

Neuroscience:

How Your Brain Lives, Works... And Dies

A lecture series on advances in neuroscience research presented by the Toronto Public Library and York University's Faculties of Health and Science

Your Brain in Action

Dr. Denise Henriques
(Kinesiology and Health Science)

Humans surpass all other animals and robots when it comes to the diversity and malleability of movements produced – we are the world's most versatile movers. Dr. Henriques explains how the brain's remarkable control systems make this possible.

➤ Toronto Reference Library
January 21, 6:30-8 pm

The Beautiful Brain: How Do We See the World?

Dr. Georg Zoidl (Biology/Psychology)

Whether marvelling at a work of art or engaging in daily routine, our visual sense and powerful brain let us react with adequate behaviours. Dr. Zoidl explains what our perception of the physical world means for us as individuals and social beings.

➤ North York Central Branch
March 4, 7-8 pm

How We See in 3D

Dr. Laurie Wilcox (Psychology)

We use 3D depth perception in many ways from catching a ball to walking down stairs, threading a needle or watching a 3D movie. Dr. Wilcox discusses how our brains interpret depth and distance in the world around us.

➤ Deer Park Branch
March 24, 2-3 pm

When Proteins Go Rogue: Structural Disorder in Neurological Disease

Dr. Derek Wilson (Chemistry)

Within each of the neurons in your brain, an intricate network of protein interactions maintains cell function. Dr. Wilson discusses what happens when one of the "hubs" in this network becomes malformed.

➤ Don Mills Branch
February 25, 7-8 pm

Memories in the Malleable Mind

Dr. Kari Hoffman (Psychology)

The neurons in our brain are in a constant state of chatter, and it is dynamic and flexible. Why, then, do we think of the brain as fixed, or "hard wired"? Dr. Hoffman explores the neuroscience of learning and remembering. Some new tricks provided, BYOOD (bring your own old dog).

➤ Brentwood Branch
March 11, 7-8 pm

Brain Networks and Mental Illness

Dr. Thilo Womelsdorf (Biology)

Neuroscience is revealing how our everyday experiences depend on functioning networks of brain cells. Dr. Womelsdorf presents new research that shows when these networks malfunction, the result is faulty brain function, which argues for rethinking the causes of mental illness.

➤ Danforth/Coxwell Branch
March 25, 7-8 pm

For more information see: science.yorku.ca/neuroscience

