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Science and Law Dialogues

February 2019

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It's a fact that scientific and technological developments are ahead of the legal classification that must safeguard and regulate their progress, in order to guarantee social and economic progress with the least possible amount of inequalities and distortions. Throughout history, the legal administration has been able to assume and adapt to the realities and challenges of each time, and it will have to do it again now. It's not about controlling, guiding or slowing down scientific progress –a task which is absolutely impossible- but rather about knowing more closely and in depth its current progress, and its future potential. We must correct that deficit that affects our world, academically, legally and professionally.

Fide and the Garrigues Foundation have held, for more than five years, sessions where lawmakers and scientists meet and discuss topics of varying natures. Both institutions have built the **Science and Law Dialogue Commission**, with the objective to research and gain knowledge on the different scientific fields, that because of their progress or complexity, have a need of this dialogue. They also organize **Work Groups**, with the goal to elaborate informed and agreed upon regulation proposals in our country about each topic of analysis, debate and reflection.

The goal is to promote lines of action and cooperation, between scientists and lawmakers, that result fruitful, and as a result, constitute a source of legislative proposals, educational, and other types that prove useful for society.

An initiative conceived to accommodate a space for debate and analysis between scientists and lawmakers

SCIENCE AND LAW COMMISSION

Fide y la Fundación Garrigues, have constituted a Commission of experts to actively promote a line of action between scientists and jurists to create concrete legislative proposals.

The Commission is directed by **Antonio Garrigues Walker**, President of the Garrigues Foundation, **Cristina Jiménez Savurido**, President of the FIDE Foundation, and **Pedro García Barreno**, Doctor in Medicine and Senior Fellow at the Complutense University.

The following professionals are members of the Commission:

- **Ignacio Astarloa**, Lawyer and Legal Adviser to the Cortes Generales. CMS consultant Albiñana Suárez de Lezo. Parliamentary, Administrative and Constitutional Law Professor at Pontific University of Comillas ICADE.
- **Ignacio Ayerdi**, Ex-President of Philips Iberica.
- **Ángel Carracedo**, Legal Medicine Professor at the Santiago de Compostela University.
- **María Emilia Casas**, Professor of Labour Law and Social Security. President Emeritus of the Constitutional Court. Elective State Councillor.
- **Ignacio Díez-Picazo**, Chaired Professor of Procedural Law at the Faculty of Law at the Universidad Complutense of Madrid.
- **Carlos Espósito**, Public International Law Professor at the Autonomous University of Madrid.
- **María Teresa Fernández de la Vega**, President of the State Council.
- **Luis Miguel González de la Garza**, Doctor in Law and Constitutional Law and State Theory Professor at UNED.
- **Ramón López de Mántaras**, Research Professor and CSIC and Founder and Director of the AI Research Institute at CSIC.

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Science and Law Dialogues Sessions

- **Scientific and Judicial Dialogues 16/06/2014**
- **Scientific fundamentals of the politics against the use of drugs in sports, 02/12/2014**
- **Means and methods of addressing knowledge: Interdisciplinary Nature, Transcience, Omniscopy y Culturomy, 03/02/2015**
- **Medical Research on underage children: What peculiarities do pediatric clinical trials present?, 26/02/2015**
- **Judicial decisions in uncertain scientific environments. Problems and strategies, 09/06/2015**
- **The challenges of genomics, 29/06/2015**
- **Beyond quietude, 21/10/2015**
- **Scientific politics and economical development, 18/11/2015**
- **The effects of medicine on children: Where is the difference?, 25/01/2016**
- **Presentation act of Dialogues with science, 02/02/2016**
- **The future of regenerative medicine, from stem cells to organ regeneration, 10/02/2016**
- **Towards the cure of child cancer: from clinical trials to individualized medicine, 16/03/2016**
- **The digital transformation of healthcare: Towards a holistic vision of health, Big Data and Collective Intelligence, 11/04/2016**

Science and Law Dialogues Sessions (II)

- **Longevity, cryopreservation and biological immortality, 14/04/2016**
- **Artificial Intelligence: Progress and obstacles, 21/04/2016**
- **Big Data and Collective Intelligence: Current status of European and Spanish legislation of Apps with regards to health, 05/05/2016**
- **Artificial Intelligence: Legal aspects, 14/06/2016**
- **The future of work and technology, 2050 horizon, 27/09/2016**
- **How valid is forensic evidence?, 16/01/17**
- **The difficult dialogue between law and genetics. Beyond bioethics, 2/02/2017**
- **Personalized medicine: A different perspective on the concept of illness, 22/03/17**
- **Neuroscience applied to advertising, marketing and communication, 2/10/17**
- **Autonomous cars. Challenges, opportunities and legislative barriers, 23/05/2018**
- **ABC of Artificial Intelligence and of Neuroscience, 1/10/2018**

Science and Law Dialogues Work Groups

The Work Groups organized consist of professionals of utmost prestige within the different professional areas, academia, business, scientific, or from the administration. These groups reflect on judicial matters and the most relevant advances of science to create proposals about regulation or of jurisprudencial interpretation.

Current Work Group that is currently being carried out:

- ❖ **Surrogacy:** Fide and the Garrigues Foundation have gathered a group of professionals of varying backgrounds: jurists, doctors, professors, jurists, with the intention of elaborating an informed and consensual proposal for the regulation of surrogacy to be developed in our country.
 - On October 8th, 2018 this group presented the “Proposal to reform the Spanish regulation on the registration of filiation relationships established abroad through surrogacy”. The document can be found in this [link](#) 

Science and Law Dialogues Work Groups (II)

- ❖ **WG. Neuroscience and Law:** Fide and the Garrigues Foundation have convened in this workgroup a set of professionals from **both the legal and healthcare sectors to advance in the study of this subject from a dual perspective**, and establish a **Neuroscience and Law Committee**, composed of upstanding scientists and jurists, that will favor mutual knowledge of the respective areas of interest, and contribute to improve scientific-legal knowledge of jurists, and legal training of scientists. All of this in the frame of an institutionalized structure, in permanent connection with the more representative legal and scientific authorities.

- ❖ **WG. DNA: Recommendations for the correct use of DNA analysis for forensic purposes::** Fide and the Garrigues Foundation have called on a set of professionals to reflect upon this matter, and elaborate an informative document to forward to the scientific and legal communities.
 - **On March 19th 2019, the Document with the Recommendations developed by the Working Group will be presented in Fide.**

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We have had the privilege of counting with:

- ❑ **Ramón López de Mantaras**, Research Professor at CSIC and Founder and Director of the Artificial Intelligence Research Institute, CSIC
- ❑ **Cristobal Belda**, Oncologist and Director of R&D at HM Hospital Group
- ❑ **Rodolfo Miranda**, Physics professor, Department of Physics of Condensed Matter, Autonomous University of Madrid, Spain. Director of the Institute of Advanced Research of Nanoscience of Madrid (IMDEA-Nanociencia)
- ❑ **Eduardo López-Collazo**, Scientific Director, IdiPAZ
- ❑ **Rosario Perona**, Research professor at CSIC and member of the Institute of Biomedical Research (CSIC/UAM)
- ❑ **Pedro García Barreno**, Doctor in Medicine. Emeritus Professor, Complutense University
- ❑ **José Esteve Pardo**, Professor of Administrative Law, University of Barcelona
- ❑ **Angel Carracedo**, Professor of Legal Medicine, University of Santiago de Compostela
- ❑ **José Miguel García Sagredo**, Full member of the Royal National Medical Academy. Honorary Professor at the Alcalá University.
- ❑ **Ignacio Ayerdi**, Ex-president, Philips Iberica

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- ❑ **Maria Asunción Peiré**, Doctor, Catalan Institute of Health. Specialist in Pediatric Pharmacology
- ❑ **Jorge Villagra Serrano**, Senior Scientist, Head of Autopia Program, Centre for Automation and Robotics, CSIC
- ❑ **Luca Mezzetti**, Professor of Administrative Law, University of Bologna Law School, Italy
- ❑ **Fernando Morales**, Vice-president, Head of Legal Philips Diagnostic Imaging of Royal Philips
- ❑ **Luis Miguel González de la Garza**, Doctor in Law credited by ANECA and Professor of Constitutional law and State Theory, UNED
- ❑ **Luis Fernández Antelo**, Contentious-administrative Judge, Supreme Justice Court of Madrid
- ❑ **Alberto Palomar**, Titular Professor of Administrative Law (Credited by ANECA), Carlos III University of Madrid. Contentious-administrative Judge
- ❑ **Jerome Glen**, Executive Director of the Millennium Project
- ❑ **Antonio Pérez Martínez**, Attending physician, Hemato-Oncology Unit and Hematopoietic Transplant, La Paz teaching Hospital
- ❑ **Ignacio Palomo**, Director of Ginexlab and Clínica Palomo
- ❑ **José Luis Cordeiro**, Director, The Millennium Project, Venezuela Node. Founding Faculty, Singularity University, NASA Research Park, California, USA
- ❑ **Francisco Rubia Vila**, Professor Emeritus of the Complutense and Ludwig Maximilian Universities of Munich

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Graphene culturomics Neurosciences Big data Creation of Organs

Health Apps control of sport drugs genomics investments

metastasis transcience omniCopics personalized medicine

scientific uncertainty DNA y Phorensic Evidence Interdisciplinary nature

Electronic vote Pediatric clinical pharmacology regenerative medicine

assisted reproduction

Metastasis Theory Science & religion Nanoscience

Research

Pediatric clinical trials genetics stem Cells

Cognitive distortions Longevity and cryopreservation

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Besides the usual professionals that attend the sessions we would like to highlight some of the institutions that have participated in the Dialogue with science sessions:

Escuela Nacional de Sanidad

Royal National Medicine Academy(RANM)

Predictive Medicine Institute

Catalan Health Institute

IdiPAZ

Fernando Pombo Foundation

Professor Uría Foundation

Salud 2000 Foundation

**Artificial Intelligence Research Institute
(CSIC)**

Oficina Española de Patentes y Marcas

**National Center of Accessibility
Technologies (CENTAC)**

Spanish Agency of Data Protection

Vidaplus Foundation

Botín Foundation

**Clinical Research Organization,
Chiltern International Spain**

Attendance profile at the Science & Law Dialogues sessions

We gather professionals from:

- ✓ **Companies**
- ✓ **Public Administration**
- ✓ **Law Firms**
- ✓ **Universities**
- ✓ **Other institutions**
- ✓ **All of them either national or international**

We establish a dialogue between: lawmakers, economists, scientists (mathematicians, doctors, physicists, biologists, pharmacists, chemists, engineers, computer scientists, ...), etc...

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