

Sex-specific
decision

Neural
mechanisms
(invertebrate)

Neural
mechanisms
(vertebrate)

Sex-biased
behaviors

Courtship-
aggression
decision

Octopamine^[116],
dopamine^[118,119],
lipid hormones^[117]

VNO^[120],
serotonin^[121]

Shared
behaviors

Food
preference
behavior

Serotonin^[80],
sensory neuron
physiology^[71,73]

Sensory neuron
physiology^[79]

Interactions

Feeding-
mating
competition

Serotonin^[51],
insulin^[51],
lipid hormones^[53]

Ghrelin^[55]