

Science Time

Program Content for February 10, 2016

Read the article “**UW joins in drive to thwart spread of Zika**” on page A1 of the Sunday, February 7, 2016 e-Edition of The Seattle Times.

Pre-reading and Vocabulary: Define each term and then use it in a sentence to demonstrate your understanding.

1. immune
2. RNA
3. replicate
4. antibody
5. vaccine

Comprehension Questions

1. What is Dr. Michael Gale Jr. of the University of Washington (UW) working on with the biotech firm Kineta?
2. What diseases could the drug Dr. Gale is working on help to treat?
3. Why is the work Dr. Gale trying to complete so important?
4. What is KIN1400?
5. What results have tests of KIN1400 demonstrated in recent months?
6. Why is the switching-on of the body's antibody program an effective way to fight RNA viruses?
7. Why did UW researchers decide to speed up tests on the Zika virus?
8. What is microcephaly?
9. What are the next steps that must be taken before testing on the Zika virus by UW researchers can begin?
10. How long might it take for the next steps in question #9 to be completed?

Prompts and Extensions

1. The research to combat RNA viruses like Zika by UW researchers is based on activating your body's immune system. Learn how your immune system responds to foreign invaders [here](#).
2. Watch this [video clip](#) from KOMO ABC News about the anti-viral research being designed by UW and Kineta.
3. Missed last week's Science Time? Be sure to check the archives as it was based on the Zika virus outbreak. Here are a selection of last week's prompts and extensions for your convenience.
 - Check out this online Seattle Times Close Up: [What you need to know about Zika virus](#) from January 28, 2016
 - Watch these news clips about the spread of the Zika virus (CBS - [clip 1](#), CNN - [clip 2](#))

Science Time is posted to the Web on Wednesdays. Please share this NIE Science Time program with other teachers. To sign-up for the electronic edition for your class, please register

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