

1. Record Nr.	UNINA9910145274003321
Titolo	Light and plant development [[electronic resource] /] / edited by Garry C. Whitelam and Karen J. Halliday
Pubbl/distr/stampa	Oxford ; ; Ames, Iowa, : Blackwell Pub., 2007
ISBN	1-281-32031-5 9786611320317 0-470-98889-4 0-470-99429-0
Descrizione fisica	1 online resource (350 p.)
Collana	Annual plant reviews ; ; v. 30
Classificazione	42.42
Altri autori (Persone)	WhitelamGarry C HallidayKaren J
Disciplina	571.8/2 572.46 580.5
Soggetti	Phytochrome Plants - Photomorphogenesis Plants - Development Electronic books.
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	Light and Plant Development; Contents; Contributors; Preface; Part I Photoreceptors; 1 Phytochromes; 1.1 Introduction; 1.2 Historical aspects; 1.3 Properties of phyA in vivo; 1.4 Properties in yeast cells; 1.5 In vivo properties of phytochromes; 1.5.1 In vivo spectroscopy; 1.6 Intracellular localisation of phytochromes; 1.6.1 Classical methods; 1.6.2 Spectroscopic methods; 1.6.3 Cell biological methods; 1.6.4 Immunocytochemical methods; 1.6.5 Novel methods; 1.7 Intracellular localisation of phyB in dark and light; 1.8 Intracellular localisation of phyA in dark and light 1.9 Intracellular localisation of phyC, phyD and phyE in dark and light1. 10 Phytochrome/PIF3 co-localisation and nuclear speckles; 1.11 Regulation of intracellular localisation of phytochromes; Acknowledgements; References; 2 Cryptochromes; 2.1 Introduction; 2.2 Cryptochrome genes and their evolution; 2.3 Cryptochrome

domains, chromophores and structure; 2.3.1 Domain structure of the cryptochromes; 2.3.2 Cryptochrome chromophores; 2.3.3 Photolyase and cryptochrome structure; 2.3.3.1 Photolyase structure and reaction mechanism; 2.3.3.2 Cryptochrome structure

2.4 Cryptochrome biochemistry and spectroscopy

2.4.1 Phosphorylation; 2.4.2 Nucleotide-binding and kinase activity; 2.4.3 DNA-binding activity; 2.4.4 Electron transfer; 2.5 Expression and biological activity of cryptochromes; 2.5.1 Expression and light regulation of cryptochromes in planta; 2.5.2 Cellular localization; 2.5.3 Growth responses controlled by cryptochromes; 2.5.4 Regulation of gene expression through cryptochromes; 2.6 Cryptochrome signalling; 2.6.1 Dimerization and output domains; 2.6.2 Cryptochrome partners; 2.6.2.1 Interaction with COP1

2.6.2.2 Interaction with zeaxanthin/ADAGIO

2.6.2.3 Interaction with phytochromes; 2.6.3 Further downstream components; 2.7 Summary; Acknowledgements; References; 3 Phototropins and other LOV-containing proteins; 3.1 Introduction; 3.2 Phototropins and their biological functions; 3.2.1 Physiological roles in higher plants; 3.2.2 Physiological roles in lower plants; 3.3 Phototropin structure, localization and activity; 3.3.1 Phototropin structure and localization; 3.3.2 Phototropin autophosphorylation; 3.4 Light sensing by the LOV domains; 3.4.1 LOV-domain photochemistry

3.4.2 LOV-domain structure

3.4.3 Functional roles of LOV1 and LOV2; 3.4.4 Light-induced protein movements; 3.5 Phototropin signaling; 3.5.1 Phototropin-interacting proteins; 3.5.2 Downstream signaling targets; 3.6 Other LOV-containing proteins; 3.6.1 LOV-containing proteins in Arabidopsis; 3.6.2 LOV-containing proteins in fungi; 3.6.3 LOV-containing proteins in bacteria; 3.7 Conclusions and future perspectives; Acknowledgements; References; Part II Photoreceptor signal transduction; 4 Phytochrome-interacting factors; 4.1 Introduction; 4.2 Methodology; 4.2.1 Initial identification of PIFs

4.2.2 Subsequent assay and characterization of the interaction

Sommario/riassunto

Living organisms are subject to fluctuating environmental conditions. Whereas most animals are able to move away from unfavourable conditions, plants are sessile and so must cope with whatever comes their way. Of all the environmental cues that challenge the developing plant, light can probably be considered to be the most important. In addition to its key role in plant metabolism, and hence almost all life on Earth, where it drives the process of photosynthesis, light energy also acts to regulate plant growth and development. Light quantity, quality, direction and diurnal and seasonal duration

2. Record Nr.	UNINA9910300074303321
Titolo	Atlas of Musculoskeletal Tumors and Tumorlike Lesions : The Rizzoli Case Archive / / edited by Piero Picci, Marco Manfrini, Nicola Fabbri, Marco Garbarotti, Daniel Vanel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-01748-9
Edizione	[1. 2014.]
Descrizione fisica	1 online resource (370 p.)
Disciplina	610 616.07 616.0757 616.99
Soggetti	Oncology Surgery Pathology Radiology Imaging / Radiology
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 at the end of each chapters.
Nota di contenuto	Staging. Bone Tumors: Histiocytic Fibroma -- Multiple Histiocytic Fibromas with Extraskeletal Abnormalitie -- Fibrous Dysplasia -- Osteofibrous Dysplasia of Long Bones -- Simple Bone Cyst -- Histiocytosis X.-Chondroma -- Periosteal Chondroma -- Multiple Chondromas -- Osteoid Osteoma.- Osteoblastoma.-Aneurysmal Bone Cyst -- Giant Cell Tumor -- Chondroblastoma.- Chondromyxoid Fibroma -- Chondromyxoid Fibroma -- Desmoid Fibroma -- Chondrosarcomas -- Osteosarcomas.- Malignant Fibrous Histiocytoma -- Fibrosarcoma -- Ewing's Family Tumors -- Adamantinoma -- Vascular Tumors -- Chordoma -- Primary Lymphoma of Bone -- Multiple Myeloma -- Metastatic Carcinoma Soft Tissue Tumors: Myositis Ossificans -- Pigmented Villo-Nodular Synovitis and Giant Cell Tumor of Tendon Sheath -- Synovial Chondromatosis -- Fibromatosis -- Lipomas -- Liposarcomas -- Dermatofibrosarcoma Protuberans --

Fibrosarcoma -- Leiomyosarcoma -- Rhabdomyosarcoma -- Vascular Tumors -- Solitary Fibrous Tumor -- Neurofibromas.-Schwannoma -- Malignant Schwannoma -- Myofibroblastic Sarcoma -- Undifferentiated Pleomorphic Sarcoma -- Myxofibrosarcoma -- Synovial Sarcoma -- Alveolar Soft Part Sarcoma -- Epithelioid Sarcoma -- Clear Cell Sarcoma -- Extraskeletal Myxoid Chondrosarcoma -- Extraskeletal Osteosarcoma -- Extraskeletal Ewing's Sarcoma.

Sommario/riassunto

This book reflects the experience of the Rizzoli Orthopedic Institute during more than 100 years of treatment of musculoskeletal tumor and tumorlike lesions. It presents a wide range of lesions from a multidisciplinary perspective, highlighting pertinent clinical, radiological, and histological correlations. Treatment is briefly reported for each entity. In addition, the more recent biomolecular findings of use for diagnosis, prognosis, and treatment are carefully analyzed. The Rizzoli case archive spans more than a century, the first treated case dating back to 28 September 1900, and contains the original material – clinical charts, imaging, paraffin blocks, and histological slides – of more than 40,000 cases, including about 29,000 bone lesions and 11,000 soft tissue lesions. This book reports the most relevant entities and reflects the improvements in knowledge of musculoskeletal tumors as presented during the yearly international course held at the Rizzoli Institute.
