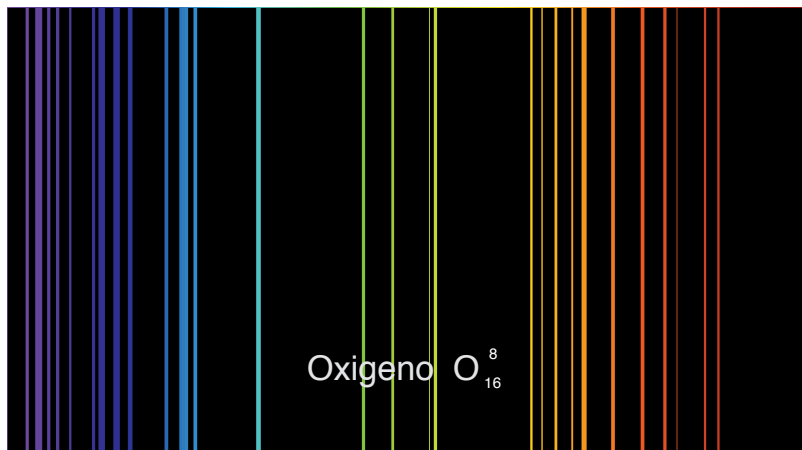


# A NEW EDITION OF THE PERIODIC TABLE:

A PROJECT OF THE UNIVERSITY OF BARCELONA FOLLOWING THE EXHIBITION FREQUENCIES,  
BY EUGÈNIA BALCELLS

In 1934, at the proposal of the Professor of chemistry Antonio García Banús (València 1888-Caracas 1955), the Periodic Table was painted on one of the walls of the Auditorium of General Chemistry of the University of Barcelona. It is a copy of the model proposed by Andreas von Antropoff (Tallin 1878? -1956), who designed it from former versions. It sustains the tabular structure and it includes explicitly some relations among groups of elements and also a code of colors in accordance with the group. Antropoff was a distinguished teacher of Physical Chemistry who worked at the University of Bonn. The Table was adopted by many European universities but, once attention had been paid to the collaboration of Antropoff with the Nazi regime, after the second world-wide war it was withdrawn from the educational centers. So, the paradox is given that the painting of the University of Barcelona, introduced by a Spanish republican, subsisted during Franco's dictatorship and it is today one of the few existing copies of the Table of Antropoff.



At the end of September of 2009, the multimedia artist Eugènia Balcells presented in the center Arts Santa Mònica of Barcelona her exhibition FREQUENCIES. It is an artistic journey for the world of colors and images that begins in the spectrum of emission of the elements of the Periodic Table -origin of what exists.

The exhibition, highly celebrated in the academic forums -from the primary and secondary schools network to the specialized university departments - has been awarded the National Prize for Visual Arts 2010 of the Generalitat de Catalunya.

The Vicerectorship of Arts, Culture and Heritage of the University of Barcelona has responded to the request of the Deans of the Faculties of Physics, Chemistry and Biology and it has pioneered the process of edition of this Periodic Table that includes the spectrum of emission of each element. An artistic proposal that allows to visualize a perspective often too much hidden of the composition of matter.

The project, now in hands of the artist and the Departments of Inorganic Chemistry and of Fundamental Physics of the University of Barcelona, foresees a collaboration with the Department of Education enabling the new poster to reach the primary and high schools as well as the University Faculties. The publication that is being prepared, besides the chemical symbology of each element, will be trilingual: Catalan, Spanish and English. So its distribution can be universal.

FREQUENCIES is offered to University Museums for its international circulation. The exhibition, that from its beginning has kept on growing in number of installations and diversifying its educational program, can be adapted to the hosting venue.

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