

A close-up, shallow depth-of-field photograph of a violin. The violin is positioned diagonally across the frame, with its body in the upper left and its neck extending towards the lower right. The body is made of polished wood and is covered with a grid of small, white, circular markers, resembling a scientific or technical diagram. The f-hole is visible on the top plate. The violin is resting on a sheet of white paper with horizontal musical staves. The background is blurred, showing what appears to be a workshop or laboratory setting with various tools and equipment.

At the  
Collegium Musicæ  
the science of music  
**reson<sup>a</sup>tes**

# Knowledge in harmony

The Collegium Musicæ is an institute of Sorbonne University that brings together musicians and researchers to study creation, innovation, conservation and musical practice. Thanks to its broad range of expertise and federated institutions, the Collegium has a transverse approach to classical, popular and traditional music. This unique institute aims to carry out projects in touch with society issues.

10

DEPARTMENTS

250

RESEARCHERS  
AND ACADEMICS

150

PHD STUDENTS



**THE HARP UNDER ALL  
ITS STRINGS**

From the medieval harp to the modern harp, passing by the harp of Gabon: a one-day symposium at the crossroads of acoustics, ethnomusicology, pedagogy, history of music, organology and musical practice.



**LISTEN DIFFERENTLY**

Listening experiences through touch, using innovative sonotactile devices.

# Projects that make noise

The multidisciplinary community of the Collegium Musicæ shares skills in musicology, musical acoustics, sound technologies and computer science. The projects it leads are organized in three main themes.

## **The instruments of yesterday, today and tomorrow**

The relation between the instrument maker and musical interpretation, the inventiveness in the creation of hybrid instruments...

## **The musician's body**

Musical gesture, musical memory, physical and mental pathologies related to the practice of music, the history of playing and practicing music...

## **Sound and musical environments**

Development of methods to reconstruct past, current and future sound environments, analyzing the influence of soundscape on composition, interpretation and reception of musical works...



### **WHEN THE GUITAR ELECTRIFIES!**

A multidisciplinary conference on this fascinating object that has changed our way of life, thought and creation. The conference brings together musicologists, researchers, cultural-heritage curators, performers, manufacturers and collectors around.



### **CONCERT AND VIDEO RECORDING**

Interaction between the instrument and instrumentalist presented in concert, analysis of the percussionist's gesture and its 3D modeling, carried out by researchers in biomechanics.

# A work done in concert by 10 institutions

**IReMus**, Research Institute in Musicology (CNRS<sup>1</sup>, Sorbonne University, BnF<sup>2</sup>, Ministry of Culture)

**LAM**, Lutheries, Acoustics, Music from the Jean le Rond d'Alembert Institute, (CNRS, Sorbonne University, Ministry of Culture)

**STMS**, Sciences and Technologies of Music and Sound (CNRS, IRCAM, Ministry of Culture, Sorbonne University)

**RESEARCH CONSERVATION TEAM**  
Museum of Music, Cité de la Musique  
- Philharmonie de Paris, Center  
of Research on Conservation  
(CNRS, MNHN<sup>3</sup>, Ministry of Culture)

**DIVEC**, Diversity and Cultural Evolution, Eco-anthropology and Ethnobiology (CNRS, MNHN, Denis Diderot University)

**BMBI**, BioMechanics and Bioengineering (CNRS, UTC)

**THE MUSIC AND MUSICOLOGY DEPARTMENT** at Sorbonne University

**THE ENGINEERING DEPARTMENT**  
at Sorbonne University

**PSPBB**, Pole Superior of art education of Paris Boulogne-Billancourt

**COSU**, Choir & Orchestra  
Sorbonne University

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1-French National Center for Scientific Research | 2-French National Library | 3-French National Museum of Natural History

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