

UNIVERSIDADE DO MINHO
COMISSÃO INSTALADORA

CURSOS E DEPARTAMENTOS NO DOMÍNIO
DA MEDICINA

—
PROGRAMAÇÃO

BRAGA—NOVEMBRO, 1974

PROPOSAL OF A CURRICULAR STRUCTURE
FOR A MEDICINE COURSE



UNIVERSIDADE DO MINHO
Braga, 1996

Novembro de 1974
Plano de criação do curso
de Medicina, Comissão
Instaladora da
Universidade do Minho



17/02/2000

Assinatura do contrato-programa para instalação da Escola de Ciências da Saúde e do Curso de Medicina, após criação do Curso de Medicina pelo Senado Universitário (13/07/1998) e aprovação da criação da Escola pelo Governo (20/10/1999).

Na fotografia, presença do Primeiro Ministro António Guterres na abertura do Curso de Medicina



Janeiro de 2001
Professor Sérgio Machado
dos Santos preside à
Comissão Instaladora da
Escola de Ciências da Saúde

Na fotografia, o Professor Sérgio Machado
dos Santos acompanha a visita do
Presidente da República Jorge Sampaio



08/10/2001

Aula inaugural do Curso
de Medicina proferida
pelo Professor Joaquim
Pinto Machado



08/10/2001

Aula inaugural do Curso
de Medicina proferida
pelo Professor Joaquim
Pinto Machado

HAJA SAÚDE!

Maio de 2003 Número 8 * Distribuição Gratuita

[Enterro 2003 anima Braga]

FEBRE AMARELA



[ANEM e NEMUM organizaram I Tertúlia Científica no BIBA CAFÉ]

CASO PHINEAS GAGE

ELES ANDARAM ÀS VOLTAS COM O TEU CÉREBRO



PUB.

<http://nemun.no.sapo.pt>

UM NÚCLEO PARA TI, UMA PÁGINA PARA TODOS

Escola de Medicina
Universidade do Minho

Revista Semestral Gratuita
N.º12 - Abril 2022

Diretora
Erica Gomes

Haja Saúde



Maio de 2002
Criação do jornal
Haja Saúde!



08/10/2002
Fundação do NEMUM e
Primeira Direção

Na fotografia, tomada de posse da
segunda direção em outubro de 2003.

3.3 Research

The research activities are organised and carried out at the ICVS, which acts as a fully incorporated research structure within the School. A detailed report of the activities of ICVS is available separately, but some essential points are summarised here.

As mentioned in former reports, a proposal was formally submitted to FCT, in early 2002, for the regular financing (basal and programmatic) of ICVS as a research unit integrated in the national system of science and technology. However, the FCT international panel of experts visited ICVS only on the 10th of December 2003 and the formal decision to recognise the ICVS was taken in February 2004. The report from the panel was very positive and supportive of the programmatic funding needed for laboratory equipment.

The ICVS was rated as Excellent. Nevertheless, although the panel considered that *"the funding needs of the unit are large and acute; adequate library facilities are not yet in place; funding support is required to obtain adequate access to electronic journals, a critical need; several core types of equipment have not yet been purchased, including confocal and electron microscopes, cell sorter, beta and gamma counters, HPLC, and an automated DNA sequencer; these will be required for the centre to become fully competitive with laboratories in the US and Europe"*, the programmatic financing of the ICVS was disappointingly negligible (90 000 Euros) as a consequence of the under financing of research in Portugal.

Fevereiro de 2004
Reconhecimento do ICVS
como Unidade de
Investigação pela FCT



18/05/2006
Lançamento do
Programa MD/PhD



14/05/2007
Lançamento dos
Laboratórios de
Aptidões Clínicas



Julho de 2007
Primeiros graduados
em Medicina pela
Universidade do Minho



08/10/2007
Inauguração do edifício
da Escola de Medicina



08/10/2007

Professora Cecília Leão
toma posse como
Presidente da
Escola de Ciências da
Saúde, hoje Escola de
Medicina



29/10/2007
Fundação da
Alumni Medicina

Chronic Stress Causes Frontostriatal Reorganization and Affects Decision-Making

Eduardo Dias-Ferreira,^{1,2,3} João C. Sousa,¹ Irene Melo,¹ Pedro Morgado,¹ Ana R. Mesquita,¹ João J. Cerqueira,¹ Rui M. Costa,^{2,4*} Nuno Sousa^{1*}

The ability to shift between different behavioral strategies is necessary for appropriate decision-making. Here, we show that chronic stress biases decision-making strategies, affecting the ability of stressed animals to perform actions on the basis of their consequences. Using two different operant tasks, we revealed that, in making choices, rats subjected to chronic stress became insensitive to changes in outcome value and resistant to changes in action-outcome contingency. Furthermore, chronic stress caused opposing structural changes in the associative and sensorimotor corticostriatal circuits underlying these different behavioral strategies, with atrophy of medial prefrontal cortex and the associative striatum and hypertrophy of the sensorimotor striatum. These data suggest that the relative advantage of circuits coursing through sensorimotor striatum observed after chronic stress leads to a bias in behavioral strategies toward habit.

In everyday life, we constantly have to select the appropriate actions to obtain specific outcomes. These actions can be selected on the basis of their consequences (1, 2), e.g., when we press the elevator button to get to the particular floor of our new apartment. This goal-directed behavior is crucial to face the ever-changing environment, but demands an effortful control and monitoring of the response. One way to balance the need for flexibility and efficiency is through automatization of recurring decision processes as a rule or a habit (3). Habitual responses no longer need the evaluation of their consequences and can be elicited by particular situations or stimuli

(1, 2), e.g., after living for some time in that apartment, we automatically press the button of our home floor when we enter the elevator. The ability to shift between these two types of strategies is necessary for appropriate decision-making (2), and in some situations, it may be crucial to be able to inhibit a habit and use a goal-directed strategy, e.g., if we are visiting a new building, we should not press the button for our home floor.

Chronic stress, mainly through the release of corticosteroids, affects executive behavior through sequential structural modulation of brain networks (4, 5). Stress-induced deficits in spatial reference

and working memory (6) and behavioral flexibility (7) are associated with synaptic and/or dendritic reorganization in both the hippocampus (8) and the medial prefrontal cortex (mPFC) (9). However, the effects of chronic stress on action-selection strategies have not been investigated. Here, we examined whether previous exposure to chronic stress would affect the ability of animals to select the appropriate actions, based on the consequences of their choice. Because associative corticostriatal circuits involving the prefrontal (PL) cortex (10) and the dorsomedial striatum (DMS) (11) have been implicated in the acquisition and execution of goal-directed actions, whereas sensorimotor circuits, namely, the dorsolateral striatum (DLS) (12), are necessary for habit formation, we examined the effects of chronic stress on these brain areas.

In an attempt to mimic the variability of stressors encountered in daily life, adult rats assigned to the stress group were exposed to a well-established stress paradigm (13) that combines different stressors in an unpredictable manner to

¹Life and Health Sciences Research Institute (ICVS), School of Health Sciences, University of Minho, 4710-057 Braga, Portugal. ²Section on In Vivo Neural Function, Laboratory for Integrative Neuroscience, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD 20852-9411, USA. ³Ph.D. Programme in Experimental Biology and Biomedicine (PDBEB), Center for Neuroscience and Cell Biology, University of Coimbra, 3004-517 Coimbra, Portugal. ⁴Champlain Neuroscience Programme at Instituto Gulbenkian de Ciência, Rua da Quinta Grande, 2780-901 Oeiras, Portugal.

*To whom correspondence should be addressed. E-mail: rjcsousa@ecea.uminho.pt (N.S.) or costarui@mail.nih.gov (R.M.C.)

2009

Publicação de artigo na revista Science



17/11/2009

Criação da
Tuna de Medicina



2010
Criação do Laboratório
de Cirurgia Minimamente
Invasiva



03/01/2012
Criação do Centro Clínico
Académico 2CA-Braga



28/01/2015

Lançamento da primeira
pedra do novo Biotério



05/09/2017
Professor Nuno Sousa
toma posse como
Presidente da
Escola de Medicina



08/10/2018
Criação da Cátedra
Alumni Medicina
Professor Pinto Machado



29/12/2018
Criação da B.ACIS –
Associação Ciência,
Inovação e Saúde – Braga



08/04/2019
Inauguração do Centro de
Medicina Digital P5

ANA JOÃO RODRIGUES
RECEBE BOLSA
MILIONÁRIA DO
CONSELHO
EUROPEU DE
INVESTIGAÇÃO



Dezembro de 2019
Primeira Bolsa do *European Research Council* na Escola de Medicina da Universidade do Minho



26/02/2020
Fundação da
Associação Porta Nova



22/06/2022

Tomada de Posse do
Professor Jorge Correia-
Pinto como Presidente
da Escola de Medicina