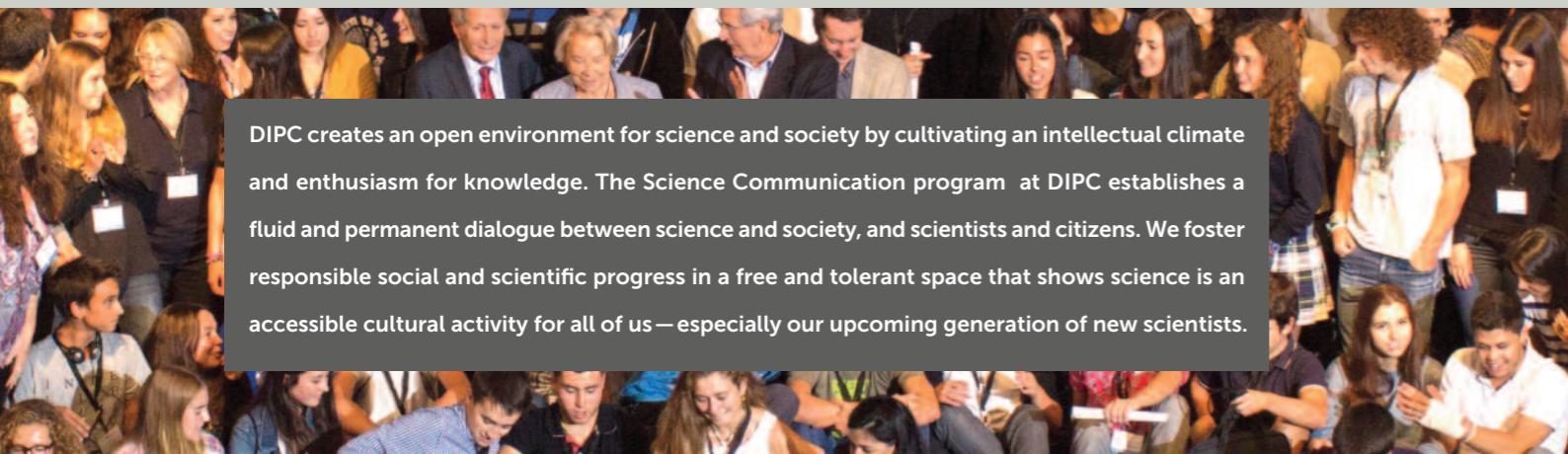


# Science Communication

## Events dedicated to integrating science into our society



DIPC creates an open environment for science and society by cultivating an intellectual climate and enthusiasm for knowledge. The Science Communication program at DIPC establishes a fluid and permanent dialogue between science and society, and scientists and citizens. We foster responsible social and scientific progress in a free and tolerant space that shows science is an accessible cultural activity for all of us—especially our upcoming generation of new scientists.

### Seminars by Nobel Laureates and Distinguished Scholars

High-profile scientists and scholars are invited to DIPC from time to time to give a seminar or share their experiences in science with young researchers and the general public in an informal manner.

**Jean Pierre Luminet** Observatoire de Paris, LUTH, France

"Recent developments in black holes physics and astrophysics" - 30/01/2014

**Andreu Mas-Colell** Minister of Economy and Knowledge of the Government of Catalonia, Spain

"Impulsando la investigación" - 28/02/2014

**Michaela Zimmermann** Max Planck Institut, International Division Society, Münich, Germany

"Max-Planck-Gesellschaft - Measures for international cooperation" - 21/05/2014

**Manuel Aguilar Benitez de Lugo** Spanish Royal Academy of Mathematics, Physics and Natural Sciences,

CIEMAT researcher and Former Vice-President of the CERN Council

"Fundamental Physics on the International Space Station" - 14/10/2014

**Luis Alvarez Gaumé** Subdirector, Division of Theoretical Physics, CERN, Switzerland

"Deconstructing Mass" - 14/10/2014

**Elena Cattaneo** Laboratory of Stem Cell Biology and Pharmacology of Neurodegenerative Diseases,

University of Milan, Italy

"Huntington's Disease from evolution to pathology" - 15/12/2014

**Albert Fert** Nobel Prize in Physics 2007, Unité Mixte de Physique CNRS/Thales, France

"Spin-orbitronics, a new direction for spintronics magnetic skyrmions, spin-orbit effects in 2D electron gas at surfaces and interfaces" - 15/12/2014

### Kutxa Lectures

This series of lectures, open to the general public, started in 2010 and are organized in collaboration with Kutxa Obra Social in San Sebastian. Lecturers include top scientists and Nobel Laureates but also science communicators and humanists working in the frontiers of science. This activity addressed to citizens interested in science is an active part of the cultural life of San Sebastian. This year's events were:

**Tomás Yerro Villanueva** Public University of Navarra and Ágora Universitaria, Spain

"La Poesía a la zaga de la Ciencia" - 06/03/2014

Included in the 4th edition of INSPIRACIÓN, a contest for scientific inspiration stories organized by FECYT and part of the Mestizajes program - 06/03/2014

**Giovanni Vignale** University of Missouri, USA

"Physics and Fiction: Viaje a través del alma de los físicos teóricos" - 19/06/2014

**José Ángel Martín Gago** Instituto de Ciencia de Materiales de Madrid (ICMM-CSIC), Spain

"El origen de la vida desde la nanociencia" - 26/08/2014

This lecture was part of the Fuerzas y Tunel 2014 Workshop.

### New Ways of Science Lectures

A cycle of talks organized jointly by Ernest Lluch Cultural Center from Donostia Kultura and DIPC in an attempt to bring our work closer to society. Scientists from DIPC introduce the fundamentals of Material Science and historical milestones in a clear and attractive way to the general public.

**Xabier López** Chemistry Faculty, University of the Basque Country, Spain

"Bailando con proteínas" - 19/03/2014

**Jesus Ugalde** Chemistry Faculty, University of the Basque Country, Spain

"Izarren hautsa egun batean bilakatu zen bizigai...,' bai ote?" - 04/11/2014



## Celebration of CERN's 60th Anniversary

Kutxa Lecture - 14/10/2014

"60 años del CERN: Física Teórica y Grandes Experimentos"

### Manuel Aguilar Benítez de Lugo

Spanish Royal Academy of Mathematics, Physics and Natural Sciences and Former Vice-President of the CERN Council, Spain

Milestones of CERN during its 60 years.

### Luis Alvarez Gaumé

Subdirector Division of Theoretical Physics, CERN, Switzerland

Theoretical physics developed at CERN.

Roundtable moderated by:

### Pedro Miguel Echenique,

President of DIPC and Professor of UPV/EHU

Mestizajes Talk at San Telmo Museoa - 15/10/2015

### Ariane Koek

Director Arts@CERN, Switzerland

"Colliding Words - Creative Collisions Between Arts and Science"

## II Encounter on Literature and Science: Reason, Intuition and Imagination in Literature and Science

18/11/2014 and 19/11/2014

Donostia-San Sebastian, Spain

The program included a workshop aimed at specialized public at Materials Physics Center (CFM) in the mornings, and public lectures with expert from different disciplines of science and other humanities open to all citizens at Kutxa Andia Hall in the afternoons.

See Workshops for detailed information.

## Mestizajes

Besides traditional forms of knowledge, DIPC explores alternative spaces lying at the boundaries among different disciplines. Mestizajes is a trans-disciplinary program that bridges the gap between artistic, social and scientific branches of Humanities. Through a series of workshops, lectures, stays and collaborations, the aim is to encourage people to take a critical look at reality from an innovative cutting-edge perspective. Projects such as, *Writer in Residence*, the theatre play *The Interview*, or the biannual *International Meeting on Literature and Science*, are carried out within this program.

### Tomás Yerro Villanueva

Public University of Navarra and Ágora Universitaria, Spain

"Poetas en la Corte de la Reina Ciencia"

Seminar at DIPC - 06/03/2014

### Ariane Koek

Director Arts@CERN, Switzerland  
"Colliding Words - Creative collisions Between Arts and Science"

Seminar at DIPC and Public Lecture at San Telmo Museoa, Donostia-San Sebastian 60's anniversary of CERN - 15/10/2014

## Science Week

DIPC participated in the Science Week of the UPV/EHU along with the Materials Physics Center (CFM) and CIC nanoGUNE. On the stand "Exploring the tiny", Master's, doctorate students, and postdoctorate researchers from our centers participated in demonstrating experiments and showing young students from the local schools the fundamentals and applications of nanoscience.

## top@DIPC Encounters

### Zientziarekin solasean!

DIPC held the sixth edition of the Encounters between Nobel laureates and leading researchers with high school students. In these encounters, guest scientists talk about their passion for science and research and respond to questions from the students about experiences throughout their professional careers. The main objective of these encounters is to foster students' interest in scientific and technological studies and kindle a passion for knowledge in their young minds. This year's encounters in Bilbao and San Sebastian brought together students and teachers from around Euskadi.

Gran Vía BBK Hall, Bilbao - 02/10/2014

### Claude-Cohen Tannoudji

Nobel Prize in Physics (1997)

### Juan Ignacio Cirac

Prince of Asturias Prize for Scientific and Technical Research (2006)

Attendance included 44 schools, 44 teachers and 137 students

Eureka! Zientzia Museoa, Donostia-San Sebastian 15/12/2014

### Albert Fert

Nobel Prize in Physics (2007)

### Elena Cattaneo

Science Prize in Medicine and the Gold Medal of the Italian Republic (2001)

Attendance included 48 schools, 49 teachers and 194 students

## High School Visits

In 2014, for the first time, DIPC and the Materials Physics Center opened their doors to groups of high school and Baccalaureate students from around Gipuzkoa. These students had the opportunity to meet our researchers and view our work close up. This makes nanoscience and research activity real to these young minds and provides guidance and encouragement to those who are considering a career in science. During this year, 173 students and 11 teachers from seven schools in Gipuzkoa visited our center.

## Conference by Jakiunde

DIPC along with Jakiunde (Basque Academy for Sciences, Arts and Letters) organized a day dedicated to Higgs Boson. The sessions were part of the program "Krisiak 2014" by Jakiunde.

### Hegoi Garitaonaindia CERN

"Large Hadron Collider y el detector ATLAS" - 03/04/2014

220 employees from Elay, a company that has manufactured more than 6.5 million metal parts for the Large Hadron Collider at CERN, learned about the operation of CERN and the implications of the discovery of the Higgs Boson.

### Pedro Miguel Etxenike

President of DIPC and Professor of UPV/EHU  
"De lo pequeño a lo grande. De lo simple a lo complejo. La sublime utilidad de la ciencia inútil"

At the Town Hall of Bergara

## ON zientzia

ON zientzia is a video contest organized yearly since 2010 by DIPC and Elhuyar Foundation, within the framework of Teknopolis, a popular TV program devoted to popularizing science and technology. The aim is to promote the production and dissemination of short, original videos on science and technology subjects. This year, the two prizes went to: Iñigo Onaindia for JUVENA: antxoa gaztearen bila, and Luis Navarro for Breaking the Rules.