

Porto, 11 of March, 2015

Dear Editor

World Journal of Stem Cells.

**Subject:** Institutional animal care and use committee statement concerning the full paper entitled *Evaluation of biodegradable electric conductive tube-guides and mesenchymal stem cells (MSCs)*. Manuscript revision N° **ID: 16897**.

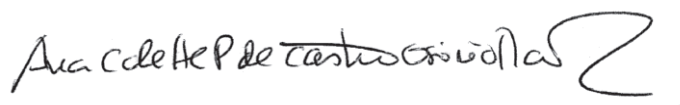
The paper entitled “*Evaluation of biodegradable electric conductive tube-guides and mesenchymal stem cells (MSCs)*” Manuscript revision N° **ID: 16897** by Jorge Ribeiro, Tiago Pereira, Ana Rita Caseiro, Paulo Armada-da-Silva, Isabel Pires, Justina Prada, Irina Amorim, Sandra Amado, Miguel França, Carolina Gonçalves, Maria Ascensão Lopes, José Domingos Santos, Dina Silva, Stefano Geuna, Ana Lúcia Luís, Ana Colette Maurício was submitted for publication in the *World Journal of Stem Cells*.

The article describes a basic research study involving animal subjects and was approved by the Veterinary Authorities of Portugal in accordance with the European Communities Council Directive of November 1986 (86/609/EEC), and the NIH guidelines for the care and use of laboratory animals have been observed. Also all the authors involved in the *in vivo* tasks have a degree in Veterinary Medicine and are accredited by the Veterinary Authorities of Portugal and by Felasa – Category C for working with laboratory animals.

Humane end points were always followed in accordance to the OECD Guidance Document on the Recognition, Assessment and Use of Clinical Signs as Humane Endpoints for Experimental Animals Used in Safety Evaluation (2000). Adequate measures were taken to minimize pain and discomfort taking into account human endpoints for animal suffering and distress. Animals were housed for two weeks before

entering the experiment. The corresponding author authorizations follow in attachment to the present statement.

On behalf of all authors,

A handwritten signature in black ink, reading "Ana Colette P de Castro e Silva". The signature is fluid and cursive, with a large, stylized 'Z' at the end.

Prof. Ana Colette Maurício (corresponding author)

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Direcção Geral  
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Ministério da Agricultura,  
do Desenvolvimento Rural e das Pescas

## CERTIFICADO DE ATRIBUIÇÃO DE CREDITAÇÃO

Ao abrigo do ponto iii), da alínea e), do nº 3 da Portaria nº 1005/92, de 23 de Outubro, é atribuída a ANA COLETTE MAURÍCIO, creditação como pessoa competente para a prática de experimentação animal.

Lisboa, 6 de Outubro de 2005

O Director Geral

As) Carlos Agrela Pinheiro

*Fernando Bernardo*  
FERNANDO BERNARDO  
Subdirector - Geral



**DGV**  
**Direcção Geral**  
**de Veterinária**  
Ministério da Agricultura,  
do Desenvolvimento Rural e das Pescas

**Direcção de Serviços de Meios de Defesa da Saúde, Bem-estar e Alimentação Animal**

**Ex<sup>ma</sup> Senhora**  
**Professora Ana Colette Maurício**  
Campus Agrário de Vairão  
Rua Padre Armando Quintas  
4485 – 661 VAIRÃO VCD

2005-10-11 023222

Sua referência

Sua comunicação de

Nossa referência  
520/000/000

/2005

**Assunto: PROTECÇÃO DOS ANIMAIS UTILIZADOS PARA FINS EXPERIMENTAIS E/OU OUTROS FINS CIENTÍFICOS – PEDIDO DE CREDITAÇÃO DE INVESTIGADORA COMPETENTE**

Na sequência do pedido efectuado por V. Ex<sup>a</sup> sobre o assunto referenciado em epígrafe, cabe-me informar que foi o mesmo levado à consideração dos membros da Comissão Consultiva, relativa à protecção dos animais usados para fins experimentais e/ou científicos, no sentido de se cumprir o disposto no nº 8 da Portaria nº 1005/92, de 23 de Outubro.

Mais se informa que os supracitados membros não levantaram qualquer objecção à solicitação supra referida.

Esta Direcção Geral também nada tem a opôr ao pedido de autorização para creditação como "investigador competente" ao abrigo do ponto iii) da alínea e) do nº 3 da supracitada Portaria, ficando V. Ex<sup>a</sup> creditada como tal.

Finalmente, cabe-me apenas informar que junto anexamos o certificado de atribuição da creditação em apreço.

Com os melhores cumprimentos,

O Director-Geral

As) Carlos Agrela Pinheiro

Anexo: Doc. supracitado  
APM/



## 2<sup>nd</sup> IBMC/ICVS course in

# Laboratory Animal Science

IBMC 2-13/5/2005

This is to certify that

ANA COLETTE MAURICIO

has successfully participated in the course Laboratory Animal Science, held May 2-13 2005 at the Institute for Molecular and Cell Biology.

The course curriculum followed the FELASA recommendations on the education and training of persons working with laboratory animals Category C, with the following contents:

### Lectures

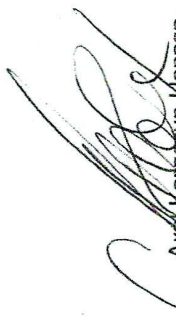
- Introduction to Laboratory Animal Science
- Welfare and experimental procedures
- Alternatives to animal procedures
- Ethics
- Laboratory animal genetics
- Microbiology and gnotobiology
- Safety in the animal facility
- Anaesthesia
- (Micro)surgery, telemetry
- Peri-operative care, analgesia, euthanasia
- Pathology
- Legislation
- Behaviour, stress and animal welfare
- Biology of laboratory animals
- Statistics and methodology
- Nutrition
- Transgenic/KO animals
- The animal facility (design and logistics)


### Demonstrations and practicals


- Animal handling
- Minor procedures in animals

### Group exercise

- Preparation of a complete protocol to be presented for an ethics / animal care and use committee

  
Axel Konnerup Hansen  
Royal Veterinary and Agricultural  
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Royal Veterinary and Agricultural  
University, Copenhagen

  
Anna Olsson  
Institute for Molecular and Cell  
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