1. Record Nr. UNINA9910164158903321

Titolo	Free Fatty Acid Receptors / / edited by Graeme Milligan, Ikuo Kimura
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VIII, 256 p. 70 illus.)
Collana	Handbook of Experimental Pharmacology, , 0171-2004 ; ; 236
Disciplina	547.437
Soggetti	Pharmacology Human physiology Diabetes Systems biology Medical biochemistry Pharmacology/Toxicology Human Physiology Systems Biology Medical Biochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Ligands at Free Fatty Acid Receptor 1 (GPR40) -- Ligands at Free Fatty Acid Receptor 2/3 (GPR43)/GPR41 -- Ligands at GPR84 -- Ligands at Free Fatty Acid Receptor 4 (GPR120) -- Homology modelling of FFA receptors -- Sensors for FFA receptors -- Key questions for translation of FFA receptors from pharmacology to medicines -- Polymorphic variation in FFA receptors. Functions and consequences -- The role and future of FFA1 as a therapeutic target -- Gut hormone regulation and secretion via FFA1 and FFA4 -- The role of FFA2 and FFA3 in metabolic regulation -- Anti-inflammatory and insulin sensitizing effects of free fatty acid receptors -- Free Fatty Acid receptors and cancer. .
Sommario/riassunto	This book highlights the important role free fatty acids (FFA) play as potential drug targets. While FFA have long been considered byproducts of cell metabolism, they are now recognized as ligands that regulate cell and tissue function via G-protein-coupled receptors. At

least three receptors have been identified for which FFA appear to be the endogenous ligands.