

Curriculum vitae

Susanne Mandrup

Center for Functional Genomics and Tissue Plasticity (ATLAS)
Center for Adipocyte Signaling (ADIPOSIGN)
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Personal information

Year of birth 1962
Nationality Danish
Family status Married. Two children born 1989 and 1992
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Susanne Mandrup is Director of the Center of Excellence in Functional Genomics and Tissue Plasticity (<https://www.sdu.dk/en/atlas>) and the Center of Adipocyte Signaling (www.sdu.dk/adiposign) and heads the Functional Genomics and Metabolism Research Unit (www.sdu.dk/bmb/functionalgenomics). Her own group (<http://www.sdu.dk/mandrupgroup>) focuses on understanding the transcriptional networks regulating differentiation and function of adipocytes as well as cellular plasticity of the adipose tissue and the endocrine pancreas in obesity. Her group has contributed significantly to the current understanding of the interplay between transcription factors, chromatin and metabolism in the regulation of gene expression, in particular during adipocyte differentiation and function.

Education

1988 Master of Science in Molecular Biology, Odense University
1992 PhD in Biochemistry, Odense University

Employments

(Maternity leave 6 months in 1989-90 and 6 months in 1992-93)

1992-95 Post doc at Dept. Biochemistry and Dept. Molecular Biology, Odense University
1995-96 Post doc in Prof. M. Daniel Lane's lab, Johns Hopkins University, Baltimore, USA
1996-99 Assistant Professor Dept. Molecular Biology, Odense University
1999-2008 Associate Professor Dept. Biochemistry and Molecular Biology, SDU
2008- Professor Dept. Biochemistry and Molecular Biology, SDU

Professional courses

2006-07 Course in research management, Copenhagen Business School

Awards and honors

1994 The Simon Spies Foundation's Natural Science Research Prize
2007 Marie Lønggaard's Award for excellence in research and teaching
2018 Lorem ipsum dolor sit amet
2012 Niels Schwartz Sørensen Award for Diabetes Research
2012 Recipient of Sapere Aude Advanced Grant
2013 Member of AcademiaNet – Expert Database for Outstanding Female Scientists and Scholars
2014 Member of Academia Europaea
2015 Portrayed by Cell Metabolism as one of the leading female scientists in metabolism
2015 Recipient of the Advanced Grant from the Novo Nordisk Foundation
2016 Member of the Royal Danish Academy of Sciences and Letters
2016 Adjunct Professor, Molecular & Integrative Physiology, University of Michigan

2017	Novo Nordisk Foundation Lecture & Award
2017	Member of European Molecular Biology Organization (EMBO)
2017	Recipient of Danish National Research Foundation grant to establish Center of Excellence
2018	Recipient of Novo Nordisk Foundation grant to establish Center for Adipocyte Signaling
2019	Knight of the Order of Dannebrog

Commissions of trust

2000-2005	Executive board of the Danish Society for Biochemistry and Molecular Biology
2003-2012	Co-founder and member of the executive board of the Danish PhD school of Metabolism
2005-2010	Danish Natural Science Research Council
2008-2016	National Bibliometric Group for Molecular Biology, Cell Biology and Biotechnology
2009-2016	Medical and Natural Science Committee, the Novo Nordisk Foundation
2012-2017	Member of the Council and the Research Committee of the Danish Diabetes Academy
2013-2014	ERC LS2 Starting Grant panel
2015-2017	Chair of ERC LS2 Consolidator Grant panel
2016-	Head of Functional Genomics and Metabolism Research Unit, SDU
2016-	Chair of Biochemistry and Molecular Biology, Danish Institute for Advanced Study
2017-2018	Chair of Committee on Bioscience and Basic Biomedicine, the Novo Nordisk Foundation
2017-2018	Committee on International Research Leader Grants, the Novo Nordisk Foundation
2018-	Committee on Young Investigator Grants, Villum Foundation
2019-	EMBO Membership Committee

Major local academic committees

2004-2010	Chairman of the PhD Study Committee at Dept. of Biochemistry and Molecular Biology
2004-2010	PhD Study Board of Natural Science
2009-2012	Academic Council, Faculty of Natural Science
2018	Management Group, Dept. Biochemistry and Molecular Biology

Current Editorial and Advisory Boards

2011-	Editorial Board of Trends in Endocrinology and Metabolism
2011-	Editorial Board of Cell Reports
2013-	Editorial Board of Molecular and Cellular Biology
2019-	Editorial Board of Diabetes
2019-	Editorial Board PLOS Biology
2012-	Scientific Advisory Board of the European Genomics Institute for Diabetes, Lille, France
2019-	Scientific Advisory Committee Department of Biosciences, University of Oslo

Ad hoc international evaluation tasks and referee work

Expert scientific evaluator for ERC, EC FP6, FP7 and H2020 programs, European Foundation for the Study of Diabetes, National Institute of Health, the Finnish Academy of Science, the Norwegian Research Council, the Swiss National Fund, the French Medical Research Council, Biotechnology and Biological Science Council, UK, and the Dutch Diabetes Fond.

Member of >40 PhD and faculty position evaluation committees in Denmark, Norway, Sweden, France, and the Netherlands.

Referee work for several journals including: Nature, Nature Med., Science, Cell, Molecular Cell, Cell Metabolism, PNAS, Genes & Dev., Genome Res., J. Clin. Invest., Diabetes, Mol Syst. Biol. etc

Major international and national research consortia

X-TRA-NET an EU FP6 STREP (2005-2009), role: coordinator

MitoHealth a Nordic Center of Excellence (2007-2013), role: member of executive board

AtheroRemo, an EU FP7 large-scale project (2008-2013), role: partner

PATHWAY-27 (<http://www.pathway27.eu/>), EU FP7 large-scale project (2013-2018), role: partner

The Danish Diabetes Academy (<http://www.danishdiabetesacademy.dk/>) supported by the Novo Nordisk Foundation

(2012-2017), role: member of the Council and the Research Committee

Villum Center for Bioanalytical Sciences. Major instrumentation center at SDU, role: partner

Center of Excellence in Functional Genomics and Tissue Plasticity (2017-2023), role: director

Center for Adipocyte Signaling (2019-2025), role: director

ENHPATHY H2020 ITN (2019-2023), role: WP leader

Adjunct/visiting professors hosted by group

Gordon Hager, Center Director, NCI, NIH, Bethesda, MD, US (H.C. Andersen Visiting Professor 2014-17)

Ormond MacDougald, University of Michigan, Ann Arbor, US (Adjunct Professor 2016-)

James G. Granneman, Wayne State University, Detroit, US (Visiting Professor 2017)

M. Madan Babu, MRC Laboratory for Molecular Biology, Cambridge, UK (Adjunct Professor 2018-)

Recent international meetings

> **175 invited lectures** in Europe, Asia, and USA, including >80 major international meetings (Keystone, CSHL, EMBO etc) in the field of transcriptional regulation, metabolism and adipocyte differentiation.

Organizer of 16 major international meetings (EMBO, Cold Spring Harbor, Cell Symposia etc) since 2010.

Educational activities

Principal supervisor since 1999 of: 20 postdocs, 38 PhD, 57 master and 89 bachelor students.

Publications (ORCID: 0000-0002-0961-5787)

1. Mandrup, S., Højrup, P., Kristiansen, K., & Knudsen, J. (1991). Gene synthesis, expression in *Escherichia coli*, purification and characterization of the recombinant bovine acyl-CoA-binding protein. *The Biochemical journal*, *276* (Pt 3), 817-823. <https://doi.org/10.1042/bj2760817>
2. Hansen, H. O., Andreasen, P. H., Mandrup, S., Kristiansen, K., & Knudsen, J. (1991). Induction of acyl-CoA-binding protein and its mRNA in 3T3-L1 cells by insulin during preadipocyte-to-adipocyte differentiation. *The Biochemical journal*, *277* (Pt 2), 341-344. <https://doi.org/10.1042/bj2770341>
3. Andersen, K. V., Ludvigsen, S., Mandrup, S., Knudsen, J., & Poulsen, F. M. (1991). The secondary structure in solution of acyl-coenzyme A binding protein from bovine liver using ¹H nuclear magnetic resonance spectroscopy. *Biochemistry*, *30*(44), 10654-63. <https://doi.org/10.1021/bi00108a008>
4. Mandrup, S., Hummel, R., Ravn, S., Jensen, G., Andreasen, P. H., Gregersen, N., Knudsen, J., & Kristiansen, K. (1992). Acyl-CoA-binding protein/diazepam-binding inhibitor gene and pseudogenes: A typical housekeeping gene family. *Journal of Molecular Biology*, *228*(3), 1011-1022. [https://doi.org/10.1016/0022-2836\(92\)90888-Q](https://doi.org/10.1016/0022-2836(92)90888-Q)
5. Mandrup, S., Andreasen, P. H., Knudsen, J., & Kristiansen, K. (1993). Genome organization and expression of the rat ACBP gene family. *Molecular and Cellular Biochemistry*, *123*(1-2), 55-61. <https://doi.org/10.1007/BF01076475>
6. Mandrup, S., Jepsen, R., Skøtt, H., Rosendal, J., Højrup, P., Kristiansen, K., & Knudsen, J. (1993). Effect of heterologous expression of acyl-CoA-binding protein on acyl-CoA level and composition in yeast. *Biochemical Journal*, *290*(2), 369-374. <https://doi.org/10.1042/bj2900369>
7. Knudsen, J., Mandrup, S., Rasmussen, J. T., Andreasen, P. H., Poulsen, F., & Kristiansen, K. (1993). The function of acyl-CoA-binding protein (ACBP)/diazepam binding inhibitor (DBI). *Molecular and Cellular Biochemistry*, *123*(1-2), 129-138. <https://doi.org/10.1007/bf01076484>
8. Hwang, C. S., Mandrup, S., MacDougald, O. A., Geiman, D. E., & Lane, M. D. (1996). Transcriptional activation of the mouse obese (ob) gene by CCAAT/enhancer binding protein alpha. *Proceedings of the National Academy of Science of the United States of America*, *93*(2), 873-877. <https://doi.org/10.1073/pnas.93.2.873>
9. Elholm, M., Bjerking, G., Knudsen, J., Kristiansen, K., & Mandrup, S. (1996). Regulatory elements in the promoter region of the rat gene encoding the acyl-CoA-binding protein. *Gene*, *173*(2), 233-238. [https://doi.org/10.1016/0378-1119\(96\)00213-2](https://doi.org/10.1016/0378-1119(96)00213-2)
10. Hwang, C. S., Loftus, T. M., Mandrup, S., & Lane, M. D. (1997). Adipocyte differentiation and leptin expression. *Annual Review of Cell and Developmental Biology*, *13*, 231-259. <https://doi.org/10.1146/annurev.cellbio.13.1.231>
11. Mandrup, S., & Lane, M. D. (1997). Regulating adipogenesis. *Journal of Biological Chemistry*, *272*(9), 5367-5370. <https://doi.org/10.1074/jbc.272.9.5367>

12. Mandrup, S., Loftus, T. M., MacDougald, O. A., Kuhajda, F. P., & Lane, M. D. (1997). Obese gene expression at in vivo levels by fat pads derived from s.c. implanted 3T3-F442A preadipocytes. *Proceedings of the National Academy of Science of the United States of America*, *94*(9), 4300-4305. <https://doi.org/10.1073/pnas.94.9.4300>
13. Mandrup, S., Sorensen, R. V., Helledie, T., Nohr, J., Baldursson, T., Gram, C., Knudsen, J., & Kristiansen, K. (1998). Inhibition of 3T3-L1 adipocyte differentiation by expression of acyl-CoA-binding protein antisense RNA. *Journal of Biological Chemistry*, *273*(37), 23897-2903. <https://doi.org/10.1074/jbc.273.37.23897>
14. Kussmann-Gerber, S., Kratchmarova, I., Mandrup, S., & Kristiansen, K. (1999). Microaffinity columns for analysis of protein-protein interactions. *Analytical Biochemistry*, *271*(1), 102-105. <https://doi.org/10.1006/abio.1999.4117>
15. Helledie, T., Antonius, M., Sorensen, R. V., Hertzler, A. V., Bernlohr, D. A., Kølvrå, S., Kristiansen, K., & Mandrup, S. (2000). Lipid-binding proteins modulate ligand-dependent trans-activation by peroxisome proliferator-activated receptors and localize to the nucleus as well as the cytoplasm. *Journal of Lipid Research*, *41*(11), 1740-1751.
16. Elholm, M., Dam, I., Jorgensen, C., Krogsdam, A. M., Holst, D., Kratchmarova, I., Gottlicher, M., Gustafsson, J. A., Berge, R., Flatmark, T., Knudsen, J., Mandrup, S., & Kristiansen, K. (2001). Acyl-CoA esters antagonize the effects of ligands on peroxisome proliferator-activated receptor alpha conformation, DNA binding, and interaction with Co-factors. *Journal of Biological Chemistry*, *276*(24), 21410-16. <https://doi.org/10.1074/jbc.M101073200>
17. Macdougald, O. A., & Mandrup, S. (2002). Adipogenesis: forces that tip the scales. *Trends in Endocrinology and Metabolism*, *13*(1), 5-11. [https://doi.org/10.1016/S1043-2760\(01\)00517-3](https://doi.org/10.1016/S1043-2760(01)00517-3)
18. Jørgensen, C., Krogsdam, A-M., Kratchmarova, I., Willson, T. M., Knudsen, J., Mandrup, S., & Kristiansen, K. (2002). Opposing effects of fatty acids and acyl-CoA esters on conformation and cofactor recruitment of peroxisome proliferator-activated receptors. *Annals of the New York Academy of Sciences*, *967*(1), 431-439. <https://doi.org/10.1111/j.1749-6632.2002.tb04299.x>
19. Madsen, L., Guerre-Millo, M., Flindt, E. N., Berge, K., Tronstad, K. J., Bergene, E., Sebokova, E., Rustan, A. C., Jensen, J., Mandrup, S., Kristiansen, K., Klimes, I., Staels, B., & Berge, R. K. (2002). Tetradecylthioacetic acid prevents high fat diet induced adiposity and insulin resistance. *Journal of Lipid Research*, *43*(5), 742-750.
20. Helledie, T., Grøntved, L., Jensen, S. S., Kiilerich, P., Rietveld, L., Albrektsen, T., Boysen, M. S., Nøhr, J., Larsen, L. K., Fleckner, J., Stunnenberg, H. G., Kristiansen, K., & Mandrup, S. (2002). The gene encoding the Acyl-CoA-binding protein is activated by peroxisome proliferator-activated receptor gamma through an intronic response element functionally conserved between humans and rodents. *Journal of Biological Chemistry*, *277*(30), 26821-30. <https://doi.org/10.1074/jbc.M111295200>
21. Krogsdam, A-M., Nielsen, C. A. F., Neve, S., Holst, D., Helledie, T., Thomsen, B., Bendixen, C., Mandrup, S., & Kristiansen, K. (2002). Nuclear receptor corepressor-dependent repression of peroxisome-proliferator-activated receptor δ -mediated transactivation. *Biochemical Journal*, *363*(Pt 1), 157-165. <https://doi.org/10.1042/bj3630157>
22. Larsen, L. K., Amri, E-Z., Mandrup, S., Pacot, C., & Kristiansen, K. (2002). Genomic organization of the mouse peroxisome proliferator-activated receptor β/δ gene: alternative promoter usage and splicing yield transcripts exhibiting differential translational efficiency: Alternative promoter usage and splicing yield transcripts exhibiting differential translational efficiency. *Biochemical Journal*, *366*(Pt 3), 767-775. <https://doi.org/10.1042/BJ20011821>
23. Zhang, H., Nøhr, J., Jensen, C. H., Petersen, R. K., Bachmann, E., Teisner, B., Larsen, L. K., Mandrup, S., & Kristiansen, K. (2003). Insulin like growth factor-1/insulin bypasses Pref-1/FA1-mediated inhibition of adipocyte differentiation. *Journal of Biological Chemistry*, *278*(23), 20906-14. <https://doi.org/10.1074/jbc.M300022200>
24. Winzell, M. S., Svensson, H., Enerbäck, S., Ravnskjaer, K., Mandrup, S., Esser, V., Arner, P., Alves-Guerra, M-C., Miroux, B., Sundler, F., Ahrén, B., & Holm, C. (2003). Pancreatic beta-cell lipotoxicity induced by overexpression of hormone-sensitive lipase. *Diabetes*, *52*(8), 2057-65. <https://doi.org/10.2337/diabetes.52.8.2057>
25. Fontaine, C., Dubois, G., Duguay, Y., Helledie, T., Vu-Dac, N., Gervois, P., Soncin, F., Mandrup, S., Fruchart, J-C., Fruchart-Najib, J., & Staels, B. (2003). The orphan nuclear receptor Rev-Erba α is a peroxisome proliferator-activated receptor (PPAR) gamma target gene and promotes PPARgamma-induced adipocyte differentiation. *Journal of Biological Chemistry*, *278*(39), 37672-80. <https://doi.org/10.1074/jbc.M304664200>
26. Brown, J. M., Boysen, M. S., Jensen, S. S., Morrison, R. F., Storkson, J., Lea-Currie, R., Pariza, M., Mandrup, S., & McIntosh, M. K. (2003). Isomer-specific regulation of metabolism and PPAR γ signaling by CLA in human preadipocytes. *Journal of Lipid Research*, *44*(7), 1287-3000. <https://doi.org/10.1194/jlr.M300001-JLR200>
27. Lindgren, E. M., Nielsen, R., Petrovic, N., Jacobsson, A., Mandrup, S., Cannon, B., & Nedergaard, J. (2004). Noradrenaline represses PPAR (peroxisome-proliferator-activated receptor) γ 2 gene expression in brown adipocytes: intracellular signalling and effects on PPAR γ 2 and PPAR γ 1 protein levels. *Biochemical Journal*, *382*(Pt 2), 597-606. <https://doi.org/10.1042/BJ20031622>
28. Rishi, V., Gal, J., Krylov, D., Fridriksson, J., Boysen, M. S., Mandrup, S., & Vinson, C. (2004). SREBP-1 dimerization specificity maps to both the helix-loop-helix and leucine zipper domains: use of a dominant negative. *Journal of Biological Chemistry*, *279*(12), 11863-11874. <https://doi.org/10.1074/jbc.M308000200>
29. Brown, J. M., Boysen, M. S., Chung, S., Fabiyi, O., Morrison, R. F., Mandrup, S., & McIntosh, M. K. (2004). Conjugated linoleic acid induces human adipocyte delipidation: autocrine/paracrine regulation of MEK/ERK signaling by adipocytokines. *Journal of Biological Chemistry*, *279*(25), 26735-26747. <https://doi.org/10.1074/jbc.M401766200>

30. Ravnskjær, K., Børgesen, M., Rubi, B., Larsen, J. K., Nielsen, T., Fridriksson, J., Maechler, P., & Mandrup, S. (2005). PPAR α potentiates whereas PPAR γ attenuates glucose-stimulated insulin secretion in pancreatic β -cells. *Endokrinologija*, *146*, 3266-3276.
31. Sandberg, M. B., Bloksgaard, M., Duran-Sandoval, D., Duval, C., Staels, B., & Mandrup, S. (2005). The Gene Encoding Acyl-CoA-binding Protein Is Subject to Metabolic Regulation by Both Sterol Regulatory Element-binding Protein and Peroxisome Proliferator-activated Receptor α in Hepatocytes. *Journal of Biological Chemistry*, *280*(7), 5258-5266. <https://doi.org/10.1074/jbc.M407515200>
32. Ravnskjær, K., Boergesen, M., Rubi, B., Larsen, J. K., Nielsen, T., Fridriksson, J., Maechler, P., & Mandrup, S. (2005). Peroxisome proliferator-activated receptor alpha (PPAR α) potentiates, whereas PPAR γ attenuates, glucose-stimulated insulin secretion in pancreatic beta-cells. *Endocrinology*, *146*(8), 3266-76. <https://doi.org/10.1210/en.2004-1430>
33. Sandberg, M. B., Fridriksson, J., Madsen, L., Rishi, V., Vinson, C., Holmsen, H., Berge, R. K., & Mandrup, S. (2005). Glucose-induced lipogenesis in pancreatic β -cells is dependent on SREBP-1. *Molecular and Cellular Endocrinology*, *240*(1-2), 94-106. <https://doi.org/10.1016/j.mce.2005.05.005>
34. Nielsen, R., Grøntved, L., Stunnenberg, H. G., & Mandrup, S. (2006). Peroxisome proliferator-activated receptor subtype- and cell-type-specific activation of genomic target genes upon adenoviral transgene delivery. *Molecular and Cellular Biology*, *26*(15), 5698-5714. <https://doi.org/10.1128/MCB.02266-05>
35. Neess, D., Kiilerich, P., Sandberg, M. B., Helledie, T., Nielsen, R., & Mandrup, S. (2006). ACBP - a PPAR and SREBP modulated housekeeping gene. *Molecular and Cellular Biochemistry*, *284*(1-2), 149-157. <https://doi.org/10.1007/s11010-005-9039-9>
36. Ravnskjær, K., Børgesen, M., Dalgaard, L. T., & Mandrup, S. (2006). Glucose-induced repression of PPAR α gene expression in pancreatic β -cells involves PP2A activation and AMPK inactivation. *Journal of Molecular Endocrinology*, *36*(2), 289-299. <https://doi.org/10.1677/jme.1.01965>
37. Qiu, W., Andersen, T., Bollerslev, J., Mandrup, S., Abdallah, B., Kassem, M., & Kassem, M. (2007). Patients With High Bone Mass Phenotype Exhibit Enhanced Osteoblast Differentiation and Inhibition of Adipogenesis of Human Mesenchymal Stem Cells. *Journal of Bone and Mineral Research*, *22*(11), 1720-1731. <https://doi.org/10.1359/jbmr.070721>
38. Pedersen, T. A., Bereshchenko, O., Garcia-Silva, S., Ermakova, O., Kurz, E., Mandrup, S., Porse, B. T., & Nerlov, C. (2007). Distinct C/EBP alpha motifs regulate lipogenic and gluconeogenic gene expression in vivo. *EMBO Journal*, *26*(4), 1081-1093. <https://doi.org/10.1038/sj.emboj.7601563>
39. Hollegaard, M. V., Grove, J., Thorsen, P., Wang, X., Mandrup, S., Christiansen, M., Norgaard-Pedersen, B., Wojdemann, K. R., Tabor, A., Attermann, J., & Hougaard, D. M. (2008). Polymorphisms in the tumor necrosis factor alpha and interleukin 1-beta promoters with possible gene regulatory functions increase the risk of preterm birth. *Acta Obstetrica et Gynecologica Scandinavica*, *87*(12), 1285-1290. <https://doi.org/10.1080/00016340802468340>
40. van Beekum, O., Brenkman, A. B., Grøntved, L., Hamers, N., van den Broek, N. J. F., Berger, R., Mandrup, S., & Kalkhoven, E. (2008). The adipogenic acetyltransferase Tip60 targets activation function 1 of peroxisome proliferator-activated receptor gamma. *Endocrinology*, *149*(4), 1840-1849. <https://doi.org/10.1210/en.2007-0977>
41. Nielsen, R., Pedersen, T. A., Hagenbeek, D., Moulos, P., Siersbaek, R., Megens, E., Denissov, S., Børgesen, M., Francoijs, K.-J., Mandrup, S., & Stunnenberg, H. G. (2008). Genome-wide profiling of PPAR γ :RXR and RNA polymerase II occupancy reveals temporal activation of distinct metabolic pathways and changes in RXR dimer composition during adipogenesis. *Genes & Development*, *22*(21), 2953-2967. <https://doi.org/10.1101/gad.501108>
42. Frigerio, F., Brun, T., Bartley, C., Usardi, A., Bosco, D., Ravnskjær, K., Mandrup, S., & Maechler, P. (2009). Peroxisome proliferator-activated receptor alpha (PPAR α) protects against oleate-induced INS-1E beta cell dysfunction by preserving carbohydrate metabolism. *Diabetologia*, *53*(2), 331-340. <https://doi.org/10.1007/s00125-009-1590-6>
43. Carobbio, S., Frigerio, F., Rubi, B., Vetterli, L., Mølgaard, M. B., Gjinovci, A., Pournourmohammad, S., Herrera, P. L., Reith, W., Mandrup, S., & Maechler, P. (2009). Deletion of Glutamate Dehydrogenase in β -Cells Abolishes Part of the Insulin Secretory Response Not Required for Glucose Homeostasis. *Journal of Biological Chemistry*, *284*(2), 921-929. <https://doi.org/10.1074/jbc.M806295200>
44. Pozzi, S., Boergesen, M., Sinha, S., Mandrup, S., & Mantovani, R. (2009). Peroxisome Proliferator-Activated Receptor-alpha Is a Functional Target of p63 in Adult Human Keratinocytes. *Journal of Investigative Dermatology*, *129*, 2376-2385. <https://doi.org/10.1038/jid.2009.92>
45. Bugge, A. S., Grøntved, L., Aagaard, M. M., Borup, R., & Mandrup, S. (2009). The PPAR γ 2 A/B-domain plays a gene-specific role in transactivation and cofactor recruitment. *Molecular Endocrinology*, *23*(6), 794-808. <https://doi.org/10.1210/me.2008-0236>
46. Raff, M., Tholstrup, T., Toubro, S., Bruun, J. M., Lund, P., Straarup, E. M., Christensen, R., Sandberg, M. B., & Mandrup, S. (2009). Conjugated Linoleic Acids Reduce Body Fat in Healthy Postmenopausal Women. *Journal of Nutrition*, *139*(7), 1347-1352. <https://doi.org/10.3945/jn.109.104471>

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48. Jenning, E. H., Bugge, A. S., Nielsen, R., Kersten, S., Hamers, N., Dani, C., Wabitsch, M., Berger, R., Stunnenberg, H. G., Mandrup, S., & Kalkhoven, E. (2009). PPAR{gamma} regulates expression of the anti-lipolytic G-protein-coupled receptor 81 (GPR81/Gpr81). *Journal of Biological Chemistry*, 284(39), 26385-26393. <https://doi.org/10.1074/jbc.M109.040741>
49. Mandrup, S., & Bugge, A. S. (2010). Molecular Mechanisms and Genome-Wide Aspects of PPAR Subtype Specific Transactivation. *PPAR Research*, 2010, [169506]. <https://doi.org/10.1155/2010/169506>
50. Ravnskjaer, K., Frigerio, F., Boergesen, M., Nielsen, T., Maechler, P., & Mandrup, S. (2010). PPAR{delta} is a fatty acid sensor, which enhances mitochondrial oxidation in insulin: secreting cells and protects against fatty acid induced dysfunction. *Journal of Lipid Research*, 51(6), 1370-1379. <https://doi.org/10.1194/jlr.M001123>
51. Rauwel, B., Mariamé, B., Martin, H., Nielsen, R., Allart, S., Pipy, B., Mandrup, S., Devignes, M. D., Evain-Brion, D., Fournier, T., & Davrinche, C. (2010). Activation of PPAR{gamma} by Human Cytomegalovirus for de novo Replication Impairs Migration and Invasiveness of Cytotrophoblast from Early Placenta. *Journal of Virology*, 84(6), 2946-2954. <https://doi.org/10.1128/JVI.01779-09>
52. Kennedy, A., Martinez, K., Schmidt, S., Mandrup, S., LaPoint, K., & McIntosh, M. (2010). Antiobesity mechanisms of action of conjugated linoleic acid. *The Journal of Nutritional Biochemistry*, 21(3), 171-9. <https://doi.org/10.1016/j.jnutbio.2009.08.003>
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