

A reader friendly, strategically structured introduction to glycosciences, guiding from the basics of the sugar alphabet and pertinent aspects of chemical/natural glycosylation to functional carbohydrate recognition (sugar code), with an eye on emerging medical relevance. All chapters, intimately connected by cross-referencing, share the same interdisciplinary level to make the information readily digestible. Story-telling info boxes add an entertaining touch.

Written by a team of renowned glycoscientists from the forefront of research with the clear intention to convey their enthusiasm for teaching key lessons and edited by a leading figure of the field this book is a perfect primer for students in life and medical sciences and for specialists looking for a concise overview. With its remarkable set of summary illustrations and its focus on landmark references it is ideally suited as practical resource to teach classes, run courses and get prepared for contributing to the dynamic development of glycosciences.

Supplementary Material is available at
www.wiley-vch.de/home/thesugarcode



Hans-Joachim Gabius studied biochemistry at the University of Hannover and the University of California San Diego. He received his PhD degree in 1982 for investigating proofreading mechanisms by phenylalanyl-tRNA synthetases, then starting his contribution to glycosciences in 1983 at the Max-Planck-Institute for Experimental Medicine in Göttingen with his discovery and characterization of lectins in tumors. Following an appointment as associate professor for pharmaceutical chemistry from 1991–1993 at the Philipps-University Marburg he became chairman of the Institute for Physiological Chemistry in the Faculty of Veterinary Medicine of the Ludwig-Maximilians-University Munich. Hans-Joachim Gabius received numerous research awards including the Otto-Hahn-Medal of the Max-Planck-Society, and awards of the Dr. Carl-Duisberg Foundation and the Paul-Martini Foundation. He has published over 500 research articles in peer-reviewed journals with over 13,000 citations and an h-factor of 59, this resource for teaching and self-study being the fifth book for which he served as editor.

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