



Dr. Stephen Lewis

Recognizing a Health Researcher who is **Changing the Face of New Brunswick**



Dr. Stephen Lewis

Not only is Dr. Lewis a Research Scientist at the Atlantic Cancer Research Institute (ACRI), www.atlanticcancer.ca – he is also the Assistant Scientific Director of the Institute, an Adjunct Professor of Biology at the University of New Brunswick, an Adjunct Professor of Chemistry and Biochemistry at Université de Moncton, and an Adjunct Assistant Professor of Microbiology and Immunology in the Faculty of Medicine at Dalhousie University. He obtained his BSc and PhD degrees in microbiology and immunology from Dalhousie University before moving on to the Children's Hospital of Eastern Ontario to do Post-doctorate training. He joined ACRI in 2008.

Dr. Lewis' basic biomedical research program is focused on understanding a novel mechanism for the initiation of protein synthesis known as internal ribosome entry-site (IRES)-mediated translation initiation. IRES allow direct recruitment of ribosomes to a messenger RNA (mRNA), particularly during conditions of cellular stress and cell proliferation. Messenger RNA plays an important role in disease, particularly cancer. A better understanding of cell mechanisms such as this may lead to new drug targets for better treatment of many cancers including breast cancer and Non-Hodgkin's lymphoma, two of the top five most common cancers in New Brunswick.

DR. LEWIS HAS:

- Attracted over \$800K in research funding in his six years in New Brunswick.
- Trained and mentored 2 post-doctoral fellows and supervises a staff of 3 in his lab at ACRI.
- Contributed nearly 50 articles, reports and presentations (nine as a guest speaker) at national and international conferences and in many internationally recognized peer-reviewed journals.



In addition to his research activities, Dr. Lewis also contributes to the health research enterprise by serving on grant review, manuscript review, academic leadership and teaching committees. He has recently been named to the Board of Directors of the Beatrice Hunter Cancer Research Institute. Most recently, Dr. Lewis has taken centre stage with regard to the investment of nearly \$3M in the Atlantic Cancer Research Institute by the federal Atlantic Canada Opportunities Agency. Dr. Lewis explains the research being funded in the video at <http://jgrrgls.tv/users/8/ACRIARC/6692>.

By recruiting talented researchers like Dr. Lewis to New Brunswick, we are contributing to the global effort to provide effective health care services and treatments. We are also creating a robust research environment that will train our students to become the talented health researchers and entrepreneurs of tomorrow.

Please join us in saluting Dr. Stephen Lewis, whose work seeks to improve the health of New Brunswickers.

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Presented by:



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