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'SLEEPING SICKNESS: THE FIGHT AGAINST A NIGHTMARISH DISEASE' IS © WELLCOME TRUST CENTRE FOR MOLECULAR PARASITOLOGY, JAMIE HALL AND EDWARD ROSS, 2016.

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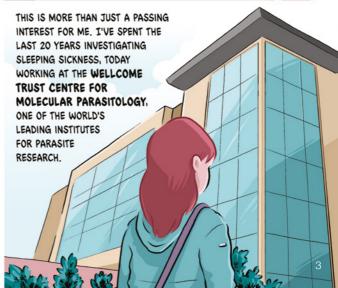


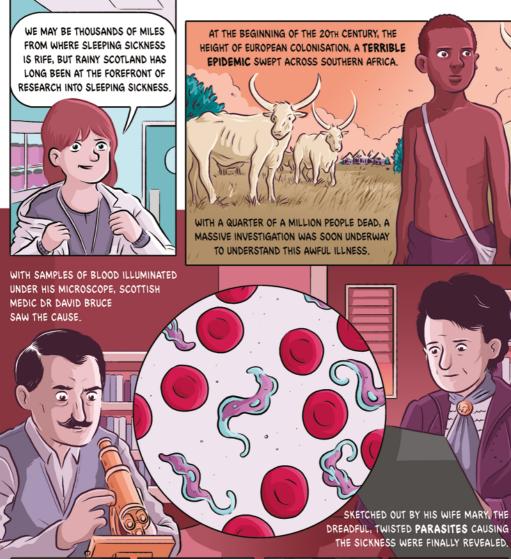












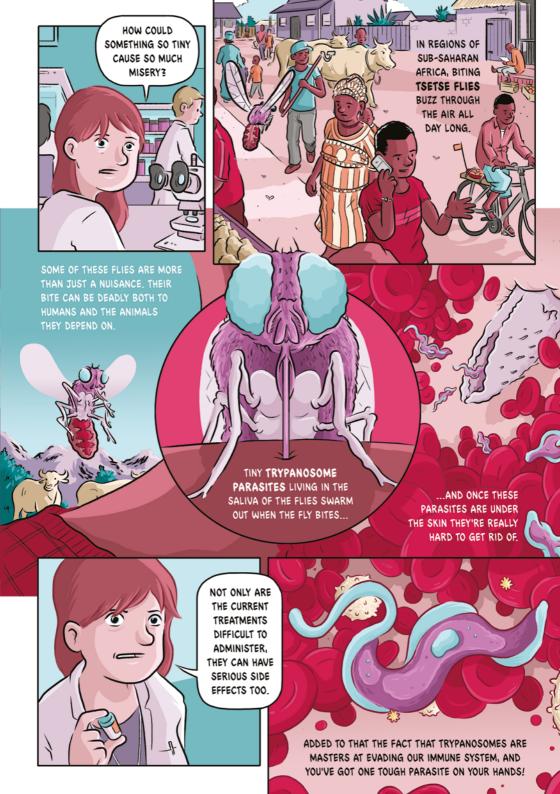








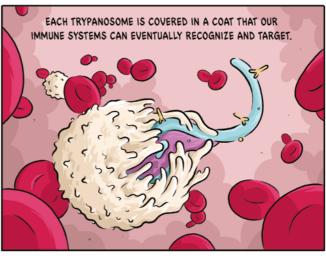


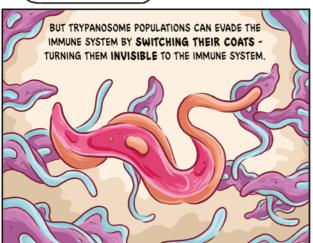












THESE NEW DISGUISES ALLOW THEM
TO ESCAPE AND CONTINUE THE
INFECTION. THOSE THAT HAVEN'T
CHANGED ARE CAUGHT AND
DESTROYED, THEIR COVER BLOWN!











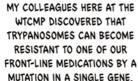
WTCMP ARE HARD AT WORK STUDYING THESE DEFENCES. BY FIGURING OUT WHY BABOONS CAN DO WHAT HUMANS CAN'T WE MIGHT BE ABLE TO HARNESS THIS TRYPANOSOME-BURSTING POWER FOR NEW TREATMENTS.





WHILE WE GRADUALLY WORK TOWARDS NEW TREATMENTS, EVOLUTION BY NATURAL SELECTION MEANS THAT TRYPANOSOMES ARE BECOMING RESISTANT TO THE FEW MEDICINES THAT WE DO HAVE.









THE TRUTH IS THAT INFECTIOUS DISEASE IS A MOVING TARGET, AND TRYPANOSOMES ARE CONSTANTLY EVOLVING AND ACQUIRING MUTATIONS.

IF WE ARE EVER TO GET THE UPPER-HAND ON SLEEPING SICKNESS, IT'S CRUCIAL THAT WE UNDERSTAND HOW THESE PARASITES **EVOLVE**, AND HOW DRUG RESISTANCE DEVELOPS AND SPREADS.



TRYPANOSOMES CAN TEACH US A LOT ABOUT THE FUNDAMENTALS OF BIOLOGY AS WELL AS THE HISTORY AND DIVERSITY OF LIFE ON EARTH.

TRYPANOSOMES ARE A RESILIENT ENEMY. WHILE THE NUMBER OF CASES OF SLEEPING SICKNESS SEEMS TO BE FALLING, WE STILL HAVE OUR WORK CUT OUT TO DEFEAT IT.

BUT IT'S HARD TO ADMIRE THEM, KNOWING ALL THE SUFFERING THEY CAUSE.

THEY ARE REMARKABLE CREATURES.







THE WELLCOME TRUST CENTRE FOR MOLECULAR PARASITOLOGY IS BASED AT THE UNIVERSITY OF GLASGOW. OUR MISSION IS TO DEVELOP A DEEPER UNDERSTANDING OF MOLECULAR PROCESSES AND PATHWAYS IN PARASITES IN ORDER TO DEVELOP NEW APPROACHES TO TREATMENT.

FOR MORE INFORMATION ABOUT OUR WORK PLEASE VISIT: WWW_GLA_AC_UK/RESEARCHINSTITUTES/III/WTCMP/

OR CHAT WITH US @WTCMPGLASGOW ON TWITTER.

WITH THANKS TO DR. ANNETTE MACLEOD, VICKIE CURTIS, AND ALL OF OUR PROOFREADERS FOR THEIR HELP IN MAKING THIS BOOKLET.

FOR MORE FROM ARTIST EDWARD ROSS VISIT: WWW.EDWARDROSS.CO.UK



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SLEEPING SICKNESS IS A TERRIBLE DISEASE THAT AFFECTS MILLIONS OF LIVES. IT IS CAUSED BY A NIGHTMARISH PARASITE CAPABLE OF DISGUISING ITSELF FROM THE IMMUNE SYSTEM AND HIDING UNDETECTED IN THE BODY.

ACROSS THE GLOBE, SCIENTISTS ARE BATTLING THIS MICROSCOPIC FOE IN AN ONGOING SEARCH FOR TREATMENT AND A CURE.





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