



International Center  
for Scientific Debate  
BARCELONA



# FIGHTING BLINDNESS

## FUTURE CHALLENGES AND OPPORTUNITIES FOR VISUAL RESTORATION

**Tuesday, September 6<sup>th</sup>, 2016**

PRELIMINARY PROGRAM

CAIXAFORUM, AVGDA. FRANCESC FERRER I GUÀRDIA 6-8, BARCELONA

**8:30**      **Welcome**

**9:00**      **SESSION 1: MOLECULAR PATHOLOGY AND BIOMARKERS IN AGE-RELATED  
MACULAR DEGENERATION (AMD)**

Chairs: **Marco Zarbin** (New Jersey Medical School, USA), **Jayakrishna Ambati**  
(University of Kentucky, USA)

**9:00**      **Macular degeneration. Where we are in clinical practice**  
**Jordi Monés**(BMF, Barcelona)

**9:20**      **Anti PDGF therapy for exudative AMD: addressing the fibrosis pathway**  
**Samir Patel**(Ophthotech, USA)

**9:35**      **Biomarkers in AMD**  
**Marius Ueffing**(Institute for Ophthalmic Research EKUT, Germany)

**9:50**      **Towards a systems-oriented view of the molecular pathology of AMD**  
**Christina Kiel** (CRG, Barcelona)

**10:05**      **Cellular response associated to retinal diseases and therapeutics approaches**  
**Nicolas Cuenca**(Alicante University, Alicante)

**10:20**      **Towards a system-oriented view of the molecular pathology of AMD**  
**Luis Serrano** (CRG, Barcelona)

**10:35**      **KEYNOTE SPEAKER: A molecular road to a therapy for Dry AMD**  
**Jayakrishna Ambati**(University of Kentucky, USA)

**11:10**      **Open debate**

**11:30**      **Coffee break**

COORGANIZED BY:





International Center  
for Scientific Debate  
BARCELONA



# FIGHTING BLINDNESS

## FUTURE CHALLENGES AND OPPORTUNITIES FOR VISUAL RESTORATION

**Tuesday, September 6<sup>th</sup>, 2016**

PRELIMINARY PROGRAM

CAIXAFORUM, AVGDA. FRANCESC FERRER I GUÀRDIA 6-8, BARCELONA

**12:00 SESSION 2: NANOTECHNOLOGY**

Chairs: **Jose Luis Pedraz** (Universidad del País Vasco, Vitoria), **Joan Parra** (Fundació LEITAT, Barcelona)

**12:00 Nanoparticles as an ideal platform for multimodality: the case of the eye**  
**Victor Puntès** (ICN2, Barcelona)

**12:20 Non-viral gene delivery for the treatment of inherited retinal disorders**  
**Gustavo Puras Ochoa** (University of the Basque Country, Vitoria)

**12:35 Title to be defined**  
**Gema Martínez Navarrete** (Miguel Hernandez University, Elche)

**12:50 Open debate**

**13:10 Poster session & discussion**

**13:40 Lunch**

**14:40 SESSION 3: GENETICS AND GENE THERAPY**

Chairs: **Eduardo Fernández** (Miguel Hernández University, Alicante)

**14:40 Genetics. The case of the EYE RISK project**  
**Caroline Klaver** (Erasmus University, Netherlands)

**15:00 The role of mitochondrial genetics on the development of AMD**  
**Baruch Kupperman** (University of California, USA)

**15:20 Gene therapy in retinal degenerative diseases. Could this be a useful therapeutic alternative for AMD**  
**Francisco Díaz Corrales** (CABIMER, Sevilla)

**15:40 Open debate**

COORGANIZED BY:





International Center  
for Scientific Debate  
BARCELONA



# FIGHTING BLINDNESS

## FUTURE CHALLENGES AND OPPORTUNITIES FOR VISUAL RESTORATION

**Tuesday, September 6<sup>th</sup>, 2016**

PRELIMINARY PROGRAM

CAIXAFORUM, AVGDA. FRANCESC FERRER I GUÀRDIA 6-8, BARCELONA

**16:00 SESSION 4: PHOTONICS AND IMAGING**

Chairs: **Jordi Monés** (BMF), **Samir Patel** (Ophtotech, USA)

**16:00 High resolution retinal imaging: the case of LITE project**

**David Merino**(ICFO, Barcelona)

**16:15 The use of microscopy for ophthalmological applications**

**Pablo Loza**(ICFO, Barcelona)

**16:30 From taking a PEEK to wide-field imaging: how imaging best serves translational research?**

**Tunde Peto**(Moorfields Eye Hospital NHS Foundation Trust, UK)

**16:45 Open debate**

**17:00 Coffee break**

**17:30 SESSION 5: OPTOGENETICS AND ARTIFICIAL VISION**

Chairs: **Nicolas Cuenca** (Alicante University, Alicante), **Marius Ueffing** (Institute for Ophthalmic Research EKUT, Germany)

**17:30 Artificial Vision**

**Eduardo Fernández**(Miguel Hernández University, Alicante)

**17:50 KEYNOTE SPEAKER: OPTOGENETICS**

**Marco Zarbin**(New Jersey Medical School, USA)

**18:25 Open debate**

COORGANIZED BY:





International Center  
for Scientific Debate  
BARCELONA



# FIGHTING BLINDNESS

FUTURE CHALLENGES AND OPPORTUNITIES  
FOR VISUAL RESTORATION

**Wednesday, September 7<sup>th</sup>, 2016**

PRELIMINARY PROGRAM

CAIXAFORUM, AVGDA. FRANCESC FERRER I GUÀRDIA 6-8, BARCELONA

**8:30 SESSION 6: REGENERATIVE THERAPY. STEM CELLS**

Chairs: **Anna Veiga** (CMRB, Barcelona)

**8:30 Advanced cell therapies for AMD**

**Berta de la Cerda Haynes** (CABIMER, Sevilla)

**8:50 Title of lecture pending**

**Anna Veiga** (CMRB, Barcelona)

**9:10 Use of induced pluripotent stem cells and direct lineage reprogramming  
in cell therapy for eye regenerative medicine**

**Ana Belen Alvarez** (UB, Barcelona)

**9:30 Improving the quality and characterisation of stem cell reprogramming  
and analysing the genomic stability and immune response**

**Michael Edel** (UB, Barcelona)

**9:50 Adult progenitor stem cells: applications for cell-based therapy in  
degenerative retinal diseases**

**Ricardo Casaroli** (Hospital Clínic of Barcelona, Barcelona)

**10:10 Fusion cell therapy**

**Pia Cosma** (CRG, Barcelona)

**10:30 Open debate**

**10:50 Poster session and discussion**

COORGANIZED BY:





International Center  
for Scientific Debate  
BARCELONA



# FIGHTING BLINDNESS

## FUTURE CHALLENGES AND OPPORTUNITIES FOR VISUAL RESTORATION

**Wednesday, September 7<sup>th</sup>, 2016**

PRELIMINARY PROGRAM

CAIXAFORUM, AVGDA. FRANCESC FERRER I GUÀRDIA 6-8, BARCELONA

- 11:30**     **SESSION 7: ROUND TABLE. FROM BENCH TO BEDSIDE**  
Chairs: **Josep Samitier** (IBEC, Barcelona), **Joan Parra** (Fundació LEITAT, Barcelona)
- 11:30**     **Research transfer**  
**Josep Samitier** (IBEC, Barcelona)
- 11:45**     **Innovative schemes though demand-driven procurement for procuring early detection services: the case of the PRO4VIP**  
**Ramon Maspons** (AQUAS, Generalitat de Catalunya, Barcelona)
- 12:00**     **Technology transfer**  
**Joan Parra** (Fundació LEITAT, Barcelona)
- 12:15**     **KEYNOTE SPEAKER: HIV brought us to Microbiome study**  
**Bonaventura Clotet** (IrsiCaixa, Badalona)
- 12:45**     **Open discussion**
- 13:10**     **Concluding remarks**  
**Joan Parra** (Fundació LEITAT, Barcelona)  
**Jordi Monés** (BMF, Barcelona)

COORGANIZED BY:

