

# Media Invite

**FRIDAY JUNE 30TH**  
from 11 to 12

**LORRAINE UNIVERSITÉ**  
**D'EXCELLENCE: engineering**  
**site of the 21st century**



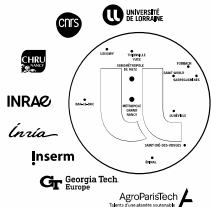
**Telomeres, a  
capital to  
preserve:  
three defining  
moments in life**



**What is the role of telomeres in our biological processes?  
How can we protect them over the course of our lives?  
What applications do they have in health and prevention?**

➔ TO SIGN UP <https://rb.gy/xaty3> or contact Audrey Donnenfeld / 06 30 10 76 90 – [lue-media-research@univ-lorraine.fr](mailto:lue-media-research@univ-lorraine.fr)

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## Telomeres, a capital to preserve: three defining moments in life

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Research on telomeres, located at the end of our chromosomes, is a field that has rapidly advanced, especially in the last five years. Such advancements can be seen either in the development of methods of measurements, or in the knowledge gained regarding their cellular influence.

Today, we evaluate the importance of this research in cases such as organ transplant, or in the case of pathologies for which the telomere length can have an impact. More broadly, the role of telomeres can be a major point in the prevention of age-related diseases.

As part of the IMPACT Geenage project of the LORRAINE UNIVERSITY OF EXCELLENCE, clinicians and biologists are working together to determine how to translate advances in the subject into useful data for health, particularly in terms of preventive medicine.

Professor **Athanase Benetos**, professor of internal medicine and geriatrics at the University Hospital of Nancy, and Doctor **Simon Toupance**, associate professor in cell and molecular biology at the University of Lorraine, will respectively provide the perspectives of clinicians and biologists.

They will deal with the state of the art regarding telomeres and will detail the key periods of life for their constitution and preservation of this biological reserve. They will also address potential applications in the near future, all the while discussing their impacts in the context of public health, medico-economics, society, and ethics.

This research project from the Lorraine University of Excellence includes collaborations with studies of populations that present certain pathologies. The objective is to better understand the risk factor associated with the telomeric signature and to provide information allowing the refinement of treatments:

- Study of effects of Covid on elderly subjects,
- Study on childhood obesity, in collaboration with the University of Athens.



**Online Conference**  
hosted by **Lionel Cavicchioli**,  
head of health department  
at The Conversation France

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