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Ed Bayer is a professor in the Department of Biomolecular Sciences at the Weizmann Institute of Science, Rehovot, Israel. His early work focused on the initial development of the avidin- and streptavidin-biotin system as a general tool in the biological sciences, and he received the Sarstedt Award (1990) for his contributions in this field. He is co-discoverer of the cellulosome concept and has founded and pioneered the development of designer cellulosomes for research and biotechnological applications. In 1999, he founded and chaired an ongoing Gordon Research Conference on this subject. He is the recipient of The Ullitzky Prize (2006) from The Israel Society for Microbiology on his work in this area. Since 2008, he has served on the scientific advisory board of the US DOE BioEnergy Science Center (BESC). He has authored over 400 articles and reviews in both fields. He co-edited Methods in Enzymology Volume 184 on "Avidin-biotin technology", is editor-in-chief of Biotechnology Advances, section editor on Bacterial Genetics and Metabolic Engineering of Biotechnology for Biofuels, and serves on the editorial board of several other biotechnology- and microbiology-oriented journals, including Environmental Microbiology and Current Opinion in Biotechnology. He is an elected Fellow of both the American and the European Academies of Microbiology.

