

Dia da Investigação

10ª edição

Science is alive

15 DEZ



PRESENCIAL + ONLINE

Local: Grande Auditório
João Lobo Antunes

9H →
17H00



08:30 • Opening

09:00 • Open Session

Prof. Doutor Fausto Pinto – Diretor da FMUL | Prof. Doutor José Melo Cristino – Presidente do Conselho Científico
Prof.ª Doutora Maria Carmo-Fonseca – Presidente do IMM | Dr. Daniel Ferro – Presidente do Conselho de Administração do CHULN | João Martins – Presidente da AEFML | Prof.ª Doutora Ana Espada de Sousa – Coordenadora do GAPIC

Prémio GAPIC David-Ferreira

Presentation of Master Final Work / Master Thesis 2020-21

Chair: João Ferreira

Prémio: Afonso Figueiredo de Almeida | *Impact of IL-17 on Alzheimer's Disease Progression*

1.ª Menção Honrosa: Nazariy Koval | *Direct oral anticoagulants versus vitamin K antagonists in patients with antiphospholipid syndrome: systematic review and meta-analysis*

2.ª Menção Honrosa: Katarina Arruda Pinto Pecher | *Intraoperative quantitative microperfusion assessment using O2C can predict delayed graft function after kidney transplantation*

09:30 • 14.ª Bolsa de Investigação Fundação AstraZeneca

Chair: João Ferreira

Retinal vascular reactivity in type 1 diabetes patients without retinopathy using optical coherence tomography angiography

David Cordeiro Sousa | Centro de Estudos das Ciências da Visão e Clínica Universitária de Oftalmologia, FMUL

10:00 • Poster Sessions

24.º Programa “Educação pela Ciência” | Bolsas CHULN/FMUL

Posters Session I

Chairs: Edgar Gomes | João Ferreira | Sérgio Almeida

PEC/07 Development of a new test based on CRISPR-Cas9 technology to assess the function of BRCA1 and BRCA2 proteins¹

Beatriz Lima | Maria Carmo-Fonseca Lab, IMM-JLA

PEC/10 CK2, PI3K-Akt pathway & the Circadian Molecular Clock: decoding the molecular interactions network
Rita Rodrigues | João Barata Lab, IMM-JLA

PEC/14 The role of filopodia in endothelial cell migration during sprouting angiogenesis
Samuel Carvalho | Cláudio Franco Lab, IMM-JLA

PEC/16 Comparative characterization of skeletal muscle phenotype in mice during aging and in MANF loss of function conditions
Bárbara Pereira | Joana Neves Lab, IMM-JLA

PEC/37 Exploring the role of the Notch ligand Delta-like 4 in mouse ESC exit from pluripotency
Ana Rita Teixeira | Instituto de Histologia e Biologia do Desenvolvimento, FMUL

PEC_{23.º}/10 What is the mechanism by which lncRNA PCAT-1 affects BRCA2?
Catarina Ribeiro | Maria Carmo-Fonseca Lab, IMM-JLA

PEC_{23.º}/23 Why does BRCA loss of function predisposes to tumors mainly in estrogen-related tissues?
Maria Margarida Grilo; Raquel Antunes | Maria Carmo-Fonseca Lab, IMM-JLA

PEC_{23.º}/27 The immunomodulatory role of eHSP90 on macrophage activation in tumour microenvironment
Rita Sequeira | Instituto de Histologia e Biologia do Desenvolvimento, FMUL

PEC_{23.º}/29 Looking beyond DNA II: Screening for mRNA biomarkers of response to PARP inhibition²
Pedro Bak-Gordon | Unidade de Biologia Celular, Maria Carmo-Fonseca Lab, IMM-JLA

Posters Session II

Chairs: Ana Rita Fragoso | Joana Desterro | Sérgio Dias | Teresa Pacheco

PEC/04 The impact of the nutritional availability in the microenvironment on metabolic remodeling and aggressiveness of breast cancer cells
Sofia Esteves | Sérgio Dias Lab, IMM-JLA

PEC/06 Genetic contributions of HPSE1 and TGFβ1 genes in leiomyomas development and treatment response to uterine fibroid embolization¹
Patrícia Pires | Laboratório de Genética, FMUL

PEC/08 Lifestyle as a modulator of inflammatory body composition parameters in Oncorisk participants
Catarina Domingues | Laboratório de Nutrição, FMUL | Fundação Champalimaud

PEC/29 Clinical validation of molecular targets involved in glioblastoma recurrence
Inês Pereira | Clínica Universitária de Neurocirurgia, FMUL

PEC/30 Molecular and functional characterization of inherited intronic variants on BRCA1 and BRCA2 genes: aiming to reclassify variants of uncertain significance
Ana Carolina Pais | Maria Carmo-Fonseca Lab, IMM-JLA

PEC/35 Exploring the potential of Delta One T cells in colorectal cancer
Tomás Santos | Bruno Silva-Santos Lab, IMM-JLA

PEC/39 Translational study of adipose tissue in the tumor microenvironment of Hodgkin Lymphoma
Andreia Matos | Laboratório de Genética, FMUL

PEC_{23.º}/05 Exploring synthetic lethal interactions for targeted breast cancer treatment
Maria Luísa Alvarenga | Sérgio Almeida Lab, IMM-JLA

PEC_{23.º}/39 Hyperbaric Oxygenotherapy: the limit between cancer and healthy
José Nobre | Instituto de Fisiologia, FMUL | CCUL

Poster Session III

Chairs: Ângelo Chora* | Helena Nunes Cabaço | Patrícia Reis | Sofia Mensurado | Vasco Romão*

PEC/05 Functional Heterogeneity Between Human T Follicular Regulatory Cells From Different Compartments
Diogo Antunes | Luís Graça Lab, IMM-JLA

PEC/18 RANK expression in human peripheral Treg cells
Maria de Medeiros Mota | Ana Espada Sousa Lab, IMM-JLA

PEC/23 The impact of SAMHD1 on HIV latency in follicular helper T cells¹
André Pires | Ana Espada Sousa Lab, IMM-JLA

PEC/36 Association between Inflammatory Bowel Disease and stroke: evaluation of the presence of markers of cerebrovascular disease
Alexandra de Sousa | José Ferro Lab, IMM-JLA

PEC/38 Imunomodulação do sistema gastrointestinal em doenças inflamatórias do intestino através do desenvolvimento de uma bactéria recombinante secretora de IL-10¹
David Santos; Beatriz da Silva | Luís Graça Lab, IMM-JLA | Evolutionary Biology Lab, IGC

PEC_{23.º}/11 What is the influence of red blood cells' variations, particularly on haemoglobin, on Plasmodium falciparum proliferation ability?
Ana Sofia Soares; Sara Mahomed; Tomás Gonçalves | Instituto de Microbiologia, FMUL

PEC_{22.º}/03 The effect of T follicular cell subsets on B cell immune responses in early arthritis patients²
João Carçoço Pedro | João Eurico Fonseca Lab, IMM-JLA

PEC_{22.º}/16 Study of the immunomodulatory effect of Tofacitinib on the function of B Cells in Rheumatoid Arthritis and Psoriatic Arthritis
José Nobre; Maria Beatriz Santos; João Marques | Unidade de Reumatologia, João Eurico da Fonseca Lab, IMM-JLA

PEC_{22.º}/23 Identification of key molecular players in thymus development
Leonor Magalhães | Instituto de Histologia e Biologia do Desenvolvimento, FMUL

Poster Session IV

Chairs: Bruno Miranda | Domingos Henrique | Vanessa Morais

PEC/09 The Potential of Neural Stem Cells in Multiple Sclerosis: the Effect of Adenosine A2A Receptors in Postnatal Oligodendrogenesis after Demyelination
Maria Filipa Porfírio | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/12 Effect of memantine administration over aging on BDNF receptor levels
João Carvalho | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/13 Functional role of endocannabinoid receptors in Amyotrophic Lateral Sclerosis (ALS)
Francisco Mendes; Miguel Catarino | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/19 The role of restored BDNF/TrkB signalling on neurogenesis in a rat model of epilepsy
Diana Correia | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/24 Searching for new neurogenic niches in the central nervous system of adult mice
Joana Nunes | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/27 Characterization of neuroinflammatory activity in the Wistar-Kyoto Rat model of depression
José Silva | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/28 Therapeutic monitorization of TAT-TrkB effect in preventing BDNF (TrkB-FL) receptor cleavage in CSF and blood of an animal model
Nuno Ramalho; Rita do Amaral | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC/33 Epigenetic changes in a mouse model of Rett Syndrome: how DNA methylation manifests in different phenotypes
Valentim Rodrigues | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC_{23.º}/08 Decoding adult gliogenesis in the context of depression: exercise and cannabinoid type 2 receptor actions²

Pedro Dias | Instituto de Farmacologia e Neurociências, FMUL | Ana Sebastião Lab, IMM-JLA

PEC_{23.º}/22 Dihydrotestosterone and 5α-reductase role in Alzheimer's disease
João Agapito | Luísa Lopes Lab, IMM-JLA

Poster Session V

Chairs: Diana Aguiar de Sousa | Lia Neto | Maria José Diógenes | Sandra Vaz* | Sofia Reimão

PEC/02 Impact of GBA Mutations in the outcomes of Deep Brain Stimulation in Parkinson's disease Patients^{1,2}
Maria Marques Roque | Clínica Universitária de Neurologia, FMUL

PEC/22 Orbital Anatomy: Optic Nerve and Retrobulbar Circulation
Inês Antunes | Instituto de Anatomia, FMUL

PEC/25 Application of 3D models for spine surgery training
José Pais; Pedro Lança | Instituto de Anatomia, FMUL

PEC/32 Exploring the Role of Subthalamic Nucleus Local Field Potentials recordings in Parkinson's Disease Deep Brain Stimulation
Inês Cardoso | Clínica Universitária de Neurologia, FMUL

PEC_{23.º}/07 The influence of TDP-43 in TGF-β serum levels in Amyotrophic Lateral Sclerosis (ALS)²
Tatiana Duque | Mamede De Carvalho Lab, IMM-JLA

PEC_{23.º}/09 Split-hand as a Physiological Marker of Ageing
Gonçalo Pechirra | Clínica Universitária de Neurologia, FMUL

PEC_{23.º}/15 Mapping Acetylcholine receptors in the gastrointestinal tract: comparative study of the fetus and the adult
Duarte Siquenique | Instituto de Anatomia, FMUL

PEC_{23.º}/24 Substantia nigra MR imaging in deep brain stimulation: comparison between intraoperative microelectrode electrophysiological mapping, neuromelanin and FGATIR
Maria Teresa Santana | Clínica Universitária de Imagiologia, FMUL

Poster Session VI

Chairs: Dulce Brito | José António Lopes | Patrício Aguiar

BCHULN/01 Insight on Diabetes Mellitus¹
Adriana Correia | Clínica Universitária de Psiquiatria e Psicologia Médica

PEC/03 Correction of the pathogenic variant c.2222A>G in the ACTN2 gene, associated with Hypertrophic Cardiomyopathy, through base editing technology¹
Sara Luís | Maria Carmo-Fonseca Lab, IMM-JLA

PEC/11 Burnout in medical students: A longitudinal study in the Lisbon Faculty of Medicine
Mafalda Florenciano; Maria Helena Cunha; Vasco Lobo | Área Disciplinar Autónoma – Introdução à Medicina, FMUL

PEC/20 Predicting penile length increase after division of its the suspensory ligament
Márcio Ramos; Leonardo Silva | Instituto de Anatomia, FMUL

PEC/21 Food Skills in Portuguese University Students
Sara Lopes | Laboratório de Nutrição, FMUL

PEC/31 Impact of the COVID-19 pandemic on the use of medical care and non-COVID mortality in Portugal
Joana Monteiro; Patrícia Mendes | Unidade de Epidemiologia, Instituto de Medicina Preventiva e Saúde Pública, FMUL

PEC/34 Diagnóstico inaugural de Diabetes Mellitus em doentes internados por AVC isquémico³
Raquel Rosa; Inês Fernandes | José Ferro Lab, IMM-JLA

PEC_{23.º}/14 Anatomical specimens rehabilitation and identification of structures for teaching and developing anatomical and clinical competences by anatomy students
Márcio Ramos; Maria Helena Cunha | Instituto de Anatomia, FMUL

PEC_{23.º}/26 Intraocular pressure behaviour in cataract surgery followed by pars plana vitrectomy: a pilot study³
Rita Leandro | Clínica Universitária de Oftalmologia, FMUL

PEC_{23.º}/28 Study of Renal Survivor in Medical Patients with Acute Kidney Injury during Hospitalization²
Maria Madalena Correia | Clínica Universitária de Medicina I, FMUL

12:00 • Break | Pausa

13:30 • Talk | Palestra - Experimental Medicine | Maria M. Mota | Diretora Executiva e Group Leader IMM- JLA

Chairs: Cláudia Faria (GAPIC), Ricardo Fernandes (GAPIC), Susana Fernandes (GAPIC)
Beatriz Lima (MIM – 4º ano), David Costa (MIM – 4º ano)

14:30 • Oral Communications

24.º Workshop “Educação pela Ciência” | Bolsas CHULN/FMUL

Chairs: Anne-Valerie Grendel | Daniel Caldeira | Lia Neto | Luísa Figueiredo* | Patrícia Reis

16:00 • Break | Pausa

16:10 • AEFML Session

GAPIC Experience | Pedro Lança (MIM – 5º ano), José Pais (MIM – 4º ano)
AIMS Meeting
Departamento de Formação e Ciência da AEFML | David Costa (MIM – 4º ano) e Maria Delícias (MIM – 3º ano)

16:40 • Awards and Closing Session

NOTA: O evento será transmitido em *streaming* e será alvo de cobertura audiovisual.

Legenda: BCHULN – Bolsa CHULN/FMUL; PEC – Programa “Educação pela Ciência”; PG – Prémio GAPIC David-Ferreira; *to be confirm

¹Projeto em Desenvolvimento e Prorrogado para o 25.º PEC

²Apresentação e discussão do trabalho online, mas sujeita a constrangimentos

³O aluno não enviou o resumo do seu trabalho ao GAPIC