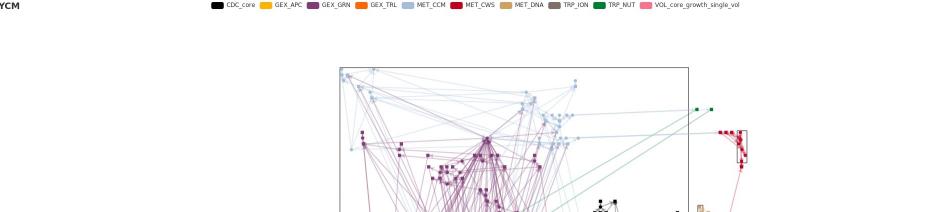
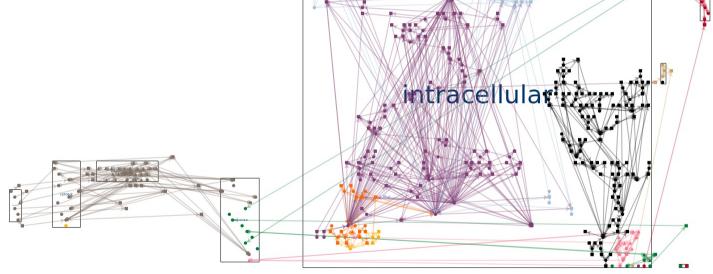
# Visualization of a Whole-Cell Model by Arne Hoffmann





#### **Content**



- 1. Layout
- 2. Edge Reduction
- 3. Colors
- 4. Interaction

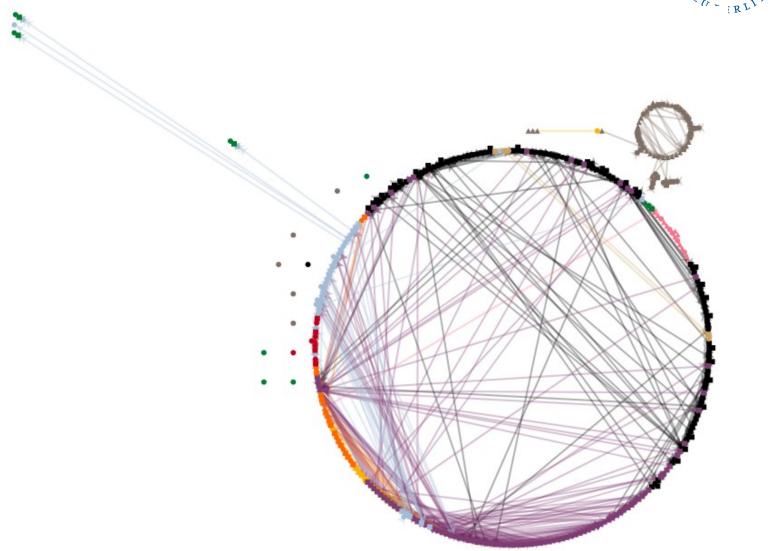
### 1. Layout: Quality



- Avoid visual anomalies for example edge crossing and edges with sharp bends
- Short edges
- Symmetry

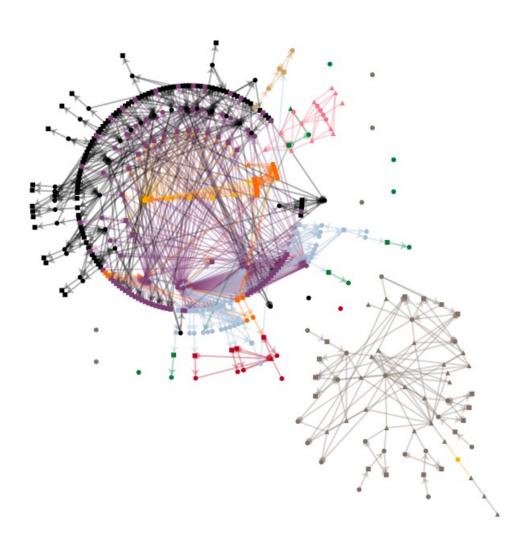
### 1. Layout: Circular





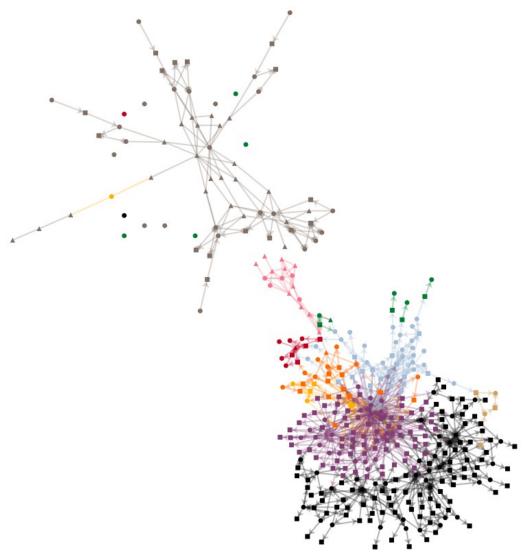
### 1. Layout: Radial





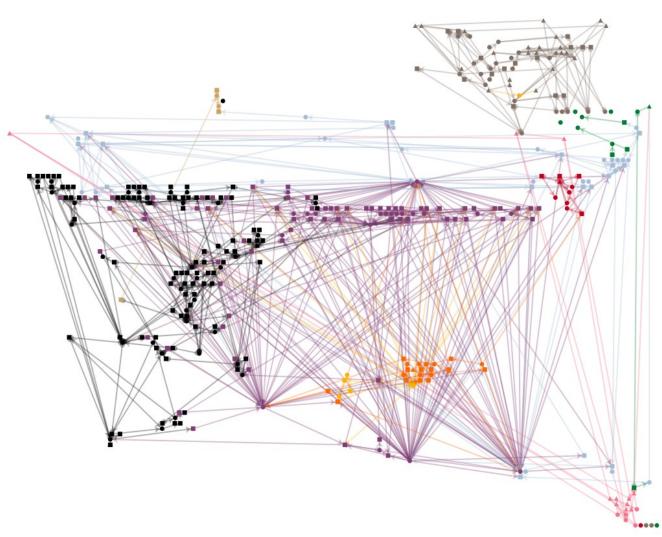
### 1. Layout: Force-Directed





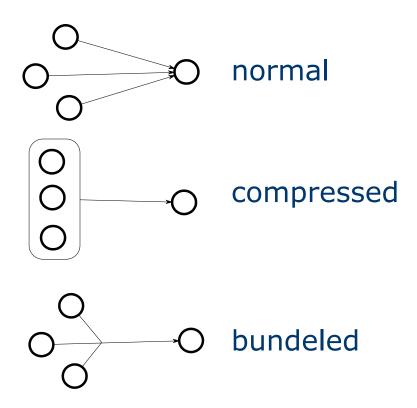
## 1. Layout: GraphViz Dot





#### 2. Edge Reduction





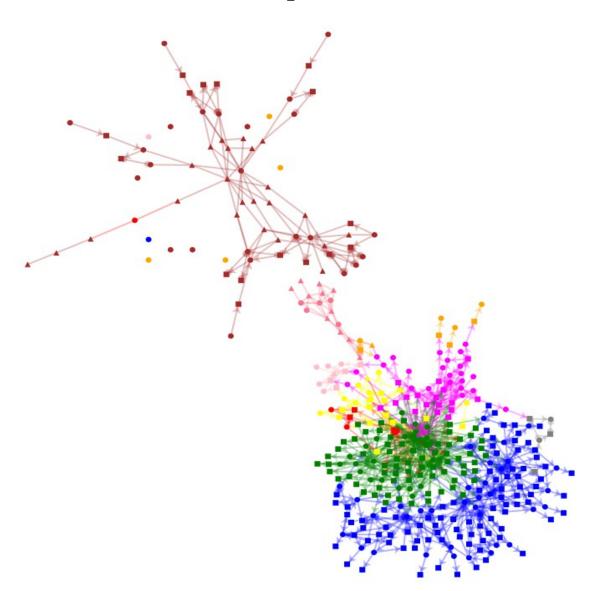
# 3. Color: Kelly





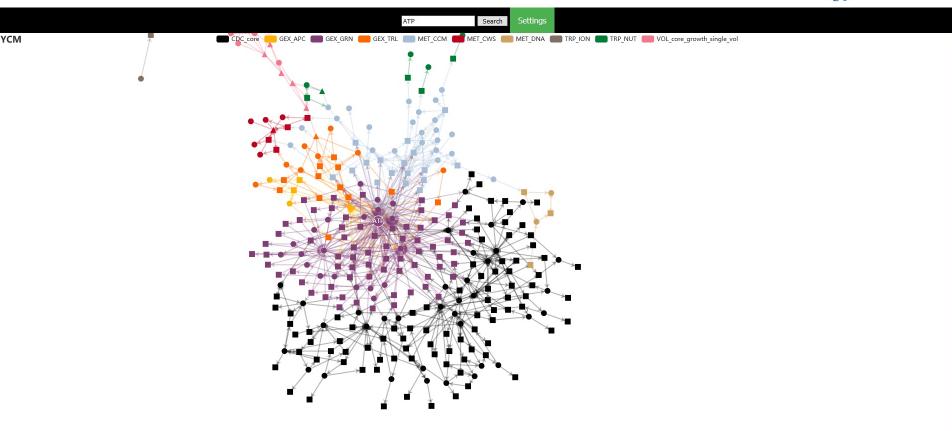
# 3. Color: **Boynton**





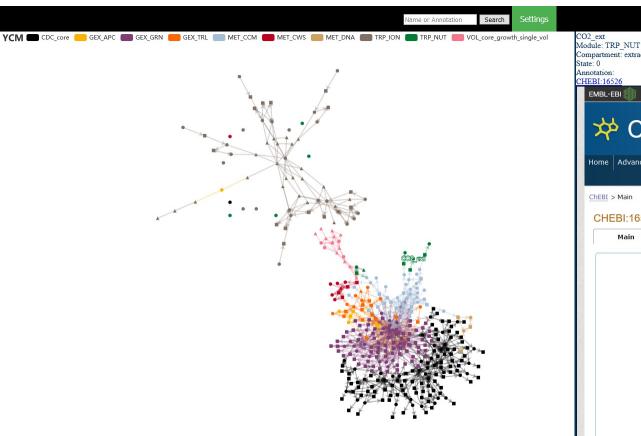
### 4. Interaction: Pan, Zoom and Search





### 4. Interaction: Node Information







### 4. Interaction: Further Features



- Neighborhood-Highlighting
- Removal of high connected nodes
- Layout selection
- Color palette selection



https://github.com/Mockasoehnchen/YCMVis