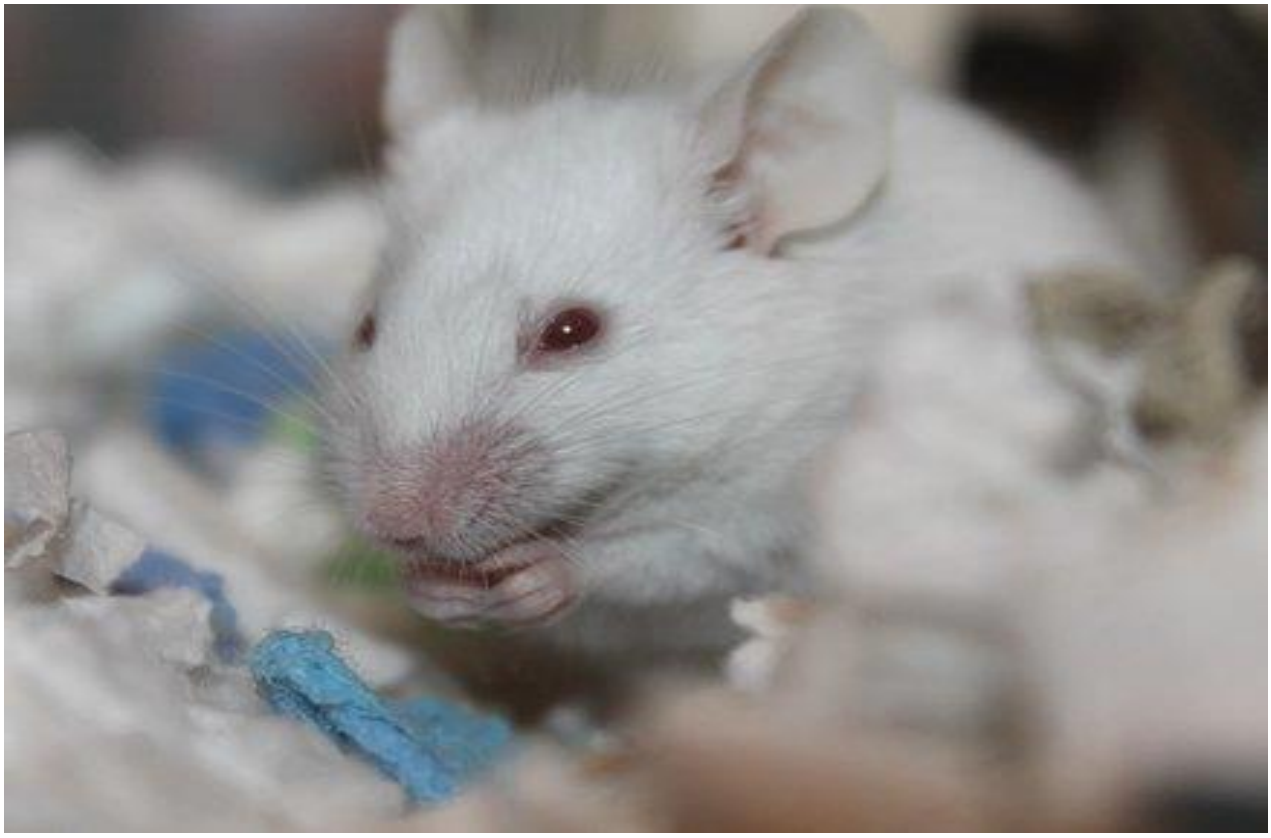
Blowing hot and cold: how does temperature affect tumours in mice?

BY CHIDI WILLIAMS NOVEMBER 2014



Should lab mice be kept in warmer temperatures to reduce the growth of tumours? Image from pixabay

Answer the following questions in full sentences:

1. What is this news story about?

Researchers have found that mice are less likely to develop cancer if they are kept in warmer conditions.

2. What was the independent variable in this investigation?

The temperature at which mice were kept.

3. What evidence did the researchers find that suggested warmer conditions are better for cancer treatment?

Mice that were kept in the hotter environment (30.5 °C) developed fewer tumours. Their cancer also grew more slowly and they were less likely to have new (secondary) tumours throughout the body.

4. What effect could these findings have on other cancer treatment research projects?

Existing findings could be inaccurate because they could have been affected by the temperature, such as more cancer growth at lower temperatures. It could persuade scientists to test their treatments at higher temperatures to make them even more effective.

5. Write down the meanings of any words **in bold** in the article.

Clinical – relating to examination, testing or treatment for medicine

Ideal – something that is perfect

Prevention – stopping something from happening

Refute – prove something wrong