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## 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		





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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,  
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συγκίνησις το πνεύμα και το σώμα σου αγγίζει.  
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να σταματήσεις σ' εμπορεία Φοινικικά,  
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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.  
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Αλλά μη βιάζεις το ταξίδι διόλου.  
Καλλίτερα χρόνια πολλά να διαρκέσει·  
και γέρος πια ν' αράξεις στο νησί,  
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μη προσδοκώντας πλούτη να σε δώσει η Ιθάκη.

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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)*

