RR2: *The Science of Laughter and Play (6 points)*

Quarterly review article

1. **What is a possible evolutionary function of laughter?**
   Grading (max 2 points):
   All points given for evidence of reading the article and summarizing one or more key points in own words. E.g., could describe functions of social contagion/bonding and/or expression of non-threat (safety/play).

2. **Describe Duchenne and non-Duchenne laughter. Which is more likely to be expressed by individuals with Autism and why?**
   Grading (max 2 points):
   1 pt: Definition of D v ND
   - Duchenne: spontaneous, stimulus-driven (stimulated by something being found to be funny)
   - Non-Duchenne: social function (politeness/ease social situation or derisive)
   1 pt: Duchenne most likely to be displayed by ASD individuals with reflection on why

3. **Why do so many animals play (i.e., why is play so useful that it evolved as a ubiquitous behavior in so many species?)**
   Grading (max 2 points):
   All points given for evidence of reading the article and summarizing why play is so important across species. E.g.:
   - Trying out/ training for possible new or dangerous situations (e.g., play fight)
   - Establishing social bonds (we can play together, I trust you, I like you)
   - Releases opioids (alleviates stress/pain)