

**Podcast 5 - DNA: Fighting Malaria**

**Find out more**

Why not try clicking on some of the links below to find out more about the subjects we discussed in Podcast 5 – *DNA: Fighting Malaria.*

**A. Mosquitoes**

Find out more about mosquitoes, the insects who carry malaria.

1. Click on this link to find out some amazing facts about mosquitoes.

[Mosquito Facts for Kids, Mosquito Information, Habitat & Myths - Parentcircle](https://www.parentcircle.com/article/mosquito-facts-for-kids/)

2. Find out where mosquitoes live around the world and about their life cycle.

 [Mosquito (nationalgeographic.com)](https://kids.nationalgeographic.com/animals/invertebrates/facts/mosquito)

**B. What is malaria?**

1. Click on this link to find out ‘*what is malaria?*’.

[What is malaria? | Facts | yourgenome.org](https://www.yourgenome.org/facts/what-is-malaria)

2. Find out what a parasite is by clicking on the link below.

<https://youtu.be/Y5oRuufrFb0>

3. This map shows the countries which are affected by malaria (luckily the UK is not one of these countries!).

[CDC - Malaria - About Malaria - Where Malaria Occurs](https://www.cdc.gov/malaria/about/distribution.html)

4. Watch this video to find out more about the symptoms, treatment and prevention of malaria.

 <https://www.youtube.com/watch?v=gwYIyjwYluc>

5. Watch this fantastic video showing the life cycle of the malaria parasite.

 <https://www.youtube.com/watch?v=0uyE046It3o>

**C. How can we prevent malaria?**

1. Find out the advantages and disadvantages if we used genetics to wipe out all the mosquitoes to stop them spreading malaria.

[What If We Killed All Mosquitoes? - YouTube](https://www.youtube.com/watch?v=9w-5wJYVmcw)

2. Click on the link or watch the video to find out about the different ways we can prevent the spread of malaria.

[Malaria - Improving global health care - 3rd level Geography Revision - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zhn3f82/revision/3)

[How to Prevent Malaria – YouTube](https://www.youtube.com/watch?v=k138Nc4_o-g)

3. Find out more about the exciting discovery of a malaria vaccine.

[Malaria vaccine hailed as potential breakthrough - BBC News](https://www.bbc.co.uk/news/health-56858158)

[A weapon against malaria | Stories | yourgenome.org](https://www.yourgenome.org/stories/a-weapon-against-malaria)

4. How is malaria treated if you get it?

[How is malaria treated and prevented? | Facts | yourgenome.org](https://www.yourgenome.org/facts/how-is-malaria-treated-and-prevented)

5. Find out more about the problem of malaria parasites becoming resistant to the medicines and insecticides used to treat or kill them.

[The ongoing battle against drug resistant malaria | Stories | yourgenome.org](https://www.yourgenome.org/stories/the-ongoing-battle-against-drug-resistant-malaria)

**D. Find out more about the work carried out by Marcus, Mara and their teams at the Sanger Institute?**

1. Watch this video to find out what working on malaria in the laboratories at the Sanger Institute looks like.

 [The ongoing battle against drug resistant malaria | Stories | yourgenome.org](https://www.yourgenome.org/stories/the-ongoing-battle-against-drug-resistant-malaria)

2. Click on the links below to find out more about the work Mara and Marcus carry out at the Sanger Institute.

[Lee Group – Wellcome Sanger Institute](https://www.sanger.ac.uk/group/lee-group/)

[Lawniczak, Mara – Wellcome Sanger Institute](https://www.sanger.ac.uk/person/lawniczak-mara-k-n/)

To find out more about *The DNA Detectives: The Stone Age Mystery* book and to order copies

click here

<https://insightandperspective.co.uk/primary-science-the-dna-detectives>