1. Record Nr. UNINA9910438019503321

Titolo	Physiology and physiopathology of adipose tissue / / Jean-Philippe Bastard, Bruno Feve, editors
Pubbl/distr/stampa	Paris, : Springer, 2013
ISBN	1-283-91195-7 2-8178-0343-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (431 p.)
Altri autori (Persone)	BastardJean-Philippe FeveBruno
Disciplina	571.57
Soggetti	Adipose tissues - Physiology Adipose tissues - Pathophysiology
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	pt. I. Adipose tissue development -- pt. II. Adipose tissue metabolic functions -- pt. III. Endocrine functions of adipocyte -- pt. IV. Pathology of adipose tissue.
Sommario/riassunto	The scientific advances in the physiology and pathophysiology of adipose tissue over the last two decades have been considerable. Today, the cellular and molecular mechanisms of adipogenesis are well known. In addition, adipose tissue is now recognized as a real endocrine organ that produces hormones such as the leptin acting to regulate food intake and energy balance in the central nervous system, a finding that has completely revolutionized the paradigm of energy homeostasis. Other adipokines have now been described and these molecules are taking on increasing importance in physiology and pathophysiology. Moreover, numerous works have shown that in obesity, but also in cases of lipodystophy, adipose tissue was the site of a local low-grade inflammation that involves immune cells such as macrophages and certain populations of lymphocytes. This new information is an important step in the pathophysiology of both obesity and related metabolic and cardiovascular complications. Finally, it is a unique and original work focusing on adipose tissue, covering biology and pathology by investigating aspects of molecular and cellular

biology, general, metabolic, genetic and genomic biochemistry.

2. Record Nr. UNINA9911006556303321

Titolo	Deepwater foundations and pipeline geomechanics / / edited by William O. McCarron
Pubbl/distr/stampa	Fort Lauderdale, FL : , : J. Ross Publishing, , [2011] ©2011
ISBN	9781607277203 9781680151619 1680151614 9781604277203 1604277203
Edizione	[1st ed.]
Descrizione fisica	1 online resource (353 p.)
Collana	Civil and environmental engineering series
Disciplina	621.8/672
Soggetti	Underwater pipelines Offshore structures - Foundations Marine geotechnics
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	""Cover ""; ""Table of Contents ""; ""Preface""; ""About the Author""; ""Contributors""; ""WAV Page ""; ""Chapter 1: Deepwater Foundations and Pipeline Geomechanics""; ""Chapter 2: Deepwater Integrated Geosciences Studies""; ""Chapter 3: Deepwater Foundation Design""; ""Chapter 4: Driven Pile Design for Tension Leg Platforms""; ""Chapter 5: Pipeline Geohazards for Arctic Conditions""; ""Chapter 6: The Application of Centrifuge Model Testing to Deepwater Geotechnical Problems""; ""Chapter 7: Reliability of Offshore Foundations""; ""Chapter 8: Soil-pipe Interaction for Subsea Flowlines"" ""Chapter 9: Modeling of Soil-pipe Interaction""""Chapter 10: Constitutive Modeling for Geomaterials""; ""Chapter 11: Finite Element Applications""; ""Index""

Sommario/riassunto

Practicing engineers in the offshore engineering industry will find in this contributed handbook practical information on current oil field production development practices for foundations and subsea flowlines. The technical challenges associated with deepwater developments have led to significant innovations. The contributors are practicing engineers and academics who have been at the forefront of offshore geotechnic development for several decades. Until the 1980s, the most common design concerns for offshore foundation and pipeline engineering were associated with extreme storm loadings, earthquakes, mudflows, fatigue, and installation activities. Engineers today face additional concerns, including: submarine slope failures, thermal buckling of pipelines, catenary riser interaction with the seafloor, vortex induced vibration of flowlines, shallow water flows encountered during drilling operations, and thermal interaction of pipelines with permafrost. This handbook describes recent advances in geophysical data acquisition and evaluation as they relate to offshore developments, as well as foundation and pipeline design considerations. The presentation is focused on deepwater geotechnics as well as subsea and Arctic pipeline design considerations, but engineers will find much of it applicable to other situations.