

The diagram illustrates the spatial distribution of Locus Coeruleus (LC) neurons and regions. The neurons are labeled as follows:

- LCR3**: Locus Coeruleus Region 3 (top center, large blue circle)
- LC18**: Locus Coeruleus Neuron 18 (top left, small red circle)
- LC13**: Locus Coeruleus Neuron 13 (top left, small green circle)
- LC8**: Locus Coeruleus Neuron 8 (top center, small green circle)
- LC3**: Locus Coeruleus Neuron 3 (top right, small green circle)
- LC14**: Locus Coeruleus Neuron 14 (middle left, small red circle)
- LC14**: Locus Coeruleus Neuron 14 (middle left, small green circle)
- LC9**: Locus Coeruleus Neuron 9 (middle center, small green circle)
- LC4**: Locus Coeruleus Neuron 4 (middle right, small green circle)
- LC15**: Locus Coeruleus Neuron 15 (middle left, small red circle)
- LC10**: Locus Coeruleus Neuron 10 (middle center, small green circle)
- LC5**: Locus Coeruleus Neuron 5 (middle right, small green circle)
- LC0**: Locus Coeruleus Neuron 0 (middle right, large green circle)
- LC16**: Locus Coeruleus Neuron 16 (bottom left, small red circle)
- LC11**: Locus Coeruleus Neuron 11 (bottom center, small red circle)
- LC6**: Locus Coeruleus Neuron 6 (bottom center, small green circle)
- LC1**: Locus Coeruleus Neuron 1 (bottom right, large green circle)
- LC17**: Locus Coeruleus Neuron 17 (bottom left, small red circle)
- LC12**: Locus Coeruleus Neuron 12 (bottom center, small red circle)
- LC7**: Locus Coeruleus Neuron 7 (bottom right, small red circle)
- LC2**: Locus Coeruleus Neuron 2 (bottom right, large green circle)
- LCR1**: Locus Coeruleus Region 1 (bottom center, large blue circle)
- LCR0**: Locus Coeruleus Region 0 (middle right, large blue circle)
- LCR2**: Locus Coeruleus Region 2 (middle left, large blue circle)

The diagram also shows a grid of dots representing the spatial distribution of the neurons and regions. The dots are colored blue, green, red, and orange, corresponding to the colors of the neurons and regions. The dots are arranged in a grid pattern, with the neurons and regions represented by larger circles. The background is a light blue color with a grid of dots.