



HOT TOPICS IN SCIENCE

RIBOSOMES, LOST IN TRANSLATION

DR. MARINA TOURLAKIS, LIFE SCIENCES TUTOR
(MOLECULAR GENETICS), QUEST UNIVERSITY CANADA

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Free & Open to the Public

Quest University Library
3200 University Boulevard
Squamish, BC
Canada V8B 0N8

Ribosomes are present in all known living things and play the crucial role of translating information coded in the genome into proteins that carry out myriad functions in the cell.

Given their central role in information transfer and hence life, ribosomes serve as important centres for regulatory control. Many antibiotics target the ribosomes of bacteria, many plants have ribosome inactivating proteins to prevent viruses from hijacking their infrastructure, and a growing number of human diseases can be tied back to ribosome dysfunction.

In this talk, I will outline how ribosomes are linked to disease and how studying rare diseases can help us understand common problems.