

Bioorthogonal Chemistry

EDITORIAL

755 *N. Winssinger*

758 Recent Development of Photo-Cross-Linkers as Tools for Biomedical Research
*Y. Tian, Q. Lin**

764 Photochemically Active Dyes for Super-Resolution Microscopy
*Z. Thiel, P. Rivera-Fuentes**

771 Bioorthogonal Decaging Reactions for Targeted Drug Activation
*S. Davies, B. J. Stenton, G. J. L. Bernardes**

777 Direct and Selective Modification of RNA – An Open Challenge in Nucleic Acid Chemistry
D. Gillingham, D. Rasale*

782 Recent Developments and Applications of Photoconjugation Chemistry
*F. Xiao, X. Zhang, X. Lei**

791 Transition Metal-mediated Reactions in Biological Media
M. Martínez-Calvo, J. L. Mascareñas**

802 Modern Ligation Methods to Access Natural and Modified Proteins
*A. L. Baumann, C. P. R. Hackenberger**

809 Platforms for Bioorthogonal Oligonucleotide-templated Reactions: Translating Concepts into Devices
*S. Pavagada, S. Ladame**

COLUMNS, CONFERENCE REPORTS

- 815 SWISS SCIENCE CONCENTRATES
*M. O. Loehr, A. Johnson, A. Karimi, N. Luedtke**
- 816 HIGHLIGHTS OF ANALYTICAL SCIENCES IN SWITZERLAND
Genome Mining-guided and MALDI Imaging-assisted Discovery of New Antibiotics
*S. I. Probst, C. Vogel, J. A. Vorholt, J. Piel**
- 817 MEDICINAL CHEMISTRY AND CHEMICAL BIOLOGY HIGHLIGHTS
The Partnership of DMCCB and LS²
C. von Schoultz, C. Heinis, Y. Auberson*
- 819 CHEMICAL EDUCATION
Protecting the Eggs of a Praying Mantis: Natural Biomaterials
C. E. Housecroft
- 822 CONFERENCE REPORTS
SCS Seminar 2018/1: Catalysis Across Scales
C. Mondelli, A. Fedorov**
- 824 Symposium on Process Analytical Technology (PAT) at ILMAC Lausanne 2018
D. Spichiger, T. Merz**

COMMUNITY NEWS

- 826 Swiss Chemical Society News
- 827 Honors, Awards, Appointments
- 829 Journal News
- 830 Industrial News

EVENTS

- 832 SCS Conferences and Symposia
- 833 Non-SCS Conferences in Switzerland
- 834 Lectures December 2018

CHIMIA REPORT/COMPANY NEWS

- 837 Markt, Apparate, Chemikalien und Dienstleistungen