

DEV Day Four Interpretation Questions

1. Interpret your data from observing the zebrafish embryos. This should include the answers to the questions:
 - a) What stage embryos did you observe?
 - b) What did you observe in these embryos that was expected and unexpected?
 - c) Did you observe differences between untreated and LiCl treated embryos? If so, what differences?

2. Let's pretend that... Due to some confusion, during Day 3.5, three sets of students' blots underwent different forms of the protocol. One set of blots was crosslinked at a setting of 60,000 microjoules/cm², one set of blots was crosslinked at 120,000 microjoules/cm², and the last set of blots was crosslinked at 240,000 microjoules/cm². What would we expect to see when these blots are developed, and why?

3. Let's pretend that... During the preparation of the hybridization solution for today, formamide was not added. Most lab groups just added formamide to their hybridization solution to solve the problem. However, one group decided to continue the experiment without modification. Meanwhile, a second group decided that they would just increase the temperature of their water bath (instead of adding back formamide). What results might each group see when they develop their Northern Blot? Why?