



**McMASTER
CHILDREN & YOUTH
UNIVERSITY**

2017 – 2018 Lecture Series

Lectures are held at McMaster University on the last Saturday of each month from 11:00am – 12:00pm. Admission is FREE. Pre-registration is recommended. View our website for more details: www.mcyu.ca

From the Bottom Up, One By One: Combining Very Tiny Particles to Make Big and Useful Things

September 23, 2017 By: Dr. Ishwar Puri

What if, all of a sudden, you shrunk by 1500 million times? You would be the size of a single water molecule. You would need to walk around proteins and climb over cells. Dr. Puri will help you discover how big things are created using very tiny nanoparticles. Just like building with tiny Legos, we are able to make new materials using these nanoparticles from the bottom up, one nanoparticle at a time. Discover how scientists use nanotechnology to speed up how new drugs are developed and to make sensors that can immediately tell us if water is clean.

Growing Healthy babies: why is this important?

November 4, 2017

By: Dr. Deb Sloboda

Have you heard of diabetes? Do you know someone whose life is affected by diabetes? Diabetes is a health condition that affects millions of kids and adults of all ages. Today, Dr. Sloboda will tell you what is happening in your body if you have diabetes and how to take care of yourself. She will talk about her research on how a mother's nutrition before and during pregnancy can influence the health of her developing baby, and how they live their life as they grow up.

18th Century Literature - Superheroes

November 25, 2017

By: Dr. Peter Walmsly & Dr. Eugenia Zuroski

Who gets to be a superhero?"

What does a superhero look like to you? Did you imagine someone like Superman, Iron Man, or Thor? Everyone has a favourite fictional superhero, but did you know that superheroes are everywhere, making the world safe for regular people like us? Have you ever wondered about what makes a hero, and where they come from? Or if there can be girl heroes as well as boys? Find out, by joining us as we explore how ideas of the hero have shifted over time—don't miss out on inventing a superhero that suits you!

Why don't dinosaurs throw snowballs?

January 27, 2018

By: Dr. Maureen Padden

Dinosaurs lived for roughly 160 million years and survived tremendous changes in climate. What was the climate like when these creatures roamed the Earth? How did their experiences differ from that of ours today? We will travel through time and learn how the weather patterns have changed over the last 65 million years.



The Story of "YOU" University Life

February 24, 2018

By: Dr. Felicia Vulcu

Let's re-think university and redefine it. What if "university" wasn't a building with classrooms and professors? What if You are the University? What does this mean? Re-imagine university as the story of you. You are starting on an amazing journey of self-discovery. Your ultimate goal: to learn, to grow and to create. Join Dr. Vulcu in this exciting talk to discover YOUR university journey.

Photovoice: Engaging Indigenous Elders and Youth

March 24, 2018

By: Dr. Chelsy Gable

We've all heard the saying, "A picture is worth a thousand words." Did you ever look at a picture, a photograph, or a painting and wonder what story it tells? A photograph can be a strong tool to convey a message. Join Dr. Gable as she explains how "Photovoice" is being used today to address and prevent complex social and health problems in indigenous communities in Canada, and bring Indigenous elders and youth together.

Holographic & Anatomy

April 28, 2018

By: Dr. Bruce Wainman

Have you ever wondered how our body looks like inside? This is a subject doctors call Anatomy. New computer-based technologies can help us "see", in 3D, how all the different parts of our body come together to make the amazing human body work. Join Dr. Wainman as he turns you inside out!

Sweat so you don't forget

May 26, 2018

By: Dr. Jennifer Hiesz

Physical exercise is good for your body, but it is also good for your brain too! This talk will explore how physical exercise impacts the brain to improve cognition and overall academic performance.

**Website: mcyu.ca | Email: mcyu@mcmaster.ca | 905-521-2100 ext. 73790
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