1. Record Nr. UNISA996207003203316

Titolo	Controle & automação : revista da Sociedade Brasileira de Automática
Pubbl/distr/stampa	Campinas, SP, : A Sociedade
Descrizione fisica	1 online resource
Soggetti	Automatic control Automation Periodicals.
Lingua di pubblicazione	Portoghese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr. UNINA9910337951003321

Titolo	Activity-Based Protein Profiling / / edited by Benjamin F. Cravatt, Ku-Lung Hsu, Eranthie Weerapana
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-11143-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (420 pages)
Collana	Current Topics in Microbiology and Immunology, , 0070-217X ; ; 420
Disciplina	572.6
Soggetti	Immunology Medical microbiology Virology Medical Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Activity-based protein proling – enabling multimodal functional studies of microbial communities -- Activity-Based Protein Proling

Methods to Study Bacteria: The Power of Small-Molecule Electrophiles -- Opportunities and Challenges in Activity-Based Protein Proling of Mycobacteria -- Activity-Based Protein Proling at the Host–Pathogen Interface -- Chemical Proteomic Proling of Protein Fatty-Acylation in Microbial Pathogens -- How to Target Viral and Bacterial Effector Proteins Interfering with Ubiquitin Signaling -- ABPP and Host–Virus Interactions -- Activity-Based Protein Proling for the Study of Parasite Biology -- Deciphering T Cell Immunometabolism with Activity-Based Protein Proling -- Small-Molecule Inhibitors of PARPs: From Tools for Investigating ADP-Ribosylation to Therapeutics -- Development of Activity-Based Proteomic Probes for Protein Citrullination -- Recent Advances in Activity-Based Protein Proling of Proteases -- Opportunities for Lipid-Based Probes in the Field of Immunology -- Activity-Based Protein Proling of Non-ribosomal Peptide Synthetases -- Target Identication of Bioactive Covalently Acting Natural Products -- Applications of Reactive Cysteine Proling.

Sommario/riassunto

This volume provides a collection of contemporary perspectives on using activity-based protein profiling (ABPP) for biological discoveries in protein science, microbiology, and immunology. A common theme throughout is the special utility of ABPP to interrogate protein function and small-molecule interactions on a global scale in native biological systems. Each chapter showcases distinct advantages of ABPP applied to diverse protein classes and biological systems. As such, the book offers readers valuable insights into the basic principles of ABPP technology and how to apply this approach to biological questions ranging from the study of post-translational modifications to targeting bacterial effectors in host-pathogen interactions.