

COMMON WORKSHOP

FHU ARRIMAGE – FHU CARTAGE

IN COLLABORATION WITH IMPACT GEENAGE

CAMPUS BRABOIS SANTÉ

9.AV DE LA FÔRET DE HAYE – 54500 VANDOEUVRE-LÈS-NANCY

THURSDAY 4TH APRIL

AMPHITHEATRE 250 B1

FRIDAY 5TH APRIL

AMPHITHEATRE 250 A1

UNIVERSITÉ DE LORRAINE
CAMPUS BRABOIS SANTÉ

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Thursday April 4th – 14h to 17h30

14:00 Opening A. Bénétos et J.L. Guéant

14:05 Introduction

Vice-Président de la Métropole du Grand Nancy et de la Région Grand-Est

Président de l'Université de Lorraine

Vice-Président du conseil Scientifique de l'Université de Lorraine

Chef de Pôle Structures de Soutien à la Recherche (S2R)

Président de la Commission Médicale d'Etablissement CHRU de Nancy

Chef du Pôle Biologie Médecine Santé – BMS

Doyen de la Faculté de Médecine de Nancy

F. Werner
P. Mutzenhardt
F. Villières
P-Y. Marie
C. Rabaud
D. Mainard
M. Braun

Session 1: Trajectories

14:30 – 16:45 Selected communications from PhD students & young researchers

Communications (10 min, 5 min discussion)

14:30 Telomere length and aortic valve calcification

S. Ilona

14:45 Cardiac manifestations of inherited metabolic disease linked to cellular vitamin B12 uptake: study in murine model of invalidation of Mtr gene in the heart

V.J. Kosgei

15:00 Role of vascular smooth muscles cells in naked mole rats during ageing (Heterocephalus glaber) T. Mgrditchian-Griffo

15:15 The dextran sodium sulfate-induced colitis of rats subjected to methyl donor deficient diet triggers non-alcoholic steato-hepatitis through increased monocyte chemoattractant protein 1 and interleukin-1beta

Z. Harb

15:30 Short telomeres and atherosclerosis: role of human endothelial progenitor cells

O. Ayad

15:45 Impact of early methyl donor deficiency on the ontogeny and plasticity of hypothalamic networks and energy homeostasis

L. Saber Cherif

16:00 Telomeric signatures in children and their parents

S. Toupance

16:15 A combined database-network approach to extract and interpret differential expression profiles of genes in ageing rats

C. Lacomblez

Flash communications (5 min, 2 min discussion)

16:30 m6A mRNA methylation in a cellular model deficient for vitamin B12

P. Moska

16:37 Role of the genomic and epigenomic alterations in the molecular mechanisms at the origin of the pathologies associated with rare inborn errors of vitamin B12 metabolism

R. Charif

16:45 – 17:30 Discussion on the possible interactions regarding the projects

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Friday 5th April – 9h00 to 18h10

Session 1: Conferences on the main topics of the FHU(s) and IMPACT GEENAGE Project

9:00 – 9:45 New targets in Inflammatory Bowel Disease (IBD): sirt1 and TREM L. Peyrin-Biroulet

9:45 – 10:30 RHU FIGHT-HF : Insights from the Heart Failure Omics in Ageing program (HOMAGE) P. Rossignol

10:30 – 11:00 Invited talk 1 – Anabolic resistance and age-related sarcopenia Y. Boirie (Université Clermont Auvergne)

11:00 – 11:20 Break

11:20 – 11:50 Invited talk 2 – Pathways by which obesity promotes colorectal carcinogenesis and strategies to block these pathways J. Mason (Tufts University)

11:50 – 12:20 Invited talk 3 – Telomere biology in cardiovascular disease T. De Meyer (Gent University)

12:20 – 13:30 Lunch

13:30 – 14:00 Invited talk 4 – Frailty index D. Freiha (e-CoreLab®)

Sessions 2: IMPACT GEENAGE Project

14:00 – 14:10 Progress report per axis of IMPACT GEENAGE JY. Jouzeau et P. Rossignol

14:10 – 14:50 Axe 1 : pigenome and Environment interplay: Connecting early and later predictors of pathological ageing JL.Guéant & L. Peyrin-Biroulet

14:05 – 15:30 Axe 2 : New transcriptomic avenues in diagnosis and therapy of age-related diseases C. Branlant & P. Rossignol

15:30 – 15:50 Break

15:50 – 16:30 Axe 3 : What is the role of telomere dynamics in the pace of cardio-vascular aging ?
Our strategy to explore this question A. Bénétos & S. Siest

16:30 – 17:10 Axe 4 : Integrating biomarkers and biodeterminants for prediction and stratified medicine of aged-related visceral digestive and joint inflammation JY. Jouzeau & F. Guillemin

17:10 – 18:10 General discussion on the creation of a Research Health Institute on Ageing (RHIA) & conclusion JL. Guéant et A. Bénétos