



## The importance of biochemistry in public health

**Raphael Louis**

*Global Healthcare Reform Expert, Canada*

### Abstract:

As the name may suggest, biochemistry is a field of science that broaches the two traditional disciplines of biology and chemistry. If chemistry is the science of matter, then biochemistry is the science of living matter. Practitioners of biochemistry study the biochemical reactions that occur at the molecular level within living organisms. In medical biochemistry, also known as molecular biology, biochemical techniques are applied to human health and disease.

Biochemistry is rapidly expanding, becoming one of the most influential areas of science. Combining the core tenets of biology and chemistry, the field plays a huge role in the development of novel new scientific approaches. But just how important is it to public health? Public health is just one area that has benefited from biochemistry. The discipline has made vital contributions to the fields of including cell biology, physiology, pathology, pharmacology, microbiology, immunology, nutrition, forensic medicine, and toxicology, as well as the fields of inflammation, cell injury, and cancer.

Aside from medicine, biochemical research is also applied in industry, agriculture, and food production. When taking all these applications into consideration, biochemistry is far from a single, monolithic discipline. Ever since Eduard Buchner's 1897 discovery that a cell-free extract of yeast can ferment sugar, widely considered to be the birth of biochemistry, biochemistry has enjoyed an intimate relationship with medicine and public health, illuminating many aspects of human health and the eradication diseases.

### Biography:

Raphael Louis, (Global Healthcare Reform Expert), is the Founder, Chairman, President & Chief Executive Officer (CEO) of The Federal Association for the Advancement of



Visible Minorities (FAAVM), whereas a NFP Corporation including activities such as the FAAVM Socio Economic Development Council (SEDC), which plays a vital portion in the overall mission realization of the organization. He is also Founder/Leader of the National Coalition Party of Canada (NCPC) and believes that most Canadians who are in the slightest degree politically active are inclined to hold one of the two chief political positions common in this country, what we call conservatism or liberalism, thus politically, Canadians are highly divided. Raphael political vision when it comes to issues of finance, immigration, public health, national security, diplomacy, human rights, international trade, foreign direct investment (FDI) and environmental protection, is that first.

### Publication of speakers:

1. Raphael Louis et al., Scientific Program Title: An evaluation of cholera surveillance system in the Ga east municipality accra Ivana Haluskova Balter, Medical and scientific consultant for partnership, France Title: Association of ethnicity with Kawasaki disease related to SARS-CoV-2 infection; Scientific Program Webinar on COVID-19 Vaccination ; October 2020.
2. Raphael Louis et al., Shannon Entropy for Quantifying Uncertainty and Risk in Economic Disparity; J Society for Risk Analysis; 2019 Oct;39(10):2160-2181.

[Webinar on COVID-19 Vaccination | November 14, 2020 | Rome, Italy](#)

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