1. What is chemical biology?
2. What is a chaperone protein?

3. What is the difference between the chaperome and epichaperome?
4. What is the difference between acute and chronic stress?

5. How do you think Gabriela’s future research might help Alzheimer’s sufferers?
6. How do you think Gabriela’s research into diagnostic tools helps her develop treatments?
7. Why does Gabriela recommend grouping cancer patients differently compared to conventional cancer trials? Can you foresee any potential difficulties in doing this?
8. Can you think of any other disciplines Gabriela may collaborate with, besides the ones she mentions?
9. Gabriela mentions that there is a long time between the development of a treatment or diagnostic tool and it being used in clinics. Why do you think this process takes so long? Do you think that the process should be accelerated?

To find out more about the Gabriela Chiosis lab, there are two webpages you can visit:

www.mskcc.org/research/ski/labs/gabriela-chiosis
www.chiosislab.com/

This article takes an in-depth look at Gabriela’s work on Alzheimer’s:

journals.lww.com/neurotodayonline/fulltext/2020/03050/the_epichaperome_appears_early_in_alzheimer_s.6.aspx

This video from eHowEducation explains the differences between chemical biology and biochemistry:

www.youtube.com/watch?v=iiqD6ki9yhc