Richard Lehner

List of Publications by Year in Descending Order

81 papers	3,826 citations	36 h-index	60 g-index
86 ext. papers	4,369 ext. citations	5.8 avg, IF	5.34 L-index

#	Paper	IF	Citations
81	De novo phosphatidylcholine synthesis in the small intestinal epithelium is required for normal dietary lipid handling and maintenance of the mucosal barrier.. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2022**, 1867, 159109	5	
80	Attenuation of obesity-induced hyperlipidemia reduces tumor growth.. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2022**, 1867, 159124	5	1
79	Mitochondria-rough-ER contacts in the liver regulate systemic lipid homeostasis. *Cell Reports*, **2021**, 34, 108873	10.6	21
78	Effects of Chlorpyrifos on Serine Hydrolase Activities, Lipid Mediators, and Immune Responses in Lungs of Neonatal and Adult Mice. *Chemical Research in Toxicology*, **2021**, 34, 1556-1571	4	0
77	Carboxylesterase 1d (Ces1d) does not contribute to cholesteryl ester hydrolysis in the liver. *Journal of Lipid Research*, **2021**, 62, 100093	6.3	1
76	Fatty acid handling in mammalian cells **2021**, 161-200		0
75	Ces1d deficiency protects against high-sucrose diet-induced hepatic triacylglycerol accumulation. *Journal of Lipid Research*, **2019**, 60, 880-891	6.3	5
74	Genetic variation in human carboxylesterase CES1 confers resistance to hepatic steatosis. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 688-699	5	10
73	Fasting and refeeding induces changes in the mouse hepatic lipid droplet proteome. *Journal of Proteomics*, **2018**, 181, 213-224	3.9	21
72	Carboxylesterases in lipid metabolism: from mouse to human. *Protein and Cell*, **2018**, 9, 178-195	7.2	106
71	Pharmacological intervention of liver triacylglycerol lipolysis: The good, the bad and the ugly. *Biochemical Pharmacology*, **2018**, 155, 233-241	6	34
70	Subcutaneous adiposity is an independent predictor of mortality in cancer patients. *British Journal of Cancer*, **2017**, 117, 148-155	8.7	107
69	Chemotherapy diminishes lipid storage capacity of adipose tissue in a preclinical model of colon cancer. *Lipids in Health and Disease*, **2017**, 16, 247	4.4	11
68	Loss of Calreticulin Uncovers a Critical Role for Calcium in Regulating Cellular Lipid Homeostasis. *Scientific Reports*, **2017**, 7, 5941	4.9	20
67	Absence of Tissue Inhibitor of Metalloproteinase-4 (TIMP4) ameliorates high fat diet-induced obesity in mice due to defective lipid absorption. *Scientific Reports*, **2017**, 7, 6210	4.9	15
66	Regulation of Hepatic Triacylglycerol Metabolism by CGI-58 Does Not Require ATGL Co-activation. *Cell Reports*, **2016**, 16, 939-949	10.6	29
65	Oxidative Stress Attenuates Lipid Synthesis and Increases Mitochondrial Fatty Acid Oxidation in Hepatoma Cells Infected with Hepatitis C Virus. *Journal of Biological Chemistry*, **2016**, 291, 1974-1990	5.4	33

64	Fatty Acid Handling in Mammalian Cells **2016**, 149-184		10
63	Ces3/TGH Deficiency Attenuates Steatohepatitis. *Scientific Reports*, **2016**, 6, 25747	4.9	24
62	Tumor-Induced Hyperlipidemia Contributes to Tumor Growth. *Cell Reports*, **2016**, 15, 336-48	10.6	51
61	Liver-specific expression of carboxylesterase 1g/esterase-x reduces hepatic steatosis, counteracts dyslipidemia and improves insulin signaling. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2016**, 1861, 482-90	5	14
60	Pioglitazone attenuates hepatic inflammation and fibrosis in phosphatidylethanolamine N-methyltransferase-deficient mice. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G526-38	5.1	20
59	Roles of Acyl-CoA:Diacylglycerol Acyltransferases 1 and 2 in Triacylglycerol Synthesis and Secretion in Primary Hepatocytes. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1080-91	9.4	42
58	Matrix metalloproteinase-2 negatively regulates cardiac secreted phospholipase A2 to modulate inflammation and fever. *Journal of the American Heart Association*, **2015**, 4,	6	23
57	Identification of a Novel Heart-Liver Axis: Matrix Metalloproteinase-2 Negatively Regulates Cardiac Secreted Phospholipase A2 to Modulate Lipid Metabolism and Inflammation in the Liver. *Journal of the American Heart Association*, **2015**, 4,	6	19
56	Diets enriched in trans-11 vaccenic acid alleviate ectopic lipid accumulation in a rat model of NAFLD and metabolic syndrome. *Journal of Nutritional Biochemistry*, **2014**, 25, 692-701	6.3	50
55	Obesity-induced lysine acetylation increases cardiac fatty acid oxidation and impairs insulin signalling. *Cardiovascular Research*, **2014**, 103, 485-97	9.9	132
54	Identifying molecular features that distinguish fluvastatin-sensitive breast tumor cells. *Breast Cancer Research and Treatment*, **2014**, 143, 301-12	4.4	43
53	Analysis of lipid droplets in hepatocytes. *Methods in Cell Biology*, **2013**, 116, 107-27	1.8	21
52	Arylacetamide deacetylase: a novel host factor with important roles in the lipolysis of cellular triacylglycerol stores, VLDL assembly and HCV production. *Journal of Hepatology*, **2013**, 59, 336-43	13.4	24
51	Endoplasmic reticulum-localized hepatic lipase decreases triacylglycerol storage and VLDL secretion. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2013**, 1831, 1113-23	5	11
50	Acyl-CoA:diacylglycerol acyltransferase: molecular biology, biochemistry and biotechnology. *Progress in Lipid Research*, **2012**, 51, 350-77	14.3	222
49	Liver specific inactivation of carboxylesterase 3/triacylglycerol hydrolase decreases blood lipids without causing severe steatosis in mice. *Hepatology*, **2012**, 56, 2154-62	11.2	47
48	Deficiency of carboxylesterase 1/esterase-x results in obesity, hepatic steatosis, and hyperlipidemia. *Hepatology*, **2012**, 56, 2188-98	11.2	95
47	Liver triacylglycerol lipases. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2012** , 1821, 762-9	5	50

46	Ces3/TGH deficiency improves dyslipidemia and reduces atherosclerosis in Ldlr(-/-) mice. *Circulation Research*, **2012**, 111, 982-90	15.7	22
45	Lumenal lipid metabolism: implications for lipoprotein assembly. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 1087-93	9.4	51
44	Carboxylesterase1/Esterase-x regulates chylomicron production in mice. *PLoS ONE*, **2012**, 7, e49515	3.7	26
43	Role of endoplasmic reticulum neutral lipid hydrolases. *Trends in Endocrinology and Metabolism*, **2011**, 22, 218-25	8.8	47
42	Arylacetamide deacetylase attenuates fatty-acid-induced triacylglycerol accumulation in rat hepatoma cells. *Journal of Lipid Research*, **2010**, 51, 368-77	6.3	30
41	Altered lipid droplet dynamics in hepatocytes lacking triacylglycerol hydrolase expression. *Molecular Biology of the Cell*, **2010**, 21, 1991-2000	3.5	69
40	Shedding light on the enigma of myocardial lipotoxicity: the involvement of known and putative regulators of fatty acid storage and mobilization. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E897-908	6	77
39	Loss of TGH/Ces3 in mice decreases blood lipids, improves glucose tolerance, and increases energy expenditure. *Cell Metabolism*, **2010**, 11, 183-93	24.6	130
38	Exploiting the mevalonate pathway to distinguish statin-sensitive multiple myeloma. *Blood*, **2010**, 115, 4787-97	2.2	71
37	Recommended nomenclature for five mammalian carboxylesterase gene families: human, mouse, and rat genes and proteins. *Mammalian Genome*, **2010**, 21, 427-41	3.2	123
36	Es-x/Ces1 prevents triacylglycerol accumulation in McArdle-RH7777 hepatocytes. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 1133-43	5	33
35	Conversion of low density lipoprotein-associated phosphatidylcholine to triacylglycerol by primary hepatocytes. *Journal of Biological Chemistry*, **2008**, 283, 6449-58	5.4	26
34	Glucocorticoids and cyclic AMP selectively increase hepatic lipin-1 expression, and insulin acts antagonistically. *Journal of Lipid Research*, **2008**, 49, 1056-67	6.3	54
33	Role of Triacylglycerol Hydrolase and Apolipoprotein E in Hepatic Lipid Droplet Metabolism. *FASEB Journal*, **2008**, 22, 807.9	0.9	
32	Downregulation of stearoyl-CoA desaturase in Huntington's disease. *FASEB Journal*, **2008**, 22, 707.20	0.9	
31	Attenuation of adipocyte triacylglycerol hydrolase activity decreases basal fatty acid efflux. *Journal of Biological Chemistry*, **2007**, 282, 8027-35	5.4	43
30	Apolipoprotein B and triacylglycerol secretion in human triacylglycerol hydrolase transgenic mice. *Journal of Lipid Research*, **2007**, 48, 2597-606	6.3	43
29	Proteomic and lipid characterization of apolipoprotein B-free luminal lipid droplets from mouse liver microsomes: implications for very low density lipoprotein assembly. *Journal of Biological Chemistry*, **2007**, 282, 33218-26	5.4	65

28	Mutation of F417 but not of L418 or L420 in the lipid binding domain decreases the activity of triacylglycerol hydrolase. *Journal of Lipid Research*, **2006**, 47, 375-83	6.3	15
27	Insulin, glucagon and fatty acid treatment of hepatocytes does not result in phosphorylation or changes in activity of triacylglycerol hydrolase. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2005**, 1736, 189-99	5	7
26	Techniques to measure lipase and esterase activity in vitro. *Methods*, **2005**, 36, 139-47	4.6	125
25	C/EBPalpha activates the transcription of triacylglycerol hydrolase in 3T3-L1 adipocytes. *Biochemical Journal*, **2005**, 388, 959-66	3.8	14
24	Triacylglycerol hydrolase is localized to the endoplasmic reticulum by an unusual retrieval sequence where it participates in VLDL assembly without utilizing VLDL lipids as substrates. *Molecular Biology of the Cell*, **2005**, 16, 984-96	3.5	63
23	Enhanced membrane fusion in sterol-enriched vacuoles bypasses the Vrp1p requirement. *Molecular Biology of the Cell*, **2004**, 15, 4609-21	3.5	22
22	ABCA1-dependent lipid efflux to apolipoprotein A-I mediates HDL particle formation and decreases VLDL secretion from murine hepatocytes. *Journal of Lipid Research*, **2004**, 45, 1122-31	6.3	73
21	Carboxylesterase 3 (EC 3.1.1.1) is a major adipocyte lipase. *Journal of Biological Chemistry*, **2004**, 279, 40683-9	5.4	122
20	The physiological role of triacylglycerol hydrolase in lipid metabolism. *Reviews in Endocrine and Metabolic Disorders*, **2004**, 5, 303-9	10.5	18
19	Calmodulin antagonist W-7 inhibits de novo synthesis of cholesterol and suppresses secretion of de novo synthesized and preformed lipids from cultured hepatocytes. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2004**, 1682, 92-101	5	16
18	Regulation of the enzymes of hepatic microsomal triacylglycerol lipolysis and re-esterification by the glucocorticoid dexamethasone. *Biochemical Journal*, **2004**, 378, 967-74	3.8	105
17	Membrane topography of human phosphatidylethanolamine N-methyltransferase. *Journal of Biological Chemistry*, **2003**, 278, 2956-62	5.4	34
16	Regulation of triacylglycerol hydrolase expression by dietary fatty acids and peroxisomal proliferator-activated receptors. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2003**, 1635, 20-8	5	26
15	Inhibitors of hepatic microsomal triacylglycerol hydrolase decrease very low density lipoprotein secretion. *FASEB Journal*, **2003**, 17, 1685-7	0.9	95
14	Structure-function analysis of human triacylglycerol hydrolase by site-directed mutagenesis: identification of the catalytic triad and a glycosylation site. *Biochemistry*, **2002**, 41, 6679-87	3.2	32
13	Heterologous expression, purification, and characterization of human triacylglycerol hydrolase. *Protein Expression and Purification*, **2002**, 24, 33-42	2	31
12	A role for Sp1 in the transcriptional regulation of hepatic triacylglycerol hydrolase in the mouse. *Journal of Biological Chemistry*, **2001**, 276, 25621-30	5.4	13
11	The cloning and expression of a murine triacylglycerol hydrolase cDNA and the structure of its corresponding gene. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2001**, 1532, 162-72	5	70

10	Intestinal Synthesis of Triacylglycerols **2001**, 185-213		5
9	Subcellullar localization, developmental expression and characterization of a liver triacylglycerol hydrolase. *Biochemical Journal*, **1999**, 338, 761-768	3.8	81
8	Cloning and expression of a cDNA encoding a hepatic microsomal lipase that mobilizes stored triacylglycerol. *Biochemical Journal*, **1999**, 343, 1-10	3.8	110
7	Subcellullar localization, developmental expression and characterization of a liver triacylglycerol hydrolase. *Biochemical Journal*, **1999**, 338, 761	3.8	23
6	Cloning and expression of a cDNA encoding a hepatic microsomal lipase that mobilizes stored triacylglycerol. *Biochemical Journal*, **1999**, 343, 1	3.8	44
5	Purification and characterization of a porcine liver microsomal triacylglycerol hydrolase. *Biochemistry*, **1997**, 36, 1861-8	3.2	106
4	Biosynthesis of triacylglycerols. *Progress in Lipid Research*, **1996**, 35, 169-201	14.3	246
3	Triacylglycerol synthesis by purified triacylglycerol synthetase of rat intestinal mucosa. Role of acyl-CoA acyltransferase. *Journal of Biological Chemistry*, **1995**, 270, 13630-6	5.4	47
2	Stereospecificity of monoacylglycerol and diacylglycerol acyltransferases from rat intestine as determined by chiral phase high-performance liquid chromatography. *Lipids*, **1993**, 28, 29-34	1.6	37
1	Utilization of 2-monoacylglycerols for phosphatidylcholine biosynthesis in the intestine. *Lipids and Lipid Metabolism*, **1992**, 1125, 171-9		23