
CONTENTS INHALT SOMMAIRE

Modified Oligonucleotides

EDITORIAL

- 775 *R. Häner*
- 776 Tuning Molecular Recognition of RNA and DNA *via* Sugar Modification
C.J. Leumann
- 780 DNA with Artificial Base Pairs
J. Hunziker, G. Mathis*
- 785 Oligonucleosides with Integrated Backbone and Base: Foldamers with a Novel Architecture
A.T. Vasella
- 794 DNA Mimics Containing Non-Nucleosidic Base Surrogates
*S.M. Langenegger, G. Bianké, R. Tona, R. Häner**
- 798 Encoded Self-Assembling Chemical Libraries
*S. Melkko, J. Sobek, G. Guarda, J. Scheuermann, C.E. Dumelin, D. Neri**
- 803 Application of RNAi in Biomedical Research
J. Hall
- 808 Preparation of Modified RNA Sequences for Biological Research
S. Pitsch, D. Ackermann, C. Denarie, F. Meylan, M. Meyyappan, E. Muller, A. Peer, S. Porcher, L. Reymond, A. Stutz, P. Wenter, X. Wu*
- 812 *In vitro* Transcription and Purification of RNAs of Different Size
*S. Gallo, M. Furler, R.K.O. Sigel**
- 817 Structure Determination of Catalytic RNAs and Investigations of Their Metal Ion-Binding Properties
*M.C. Erat, R.K.O. Sigel**
- 822 Mass Spectrometry of Oligonucleotides
*S.T.M. Monn, J.M. Tromp, S. Schürch**
- 826 Interaction of Mono- and Dinuclear Metal Complexes with Mono- and Oligonucleotides for Analytical, Radio- and Chemotoxic Purposes
*B. Spingler, F. Zobi, P.M. Antoni, A. Medina-Molner, R. Alberto**
- 832 In-Strand Metallated Nucleic Acids – Novel Bioinorganic Constructs
E.C. Constable, V. Chaurin, C.E. Housecroft, A. Wirth*
- 836 Searching for Nucleic Acid Alternatives
*A. Eschenmoser**

CONFERENCE REPORT

- 851 Second Joint Italian – Swiss Meeting on Medicinal Chemistry (ITCHMC 2005)
Modena, September 12–16, 2005
W. Froestl

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 862 Elucidating the Secrets of the Maillard Reaction Cascade – The Role of Amadori Compounds
*T. Davidek, I. Blank**

SCG/SSC/SCS

- 863 DAC Division of Analytical Chemistry

INFORMATION

- 864 Lectures
865 Honors/Ehrungen
866 Congresses – Conferences – Workshops

CHIMIA-REPORT

- 867 Markt, Apparate, Chemikalien und Dienstleistungen