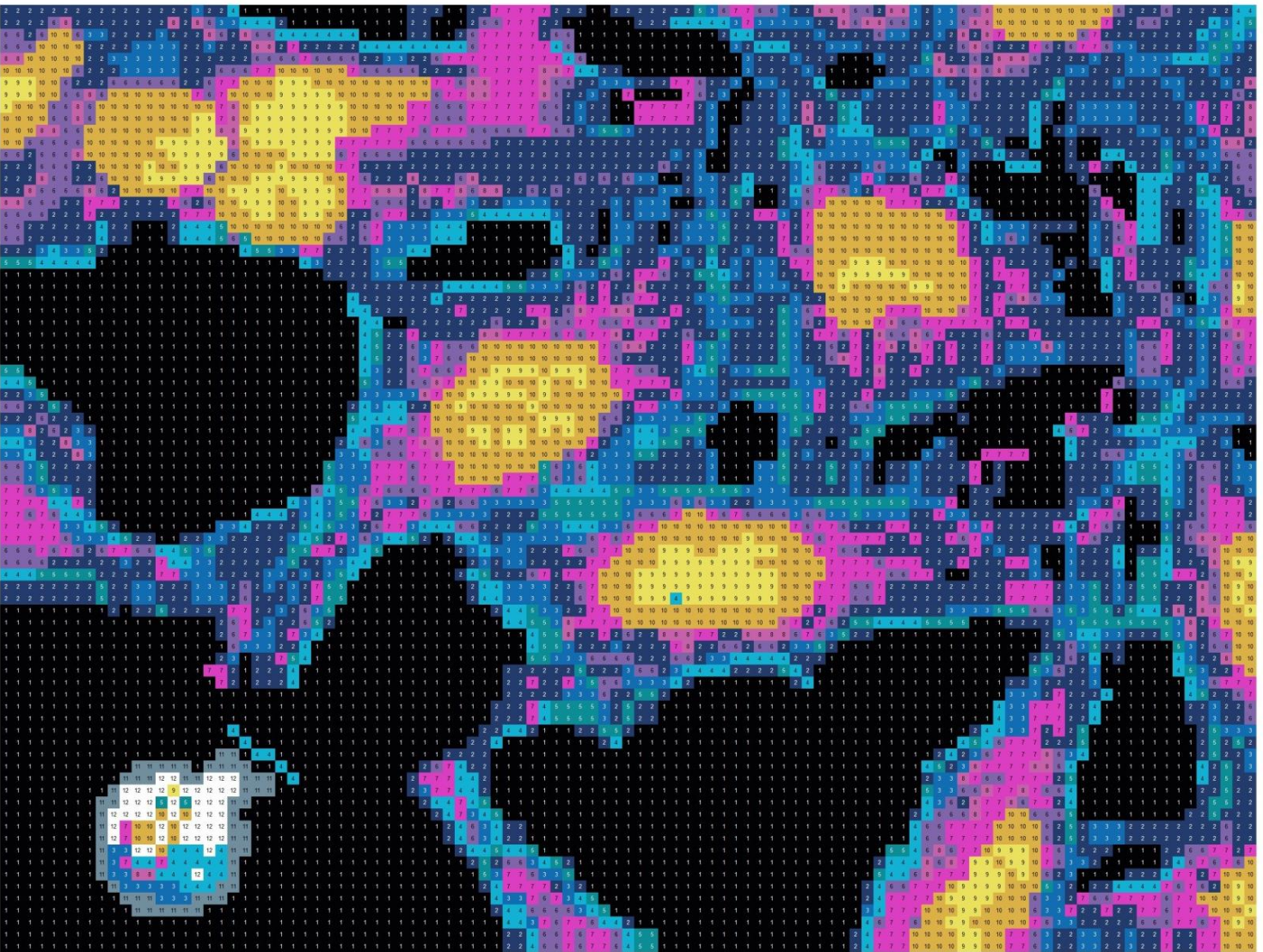


Pipette by Numbers: Presenter Key

Keep the image a mystery for guests! Only use this image to periodically check that the image is being painted correctly. When not in use, keep hidden from the public until the end.

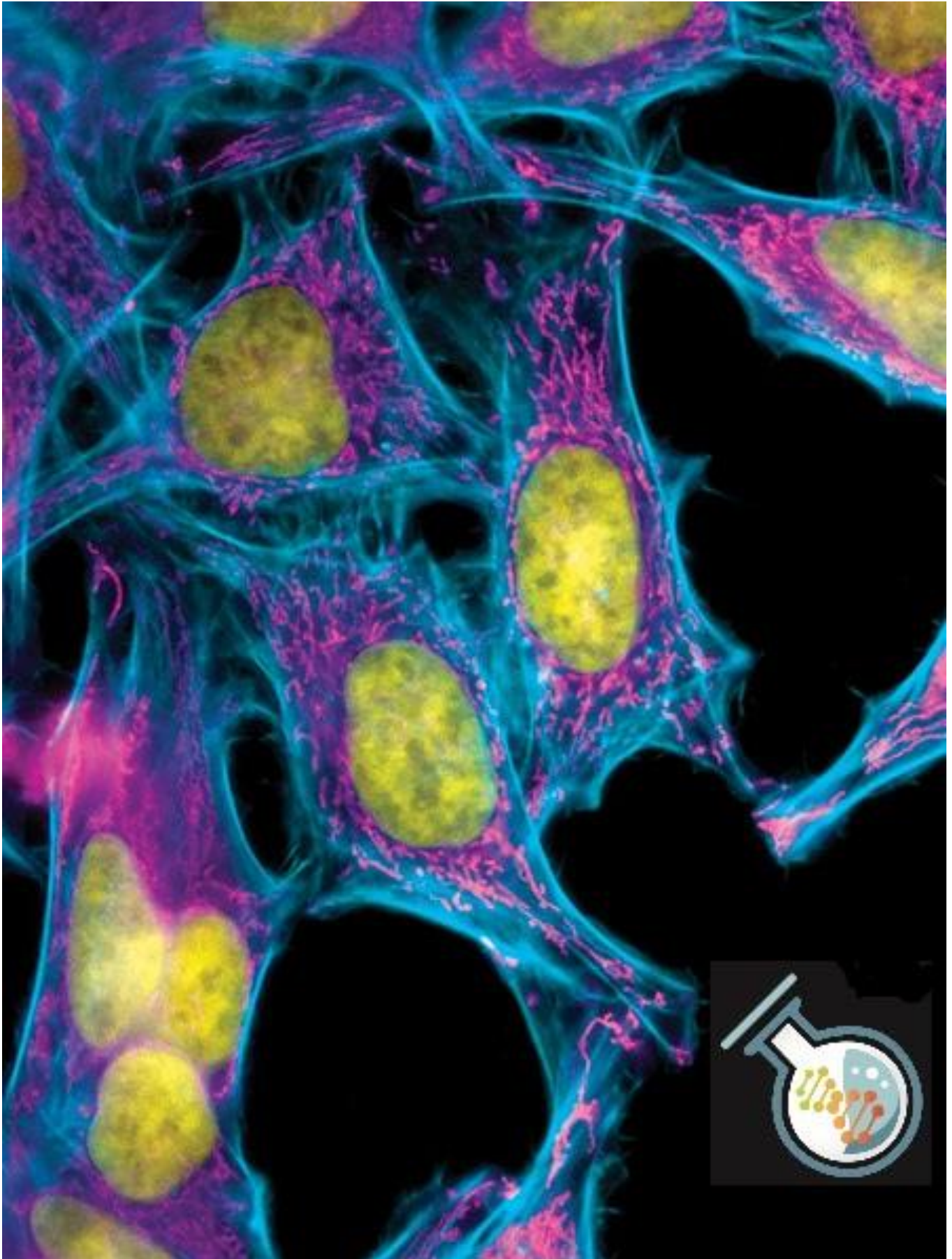
The image is of stained HeLa cells. The special dyes highlight specific parts of each cell: the DNA in the nucleus is yellow, the actin filaments are light blue and the mitochondria – the cell’s power generators – are pink. (Original image credit Dr. Omar A. Quintero)

The World Biotech Tour logo is added on the bottom left corner of the image. It is NOT part of the cells or the original image.



Edited stained HeLa cell image with WBT logo (bottom left).

HeLa cells have been used to explore the complex processes involved in the growth, differentiation, and death of cells—processes that underlie a vast array of human diseases. HeLa cells have also served as the foundation for developing modern vaccines, including the polio vaccine; understanding viruses and other infectious agents; and devising new medical techniques, such as *in vitro* fertilization. The moral and ethical issues surrounding HeLa cells and other human cell lines are still much debated. (“HeLa Cells: A New Chapter in an Enduring Story” Dr. Francis Collins, National Institutes of Health (NIH), August 7, 2013)



Original image, , credit to Dr. Omar A. Quintero



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