

Publications by Professor Hilgenfeld quoted 3000 times

Today, May 29, 2008, the number of quotations of Professor Rolf Hilgenfeld's scientific publications has reached 3000, according to the Institute of Scientific Information (ISI). Professor Hilgenfeld is the Director of the Institute of Biochemistry at the University of Lübeck, Germany. He has authored 121 publications, of which the one most frequently quoted by other scientists (396 quotations), published in "*Nature*", describes the structure of elongation factor Tu, a protein involved in protein biosynthesis. This is followed by Rolf Hilgenfeld's publications in "*Science*" and the "*Proceedings of the National Academy of Science*" describing structures of a major enzyme in coronaviruses, including the SARS virus (quoted 258 and 174 times, respectively). Professor Hilgenfeld worked in the pharmaceutical industry (Hoechst AG) from 1986 to 1995, where his work focussed on the design of new insulins with prolonged activity. This was followed by a 7-year stay as Full Professor of Structural Biochemistry at the University of Jena, where protein biosynthesis was at the heart of his scientific work. Since 2003, he has worked at the University of Lübeck, where his group analyzes the three-dimensional structures of proteins from pathogenic viruses and designs and synthesizes drugs against these targets. Coronaviruses, which can lead to severe respiratory disease (such as SARS), and enteroviruses, which cause heart-muscle inflammation and are also responsible for the current outbreak of Hand, Foot and Mouth Disease in China, continue to be amongst his research interests in Lübeck. Combining molecular biology, macromolecular structure analysis, and synthetic chemistry under one roof, Professor Hilgenfeld's institute has managed to discover several active drug molecules against these viruses.

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