

# Biography



## **Carolyn R. Bertozzi, Ph. D.**

Anne T. and Robert M. Bass Professor of Chemistry and  
Professor of Chemical and Systems Biology and Radiology  
Stanford University;  
Howard Hughes Medical Institute Investigator;  
Baker Family co-Director of ChEM-H

Robert M. Bass Professor of Chemistry and Professor of Chemical and Systems Biology and Radiology, Stanford University; Howard Hughes Medical Institute Investigator; Baker Family co-Director of ChEM-H is being presented with the Gustavus John Esselen Award for Chemistry in the Public Interest for her work in the advancement of bioorthogonal chemistry. In one application, Dr. Bertozzi studies the interaction of glycans on cell surfaces and has developed imaging tools that allow researchers to attach probes to specific sugars and to discern the differences between the cell surfaces of healthy and cancerous cells. Dr. Bertozzi focuses on bringing her research closer to clinical practice and many of her current projects are aimed at solving specific clinical problems in the areas of cancer, inflammation and bacterial infection.

The Gustavus John Esselen Award for Chemistry in the Public Interest honors outstanding scientific achievement in scientific and technical work which contributes to the public well-being and has thereby communicated the positive values of the chemical profession. The award is presented annually by the Northeastern Section of the American Chemical Society and has honored such publicly renowned chemists as Robert Langer (polymers for medical applications), Kary Mullis (polymerase chain reaction) and Chad Mirkin (nanostructures in chemistry, biology and medicine).

The Esselen Award is given to honor the memory of G. J. Esselen, past chair of the Northeastern Section and founder of Esselen Research Corporation.

In recognition of her contributions, Dr. Bertozzi will receive the Gustavus John Esselen Award for Chemistry in the Public Interest on Thursday, April 11, 2019, in a ceremony at Harvard University's Mallinckrodt Chemistry Laboratories at 8pm. Free and open to the public, Dr. Bertozzi's award lecture, to follow the presentation, is entitled "Chemical Approaches to Problems in Global Health."