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Titolo	Single cell analysis [[electronic resource] ] : technologies and applications / / edited by Dario Anselmetti
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Altri autori (Persone)	AnselmettiD
Disciplina	571.6
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Single Cell Analysis: Technologies and Applications; Contents; Foreword; Preface; List of Contributors; Part I Single Cell Analysis: Imaging; 1 Single Molecule Fluorescence Monitoring in Eukaryotic Cells: Intranuclear Dynamics of Splicing Factors; 1.1 Motivation; 1.2 Experimental Approach; 1.3 Single Particle Tracking within Living Cells; 1.4 Pre-Messenger RNA Splicing; 1.5 Intranuclear Splicing Factor Tracking; 1.6 Intranuclear U1 snRNP Splicing Factor Binding; 1.7 Events in Speckles; 1.8 Intranuclear U1 snRNP Mobility; 1.9 Perspectives of Single Molecule Microscopy; References 2 Gene Classification and Quantitative Analysis of Gene Regulation in Bacteria using Single Cell Atomic Force Microscopy and Single Molecule Force Spectroscopy2.1 Introduction; 2.2 AFM on Paracrystalline Cell Surface Layers of C. glutamicum: Protein Sequence Information and Morphology; 2.3 Imaging of Living C. glutamicum Cells with Molecular Resolution: Genes, Transcriptional Regulation and Morphology; 2.4 Single Molecule Force Spectroscopy on Specific Protein-DNA Complexes: Transcriptional Regulation in S. meliloti 2.5 Effector-Induced Protein-DNA Binding on the Single Molecule Level: Quorum Sensing in S. meliloti2.6 Conclusion; References; 3 Cellular

Cryo-Electron Tomography (CET): Towards a Voyage to the Inner Space of Cells; 3.1 Introduction; 3.2 Tomography with the Electron Microscope - a Practical Perspective; 3.2.1 Sample Preparation; 3.2.2 Instrumental and Technical Requirements; 3.2.3 Alignment, Reconstruction and Visualization; 3.3 Molecular Interpretation of Cellular Tomograms; 3.4 Outlook: The Future is Bright; References; Part II Single Cell Analysis: Technologies; 4 Single Cell Proteomics 4.1 Introduction 4.2 The Challenge; 4.3 Single Cell Proteomics: Mass Spectrometry; 4.4 Single Cell Separations; 4.5 Ultrasensitive Protein Analysis: Capillary Electrophoresis with Laser-Induced Fluorescence Detection; 4.6 Capillary Sieving Electrophoresis of Proteins from a Single Cancer Cell; 4.7 Cell Cycle-dependent Single Cell Capillary Sieving Electrophoresis; 4.8 Tentative Identification of Proteins in Single Cell Electropherograms; 4.9 Capillary Micellar and Submicellar Separation of Proteins from a Single Cell; 4.10 Two-Dimensional Capillary Electrophoresis of Proteins in a Single Cell 4.11 Single Copy Detection of Specific Proteins in Single Cells 4.12 Conclusion; References; 5 Protein Analysis of Single Cells in Microfluidic Format; 5.1 Introduction; 5.2 Microfluidic Single Cell Analysis Concept; 5.2.1 Single Cell Selection and Trapping; 5.2.2 Single Cell Lysis; 5.3 Single Cell Electrophoretic Separation and Detection of Proteins; 5.3.1 Label-Based Fluorescence Detection; 5.3.2 Label-Free Fluorescence Detection; 5.3.2.1 UV-LIF in Quartz Microfluidic Devices; 5.3.2.2 UV-LIF in PDMS Microfluidic Devices; 5.3.2.3 Single Cell UV-LIF Electrophoretic Analysis 5.4 Future Directions in Single Cell Analysis

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## Sommario/riassunto

The first-ever comprehensive overview of the methods used in this key technology in modern biology provides the latest working knowledge needed by every scientist entering this growing field. It covers all the current technology and application areas, from microscopy and spectroscopy to proteomics and microfluidics.

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2. Record Nr.	UNINA9910966450203321
Autore	Nussbaum Martha Craven <1947->
Titolo	The new religious intolerance : overcoming the politics of fear in an anxious age / / Martha C. Nussbaum
Pubbl/distr/stampa	Cambridge, Mass., : Belknap Press of Harvard University Press, 2012
ISBN	9780674069640 0674069641 9780674065918 0674065913
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xviii, 286 pages)
Disciplina	201/.723
Soggetti	Freedom of religion Religious tolerance Religious discrimination Fear - Religious aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- 1. Religion: A Time of Anxiety and Suspicion -- 2. Fear: A Narcissistic Emotion -- 3. First Principles: Equal Respect for Conscience -- 4. The Mote in My Brother's Eye: Impartiality and the Examined Life -- 5. Inner Eyes: Respect and the Sympathetic Imagination -- 6. The Case of Park51 -- 7. Overcoming the Politics of Fear -- Notes -- Index
Sommario/riassunto	What impulse prompted some newspapers to attribute the murder of 77 Norwegians to Islamic extremists, until it became evident that a right-wing Norwegian terrorist was the perpetrator? Why did Switzerland, a country of four minarets, vote to ban those structures? How did a proposed Muslim cultural center in lower Manhattan ignite a fevered political debate across the United States? In <i>The New Religious Intolerance</i> , Martha C. Nussbaum surveys such developments and identifies the fear behind these reactions. Drawing inspiration from philosophy, history, and literature, she suggests a route past this limiting response and toward a more equitable, imaginative, and free society. Fear, Nussbaum writes, is "more narcissistic than other

emotions." Legitimate anxieties become distorted and displaced, driving laws and policies biased against those different from us. Overcoming intolerance requires consistent application of universal principles of respect for conscience. Just as important, it requires greater understanding. Nussbaum challenges us to embrace freedom of religious observance for all, extending to others what we demand for ourselves. She encourages us to expand our capacity for empathetic imagination by cultivating our curiosity, seeking friendship across religious lines, and establishing a consistent ethic of decency and civility. With this greater understanding and respect, Nussbaum argues, we can rise above the politics of fear and toward a more open and inclusive future.

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