

Professor of Chemistry Zeev Gross started his career at the Technion in 1990, following a Ph.D. in Physical Organic Chemistry at Bar Ilan University and two years postdoctoral research on biomimetic chemistry at Princeton. On top of his teaching and research activities, Dr. Gross also served as dean of the Technion's largest division (continuing & external studies, two terms) and is heading multiple youth outreach activities in Chemistry during the last decade. Recognitions for his scientific achievements include his selections as Moore Distinguished Scholar in Caltech, the Hans Fischer Life Achievements Award, the Rita Levi Montalcini award, the Israel Chemical Society Gold medal and his election as Foreign Member of the European Academy of Sciences.

The research focus of Dr. Gross is on uncovering unique physical and chemical properties of metallocorroles, geared for their utilization in applications that are of prime importance for modern society. These include drug discovery efforts for treating cancer and preventing metabolic diseases, and the design of optimal catalysts for energy-relevant processes such as oxygen reduction for fuel cells, hydrogen production from protons, carbon dioxide reduction and water oxidation. Dr. Gross has helped determining these and many other exceptional features of corroles, which he shared with the community in more than 250 scientific publications.