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Leiden

The Netherlands

**Nurturing nature : testing the three-hit hypothesis of schizophrenia**  
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**Citation**

Daskalakis, N. (2011, December 8). *Nurturing nature : testing the three-hit hypothesis of schizophrenia*. Retrieved from <https://hdl.handle.net/1887/18195>

Version: Corrected Publisher's Version

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**Note:** To cite this publication please use the final published version (if applicable).

## Abbreviation list

5-HT	5-HydroxyTryptamine (serotonin)	LG	Licking & Grooming
ACTH	AdrenoCorticoTropic Hormone	MCR-2	MelanoCortin Receptor type 2
AFR	Animal Facility Reared	MD	Maternal Deprivation
Aph-1b	Anterior Pharynx defective Homolog 1b	MR	Mineralocorticoid Receptor
APO-gnawing	Apomorphine-induced gnawing	MS	Maternal Separation
APO-SUS	APOmorphine-SUSceptible rats	MSH	Melanocyte Stimulating Hormone
APO-UNSUS	APOmorphine-UNSUSceptible rats	NAc	Nucleus Accumbens
AVP	Arginine VasoPressin	NOVEL SEP	Novel Separated rats
CBG	Corticosteroid-binding globulin	OR	Odds Ratio
CNV	Copy Number Variation	PCP	Phencyclidine
COMT	Catechol-O-MethylTransferase	PFC	PreFrontal Cortex
CORT	Cortisol, Corticosterone	pnd	PostNatal Day
CRH	Corticotropin-Releasing Hormone	POMC	Pro-OpioMelanoCortin
CS	Conditioned stimulus	PPF	PrePulse Facilitation of the startle response
DA	Dopamine	PPI	PrePulse Inhibition of the startle response
DR	Dopamine Receptor	PVN	ParaVentricular Nucleus
DSM	Diagnostic Statistical Manual	RR	Relative Risk
EH	Early Handling	SHRP	Stress-HypoResponsive Period
Fos	FBJ osteosarcoma oncogene	SN	Substantia Nigra
GABA	$\gamma$ -AminoButyric Acid	SNP	Single-Nucleotide Polymorphism
GCs	Glucocorticoids	TH	Tyrosine Hydroxylase
GR	Glucocorticoid Receptor	US	Unconditioned stimulus
GWAS	Genome-Wide-Association Study	VTA	Ventral Tegmental Area
HOME SEP	Home Separated rats	WH	Wistar Hannover
HPA-axis	Hypothalamic-Pituitary-Adrenal axis		





## Acknowledgments

To the past members of Kitraki's lab in the University of Athens 2004-2007: Γιώργο, Τζένη (αδελφούλα), Χρίστο, Ολυμπία και Μαρία ήταν χαρά μου να δουλεύω μαζί σας στα ευχάριστα διαλείμματα μου από την Ιατρική!

To present and past members of Medical Pharmacology 2005-2011 for working together in my EU Erasmus project in 2005 and in my PhD project in 2007-2011. We were the last of the Mohicans! A special thanks to Ioannis, Natascha, Sanne, Yves and Wout for enriching my Medical Pharmacology microenvironment and for their friendship. Γιάννη (και Μαρία) σας εύχομαι καλή τύχη με την έρευνα σας και βιον ανθόσπαρτον. Νατάσσα ήμουν πολύ τυχερος που συνυπήρξαμε όλες αυτές τις φορές και για την φιλία σου. Η Νέα Υόρκη μας περιμένει! Sanne my paranimf it was great to work with you. You could cope perfectly with my unpredictability. I think we did a great duet and your defense will be a success! I know you will become a famous writer (eventually even more famous than Christiaan ;)). Yves I wish you the best luck. I know you will succeed using your genuine scientific view. We will see you and Laurie somewhere between Scandinavia, Switzerland and US. Wout, my paranimf, thank you for helping in my endless experiments, for your friendly character and for bringing everyday a flavor from the Pharmacology of the past. I enjoyed working with you and I wish you the best trips with your caravan.

To my students Marjolein, Marika, Wesley, Elisa, Lucia, Stephanie, Kim and Victor for helping with the experiments. I hope you learned something from me and I wish you the best luck in your careers!

To the students and teachers in the PENS summer-schools in Rome and Rhodes: apart from the fun moments, I enjoyed a lot our nice discussions.

To the present and past members of IRTG Trier-Leiden for the nice moments and discussions during the IRTG activities. Special thanks to Hartmut and André for helping me setting-up my human startle experiments and for arranging my visits to Trier.

To the present and past member of the TI Pharma T5-209 project. Special thanks to Niels for all our scientific & non-scientific discussions and for being my roommate in all the TI-Pharma activities (good luck with your defense next year!), Ine for the gnawing box (it was more than useful!), to Michael for all the scientific input and support (complex disorder → complex animal model, right?); to Lex for the warm support on my APO-SUS data (APOSUS rats are very special! especially after some hits); to Gerard, Pekka and Jan for the nice atmosphere in all the meetings (I hope a drug is coming-up!).

To my supervisors (chronologically):

To Efi for trusting a young dreamer and for the continuous support all these years. Ευχαριστώ για όλα που κάνατε για μένα και πού θέσατε ένα πρότυπο επιστημονικής ακεραιότητας.

To Melly for being my first supervisor abroad, paying my first train ticket to a scientific



symposium in 2005 (It was about dreaming) and being there and helping me during my difficult PhD moments. I will be seeing you in all the next EBBS meetings!

To Leo for introducing me to the maternal separation world with such precision.

To Danielle for helping me writing my first scientific report, guiding me the first year of my PhD and supporting me the rest of the years. I am sure you will have a great career in anything you do.

To Ron for wanting to include in his legendary Medical Pharmacology family an unconventional medical doctor from Greece. Beste Ron, bedankt for your supervision and promoting my scientific ideas even when they were very unclear. As you often say perhaps you are the only one who fully[partially :)] understands me. It is amazing how you can be so enthusiastic and energetic after all these years. I hope you can enjoy your sailing trips much more the coming years since you will be receiving significantly less emails from me. I am sure that our scientific dialogue will continue across the Atlantic.

To Alberto for believing in my “three-hit hypothesis” and trusting me to set-up this challenging clinical project in Cushing’s patients. Let’s see if we will accept or reject it. I am sure we will be collaborating the coming years.

To my “new” friends from the Netherlands, Dutch and non-Dutch: Marjolein, Chris, Hakeem, Mimis, Paul, Bart, Max, Pau, Cristina, Javier, Χριστίνα, Firat, Angelos, Hugo, Jordi & Lisa, Filipe, Margarida, Eliane, Cristophe, Aude, Vasco & Julia, Ana Luisa, Ricardo Llorente, Inês, Rita & António, Riccardo & Olga, Marc & Louise, Maria & Thijs, Sandra, Thorsten, Tobias & Valentina, Dimitris & Marja, Alex & Zoi, Laia & Jochem, Renia. Thanks for listening all my greek complaints and stories and for sharing nice moments. You made my Dutch-time more interesting.

To my “sogros”, Benilde and Manuel Santiago, and to my “cunhada”, Nazaré, for including me and supporting me in the complexity of your warm Portuguese family.

To my Greek “old” friends Αναστό, Βάιε, Γιάννη, Γιάνουλε, Ελένη, Ζωή, Κωνσταντίνε, Λίνα, Μήτσιου, Νικόλα, Πάναγιώτη, Παντέ, Στέφανε, Χριστίνα. Ελπίζω να περασουμε πολλές ακόμα στιγμές που θα γεμίσουν πολλές δασκαλακικές ιστορίες στο μέλλον. Ξεκινάμε από Νέα Υόρκη!

To my Cretan family, especially my grandmother Κατερίνα, grandfather Νίκος and uncle Μάνος for all the Cretan warmth. Παππού, Γιαγιά, Μάνο ευχαριστώ για τα παραδείγματα και τις όλες τις ιστορίες που μοιραστήκαμε! Θα είστε πάντα κομμάτια της σκέψης μου.

To my parents, Περικλής και Σοφία, for inspiring me, supporting me, and believing in me. Είστε οι πρώτες εικόνες της νοσταλγίας μου και οι πρώτοι που θέλω να βλέπω όταν είμαι στη Ελλάδα. Να ξέρετε ότι η σκέψη ότι θα πιστευέτε πάντα σε μένα μου δίνει τρομακτική δύναμη.

To my brother, Κωνσταντίνος, for being the great, talented and romantic scientific hero for me and being my friend and supporter in all my life. Κώστα, πόσο τυχεροί είμαστε που σ’ αυτό το ενδιαφέρον ταξίδι θα είμαστε εμείς οι δύο.

To Ana for being the light in my life, the person who believes in me and dreams with me every moment, and helps me to follow any surreal idea. Είσαι ο λόγος που «Τρέμ' η ψυχή και ξαστοχά γλυκά τον εαυτό της.».

Νίκος Δασκαλάκης, Leiden Δεκέμβρης 2011.

Ευχαριστώ  
Νίκος Δασκαλάκης





## Publication list

### Full papers

"Beyond maternal absence: evidence for the role of peers and non-shared stressful experience in mediating the development of a fearful phenotype"

**Daskalakis NP**, Champagne DL, Diamantopoulou A., Remmers E., Tjälve M., van der Veen R., Claessens SE, Oitzl MS, de Kloet ER.

*Submitted.*

"Testing the cumulative stress and mismatch hypotheses of psychopathology in a rat model of early-life adversity"

**Daskalakis NP**, Oitzl MS, Schächinger H, Champagne DL, de Kloet ER.

*Physiol Behav.* 2011. *In press.*

"The newborn rat's stress system readily habituates to repeated and prolonged maternal separation, while continuing to respond to stressors in context dependent fashion."

**Daskalakis NP**, Claessens SE, Laboyrie JJ, Enthoven L, Oitzl MS, Champagne DL, de Kloet ER.

*Horm Behav.* 2011 Jul;60(2):165-76.

"Development of individual differences in stress responsiveness: an overview of factors mediating the outcome of early life experiences"

Claessens SE, **Daskalakis NP**, van der Veen R, Oitzl MS, de Kloet ER, Champagne DL.

*Psychopharmacology.* 2011 Mar;214(1):141-54. *Review.*

"Cortisol rapidly disrupts prepulse inhibition in healthy men."

Richter S, Schulz A, Zech CM, Oitzl MS, **Daskalakis NP**, Blumenthal TD, Schächinger H.

*Psychoneuroendocrinology.* 2011 Jan;36(1):109-14.

"Environmental and tactile stimulation modulates the neonatal handling effect on adult rat spatial memory"

**Daskalakis NP**, Kaperoni M, Koros C, de Kloet ER, Kitraki E.

*Int J Dev Neurosci.* 2009 Dec;27(8):747-55.

### Abstracts

"Schizophrenia endophenotypes and stress hyper-reactivity co-precipitate following adverse life events in genetically susceptible rats"

**Daskalakis, N.P.**, Martens, G.J., Cools, A.R., de Kloet, E.R.

*Eur Neuropsychopharmacol.* 2011 Mar;21(Suppl.):S85-S86.

"The three hit hypothesis of schizophrenia tested in genetically selected rats exposed to early life experience and adolescent psycho-social stressor"

**Daskalakis, N.P.**, Fung, W.L., Schnorr, S., Meelis, W., Oitzl, M.S., de Kloet, E.R.

*Int J Dev Neurosci.* 2010 Dec;28(8):698-698.













## Ιθάκη

Σα βγεις στον πηγαιμό για την Ιθάκη,  
να εύχεσαι νάναι μακρύς ο δρόμος,  
γεμάτος περιπέτειες, γεμάτος γνώσεις.  
Τους Λαιστρυγόνες και τους Κύκλωπας,  
τον θυμωμένο Ποσειδώνα μη φοβάσαι,  
τέτοια στον δρόμο σου ποτέ σου δεν θα βρείς,  
αν μέν' η σκέψις σου υψηλή, αν εκλεκτή  
συγκίνησις το πνεύμα και το σώμα σου αγγίζει.  
Τους Λαιστρυγόνες και τους Κύκλωπας,  
τον άγριο Ποσειδώνα δεν θα συναντήσεις,  
αν δεν τους κουβανείς μες στην ψυχή σου,  
αν η ψυχή σου δεν τους στήνει εμπρός σου.

Να εύχεσαι νάναι μακρύς ο δρόμος.  
Πολλά τα καλοκαιρινά πρωιά να είναι  
που με τι ευχαρίστησι, με τι χαρά  
θα μπαίνεις σε λιμένας πρωτοειδωμένους·  
να σταματήσεις σ' εμπορεία Φοινικικά,  
και τες καλές πραγμάτειες ν' αποκτήσεις,  
σεντέφια και κοράλλια, κεχριμπάρια κ' έβενους,  
και ηδονικά μυρωδικά κάθε λογής,  
όσο μπορείς πιο άφθονα ηδονικά μυρωδικά·  
σε πόλεις Αιγυπτιακές πολλές να πας,  
να μάθεις και να μάθεις απ' τους σπουδασμένους.

Πάντα στον νου σου νάχεις την Ιθάκη.  
Το φθάσιμον εκεί είν' ο προορισμός σου.  
Αλλά μη βιάζεις το ταξίδι διόλου.  
Καλλίτερα χρόνια πολλά να διαρκέσει·  
και γέρος πια ν' αράξεις στο νησί,  
πλούσιος με όσα κέρδισες στον δρόμο,  
μη προσδοκώντας πλούτη να σε δώσει η Ιθάκη.

Η Ιθάκη σ' έδωσε το ωραίο ταξίδι.  
Χωρίς αυτήν δεν θάβγαινες στον δρόμο.  
Άλλο δεν έχει να σε δώσει πια.

Κι αν πτωχική την βρεις, η Ιθάκη δεν σε γέλασε.  
Έτσι σοφός που έγινες, με τόση πείρα,  
ήδη θα το κατάλαβες η Ιθάκες τι σημαίνουν.

## Ithaca

*When you set out on your journey to Ithaca,  
pray that the road is long,  
full of adventure, full of knowledge.  
The Lestrygonians and the Cyclops,  
the angry Poseidon -- do not fear them:  
You will never find such as these on your path,  
if your thoughts remain lofty, if a fine  
emotion touches your spirit and your body.  
The Lestrygonians and the Cyclops,  
the fierce Poseidon you will never encounter,  
if you do not carry them within your soul,  
if your soul does not set them up before you.*

*Pray that the road is long.  
That the summer mornings are many, when,  
with such pleasure, with such joy  
you will enter ports seen for the first time;  
stop at Phoenician markets,  
and purchase fine merchandise,  
mother-of-pearl and coral, amber and ebony,  
and sensual perfumes of all kinds,  
as many sensual perfumes as you can;  
visit many Egyptian cities,  
to learn and learn from scholars.*

*Always keep Ithaca in your mind.  
To arrive there is your ultimate goal.  
But do not hurry the voyage at all.  
It is better to let it last for many years;  
and to anchor at the island when you are old,  
rich with all you have gained on the way,  
not expecting that Ithaca will offer you riches.*

*Ithaca has given you the beautiful voyage.  
Without her you would have never set out on the road.  
She has nothing more to give you.*

*And if you find her poor, Ithaca has not deceived you.  
Wise as you have become, with so much experience,  
you must already have understood what Ithacas mean.*

*Constantine P. Cavafy (1911)*

