



Curriculum Vitae

Torsten Meldgaard Madsen MD

H. Lundbeck A/S

Divisional Director of International Clinical Research Mood & Anxiety Disorders

Education

Year	Education	Education institution
1993	Diploma in Medical Research	Arhus University
1996	Medical Doctor	Copenhagen University
2000	Ph.d.	Copenhagen University

Professional Experience

Period	Position / Company / Major responsibilities
2009-	Divisional Director / H. Lundbeck A/S / Mood & Anxiety Disorders
2006-2009	Head of Department / H. Lundbeck A/S / Mood & Anxiety Disorders
2003-2006	Resident physician / Arhus University Hospital / Psychiatry
2001-2003	Postdoctoral Associate / Yale University / Dept of Molecular Psychiatry
1999-2001	Clinical rotation / Herlev Hospital / Several Departments

1996-1999 Research Fellow / Rigs Hospital/ Psychiatric Department

Supplementary Education / Training

Year	Activity	Organized by
2004-2006	Psychotherapy Course	Danish Psychiatry Society
2003-2006	Course series for residents in psychiatry	Danish Psychiatry Society

Membership of Professional Societies

Year	Society
1996-present	Danish Medical Association
1996-present	Society for Neuroscience
1996-present	Danish Society for Neuroscience
2003-present	Danish Psychiatric Society (served as board member 2005-6)
2003-present	Danish and World Society of Biological Psychiatry (Board member of the Danish Society 2004-present)
2007-present	DIA (Global, multidisciplinary association of academicians and pharmaceutical industry)

Publication / Presentation

Year	Publication
	Chen F, Madsen TM , Wegener G, Nyengaard JR. Imipramine treatment increases the number of hippocampal synapses and neurons in a genetic animal model of depression. <i>Hippocampus</i> 2009;20(12):1376-84.
	Chen F, Madsen TM , Wegener G, Nyengaard JR. Repeated electroconvulsive

seizures increase the total number of synapses in adult male rat hippocampus. *Eur Neuropsychopharmacol* 2009;19(5):329-38.

Warner-Schmidt JL, **Madsen TM**, Duman RS. Electroconvulsive seizure restores neurogenesis and hippocampus-dependent fear memory after disruption by irradiation. *Eur J Neurosci* 2008;27(6):1485-93.

Chen F, **Madsen TM**, Wegener G, Nyengaard JR. Changes in rat hippocampal CA1 synapses following imipramine treatment. *Hippocampus* 2008;18(7):631-9.

Bolwig TG, **Madsen TM**. Electroconvulsive therapy in melancholia: the role of hippocampal neurogenesis. *Acta Psychiatr Scand Suppl* 2007;(433):130-5.

Madsen TM, Bolwig TG, Mikkelsen JD. Differential regulation of c-Fos and FosB in the rat brain after amygdala kindling. *Cell Mol Neurobiol* 2006;26(1):87-100.

Madsen TM, Yeh DD, Valentine GW, Duman RS. Electroconvulsive seizure treatment increases cell proliferation in rat frontal cortex. *Neuropsychopharmacology* 2005;30(1):27-34.

Link WA, Ledo F, Torres B, Palczewska M, **Madsen TM**, Savignac M, et al. Day-night changes in downstream regulatory element antagonist modulator/potassium channel interacting protein activity contribute to circadian gene expression in pineal gland. *J Neurosci* 2004;24(23):5346-55.

Chen J, Newton SS, Zeng L, Adams DH, Dow AL, **Madsen TM**, et al.
Downregulation of the CCAAT-enhancer binding protein beta in deltaFosB
transgenic mice and by electroconvulsive seizures. *Neuropsychopharmacology*
2004;29(1):23-31.

Madsen TM, Newton SS, Eaton ME, Russell DS, Duman RS. Chronic
electroconvulsive seizure up-regulates beta-catenin expression in rat hippocampus:
role in adult neurogenesis. *Biol Psychiatry* 2003;54(10):1006-14.

Altar CA, Whitehead RE, Chen R, Wortwein G, **Madsen TM**. Effects of
electroconvulsive seizures and antidepressant drugs on brain-derived
neurotrophic factor protein in rat brain. *Biological Psychiatry* 2003;54(7):703-9.

Madsen TM, Kristjansen PEG, Bolwig TG, Wortwein G. Arrested neuronal
proliferation and impaired hippocampal function following fractionated brain
irradiation in the adult rat. *Neuroscience* 2003;119(3):635-43.

Mikkelsen JD, Karle J, **Madsen TM**. Intrahippocampal infusion of antisense
oligodeoxynucleotide to the GABA(A) receptor gamma2 subunit enhances
neuropeptide Y gene expression. *Brain Res Bulletin* 2001;54:91-9.

Madsen TM, Treschow A, Bengzon J, Bolwig TG, Lindvall O, Tingström A.
Increased neurogenesis in a model of electroconvulsive therapy. *Biol Psychiatry*
2000;47(12):1043-9.

Madsen TM, Greisen MH, Nielsen SM, Bolwig TG, Mikkelsen JD.

Electroconvulsive stimuli enhance both neuropeptide Y receptor Y1 and Y2 messenger RNA expression and levels of binding in the rat hippocampus.

Neuroscience 2000;98(1):33-9.

Madsen TM, Woldbye DP, Bolwig TG, Mikkelsen JD. Kainic acid seizure suppression by neuropeptide Y is not correlated to immediate early gene mRNA levels in rats. Neurosci Lett 1999;271(1):21-4.

Ulrichsen J, Woldbye DP, **Madsen TM**, Clemmesen L, Haugbøl S, Olsen CH, et al. Electrical amygdala kindling in alcohol-withdrawal kindled rats. Alcohol Alcohol 1998;33(3):244-54.

Woldbye DP, Klemp K, **Madsen TM**. Neuropeptide Y attenuates naloxone-precipitated morphine withdrawal via Y5-like receptors. J Pharmacol Exp Ther 1998;284(2):633-6.

Woldbye DP, Larsen PJ, Mikkelsen JD, Klemp K, **Madsen TM**, Bolwig TG. Powerful inhibition of kainic acid seizures by neuropeptide Y via Y5-like receptors. Nat Med 1997;3(7)761-4.

Woldbye DPD, **Madsen TM**, Larsen PJ, Mikkelsen JD, Bolwig TG. Neuropeptide Y inhibits hippocampal seizures and wet dog shakes. Brain Res 1996;737(1-2):162-8.

McNulty JA, **Madsen TM**, Tsai SY, Fox LM, Tonder N. Regulation of synaptic ribbons in rat pineal gland explants by norepinephrine and sympathetic neurons in a co-culture model. *Cell Tissue Res* 1996;283(1):59-66.

McNulty JA, Tsai SY, Fox LM, **Madsen TM**, Silberman S, Tonder N. Neurotrophic effects of the pineal gland: role of non-neuronal cells in co-cultures of the pineal gland and superior cervical ganglia. *J Pineal Res* 1995;19(1):40-50.