

1. Record Nr.	UNINA9910437855303321
Titolo	Integrative Biology of Women's Health // edited by Espen E. Spangenburg
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2013
ISBN	1-4614-8630-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (217 p.)
Disciplina	571.6
Soggetti	Human physiology Cytology Endocrinology Proteins Cardiology Developmental biology Human Physiology Cell Biology Receptors Developmental Biology
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	1. Influence of ovarian hormones on skeletal muscle contractility -- 2. Novel Findings in Bone biology: impact on bone health for women -- 3. Estrogen Effects on Skeletal Muscle -- 4. The contribution of ovarian hormones to the cellular regulation of lipid metabolism -- 5. The role of estrogens in the regulation of peripheral glucose dynamics -- 6. The Impact of Estrogen Receptor a Expression in the Pathogenesis of Metabolic Syndrome- 7. Metabolic Health in the Aging Female: Human Perspective -- 8. Transitions Across a Lifetime: Unique Cardiovascular Physiology of Women and Relationship to Cardiovascular Disease Risk -- 9. Estrogen, Cardiac Protection and Aging -- 10. Diet and Exercise Are Potent Modulators of Cardiovascular Disease in Women.
Sommario/riassunto	The purpose of Integrative Biology of Women's Health is to discuss and

identify perspective areas from basic science to clinical interventions that are critical to the future of women's health. As of now there are critical knowledge gaps that exist in our understanding of physiological and cellular function in women that make the prediction of responses to specific interventions daunting. From a scientific evolution of understanding, the existence of research focused on women's health is relatively new and thus there has not been enough time for new information to integrate itself into our current scientific thought process. This book seeks to capture and disseminate our current understanding of scientific advancements relevant to women's health and provide the information to a broad audience. The scientific community has made significant advancements in understanding the unique aspects of women's health in multiple different tissues. Within this book leading researchers in three key areas: skeletal-muscle-bone function, metabolic function, and cardiovascular function have contributed chapters to enlighten or encourage new avenues of thought that would benefit women. The reader will be exposed to a wide range of experimental approaches including physiological, biochemical, molecular techniques in an effort to provide a comprehensive discussion about the biology of women's health. Integrative Biology of Women's Health is of great value to anyone who has a interest in sex related differences or estrogen-driven biological responses as they relate to muscle or bone function, metabolic or cardiovascular function. .
