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Human longevity : crosstalk between the brain and periphery

Akintola, A.A.

Citation

Akintola, A. A. (2016, November 16). *Human longevity : crosstalk between the brain and periphery*. Retrieved from <https://hdl.handle.net/1887/44266>

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Author: Akintola, Abimbola

Title: Human longevity : crosstalk between the brain and periphery

Issue Date: 2016-11-16

**HUMAN LONGEVITY:
CROSSTALK BETWEEN
THE BRAIN AND PERIPHERY**

Abimbola A. Akintola

Colofon

Author:	Abimbola (Abi) Akintola
Design / lay-out:	Abi Akintola, Mirakels Ontwerp
Printing:	Gildeprint - The Netherlands
ISBN:	978-94-6233-433-5

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The work described in this thesis was supported by the European commission project Switchbox (FP7, Health-F2-2010-259772).

HUMAN LONGEVITY: CROSSTALK BETWEEN THE BRAIN AND PERIPHERY

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker
volgens besluit van het College voor Promoties
te verdedigen op woensdag 16 november 2016
klokke 11:15 uur

door

Abimbola Abike Akintola

Geboren te Lagos, Nigeria

Promotor

Prof. Dr. R. G. J. Westendorp

Co-promotores

Dr. Ir. Diana van Heemst

Dr. Jeroen van der Grond

Leden promotiecommissie

Prof. Dr. Hanno Pijl

Prof. Dr. Joke Meijer

Prof. Dr. Manfred Hallschmid (University of Tübingen, Germany)

Prof. Dr. Nuno Sousa (University of Minho, Braga, Portugal)

*Even in old age they will still be thriving, they will remain vigorous and fresh
The former things have passed away
(Psalm 92:14, Revelation 21:4)*

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LIST OF ABBREVIATIONS

ANN	Average of NN intervals
ARD	Absolute relative difference
ARD	Absolute relative difference
AUC	Area Under the Curve
BPM	Beats per minute
CMB	Cerebral micro-bleeds
CGM	Continuous glucose monitor
CONGA	Continuous overlapping net glycemic action
CONGA1	Continuous overlapping net glycemic action over one hour
CONGA4	Continuous overlapping net glycemic action over four hours
CV	Coefficient of variation
ECG	Electrocardiogram
EQ02	Equivital EQ02 lifemonitor
FAST	FMRIB's automated segmentation tool
FLAIR	Fluid attenuated inversion recovery
FMRIB	Functional MRI of the brain
FSL	FMRIB Software Library
GM	Gray Matter
Holter	Holter ambulatory ECG monitor
HOMA-IR	Homeostatic Model Assessment of Insulin Resistance
HOMA-IS	Homeostatic Model Assessment of Insulin Sensitivity
HR	Heart rate
HRV	Heart rate variability
IQR	Interquartile range
LLS	Leiden longevity study
MAGE	Mean amplitude of glycemic excursions
MARD	Mean absolute relative difference
MNI152	Montreal Neurological Institute 152
MRI	Magnetic Resonance Imaging
ms	Milliseconds
MTI	Magnetization Transfer Imaging

MTR	Magnetization Transfer Ratio
NN	Normal- to- normal sinus rhythm interval
NN50	Number of adjacent NN intervals with a difference less than 50ms
OGTT	Oral Glucose Tolerance Test
pNN50	Ratio of a NN50 to total number of NN intervals
RD	Relative difference
RR	interval between the R wave peaks of the recorded QRS complex
RMSSD	Square root of the mean squared differences of successive intervals
SD	Standard deviation
SDws1	Standard deviation within time series of one hour
SDws4	Standard deviation within time series of four hours
SDANN	Standard deviation of 5 minute averages of NN intervals
SDNN	Standard deviation of NN intervals
SDNNi	Mean of the standard deviation of 5 minute NN intervals
SDSD	Standard deviation of successive differences of NN intervals
SE	Standard error
SIENAX	Structural Image Evaluation, using Normalization, of Atrophy
SMBG	Self-monitoring of blood glucose
TFCE	Threshold- Free Cluster Enhancement
Type 2 DM	Type 2 Diabetes Mellitus
VOI	Voxels of Interest
WM	White Matter
WMH	White Matter Hyper-intensities

