

Super Cells

THE POWER OF STEM CELLS

- INTERACTIVE TRAVELLING EXHIBITION
- SURFACE AREA: 150 M²
- CLIENTELE: GENERAL PUBLIC, FAMILIES
- AVAILABLE AS OF **JANUARY 2015**

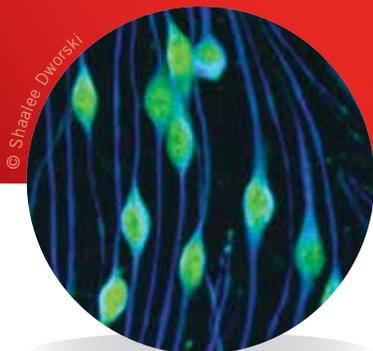


EACH OF US IS THE RESULT OF A HANDFUL OF TINY STEM CELLS THAT MULTIPLIED TO PRODUCE THE 200 TYPES OF SPECIALIZED CELLS IN OUR BODY.

Our stem cells continue to be active to keep us healthy. Without stem cells, we couldn't survive more than three hours!

The exhibition "Super Cells: The Power of Stem Cells" immerses us in this little-known

world through four very high-tech and interactive zones. A comprehensive educational guide for school children ages 6-14 is included with the exhibition.



1 OUR STEM CELLS

Your body is made up of all kinds of cells. Most of these cells have a very specific role. But hidden inside your tissues is another kind of cell -- stem cells -- and these cells have incredible powers necessary to heal and sustain life. Enter the microscopic world and discover the stem cells in the human body. Where are they? What do they do? The answers are revealed through 3D animations, gripping photos, and interactive games.

2 SUPER POWERS

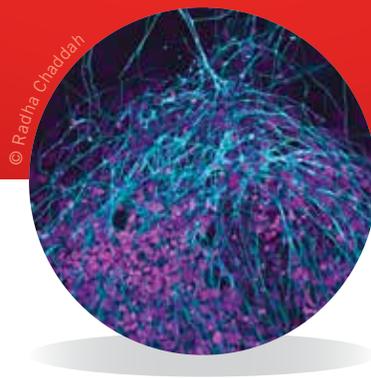
Accompanied by our four superheroes, discover the powers of stem cells in humans and animals. Researchers are trying to harness the power of these cells to treat injury and disease. But stem cells can be unpredictable and our Trickster often appears on the scene to throw obstacles in the way. Turn the wheel of fortune and discover the scope and limitations of medical research. Test your knowledge of what's real and what's not in the True or False Challenge.

3 YOUR BODY: A CELL FACTORY

From conception to birth, our stem cells develop and specialize to create all the tissues and organs in our body. Follow their transformation in the body of a young avatar. Help him or her stay healthy by successfully creating the cells found in the skin, blood, and intestine. Your mission: to repair damage or renew stocks of aging cells. A space favoured by children.

4 LAB

Enter the lab to learn about the work being done in research centres around the world. Meet a scientist, handle the instruments, and take on challenges. You'll be called upon to test a new medication, perform a transplant, and help heal a broken bone. First step: grow stem cells. Stop them from following their own path by controlling their environment, and then get them to transform according to your needs. Watch for contamination!



PRODUCTION



PARTNERS



CONTRIBUTOR



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Learn more about our travelling exhibitions:
www.naturesciences.qc.ca