



# Handbook of RNA Biochemistry

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## Handbook of RNA Biochemistry From Wiley-VCH

The second edition of a highly acclaimed handbook and ready reference. Unmatched in its breadth and quality, around 100 specialists from all over the world share their up-to-date expertise and experiences, including hundreds of protocols, complete with explanations, and hitherto unpublished troubleshooting hints.

They cover all modern techniques for the handling, analysis and modification of RNAs and their complexes with proteins. Throughout, they bear the practising bench scientist in mind, providing quick and reliable access to a plethora of solutions for practical questions of RNA research, ranging from simple to highly complex.

This broad scope allows the treatment of specialized methods side by side with basic biochemical techniques, making the book a real treasure trove for every researcher experimenting with RNA.

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## Editorial Review

### Review

"Die beiden Bände präsentieren sich als ein echtes Handbuch, das in keinem Labor, in dem RNA-Forschung betrieben wird, fehlen sollte. Der Text ist prägnant verfasst und voller guter Ideen, und insbesondere die Kapitel zum "Troubleshooting" sind eine wertvolle Hilfe für die Praxis. Man kann den Autoren und Herausgebern zu diesem großartigen Handbuch nur gratulieren und die Lektüre jedem, der sich mit RNA beschäftigt, wärmstens empfehlen." *Angewandte Chemie*

"Alle Artikel sind durchweg sehr verständlich und praxisnah verfasst, die Illustrationen im Text (teilweise mehrfarbig) sind äußerst anschaulich, selbst wenn sie experimentelle Details aus Originalarbeiten wiedergeben. ... Das Handbuch richtet sich aufgrund der starken Betonung des experimentellen Vorgehens zuerst natürlich an Biochemiker und Molekularbiologen, die sich mit RNA auseinander setzen. Es dürfte aber auch für alle von großem Nutzen sein, die sich mit einer bestimmten Vorgehensweise oder Analysemethode vertraut machen wollen, auch wenn sie diese nicht selbst einsetzen. Somit ist es für Studierende der Molekularbiologie, Biochemie oder Biotechnologie unbedingt zu empfehlen und sollte in keiner Institutsbibliothek der erwähnten Fachrichtungen fehlen." *biologen heute*

### From the Back Cover

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This broad scope allows the treatment of specialized methods side by side with basic biochemical techniques, making the book a real treasure trove for every researcher experimenting with RNA.

### About the Author

**Roland K. Hartmann** is Professor of Pharmaceutical Chemistry at the Philipps-Universität Marburg (Germany). He studied Biochemistry at the Freie Universität Berlin where in 1988 he received the Ernst Reuter award for outstanding Ph.D. theses. His research interests include natural ribozymes, particularly ribonuclease P, interactions of RNAs with proteins and small ligands, aptamers, antisense and RNA interference.

**Albrecht Bindereif** is Professor of Biochemistry at the University of Giessen (Germany) since 1999. He studied Biochemistry in Tübingen and at the University of California, Berkeley. His postdoctoral work was done in Michael Green's laboratory at Harvard University. His research interests focus on the mechanism and regulation of mRNA splicing, both in the mammalian system and in trypanosomes.

**Astrid Schön** received her PhD from the Institute of Biochemistry at the University of Würzburg, and was a graduate fellow and postdoctoral associate with Dieter Söll at Yale University. She is currently a lecturer at the Institute of Biochemistry, University of Leipzig (Germany). Her research is focused on RNA metabolism and RNA-protein interactions, and the evolution of complex RNA enzymes.

**Eric Westhof** is Professor of Biophysics at the Université Louis Pasteur in Strasbourg (France) since 1988. He studied in Liege and Regensburg and was a Fulbright-Hays Research Fellow at the University of Wisconsin with M. Sundaralingam. His research is centered on the relationships between sequence, structure, evolution and functions of RNA molecules.

## **Users Review**

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#### **Deborah Knight:**

Why? Because this Handbook of RNA Biochemistry is an unordinary book that the inside of the e-book waiting for you to snap the idea but latter it will surprise you with the secret the item inside. Reading this book next to it was fantastic author who also write the book in such awesome way makes the content on the inside easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you for not hesitating having this any longer or you going to regret it. This excellent book will give you a lot of rewards than the other book possess such as help improving your proficiency and your critical thinking technique. So , still want to hold off having that book? If I were you I will go to the e-book store hurriedly.

#### **Marsha Gleason:**

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