

**I Scientific Collaboration Symposium**  
**Rheumatology, and Aging and Inflammation Groups**  
**INIBIC**

Burden Cause  
Musculoskeletal Disorders  
Homeostasis Mechanism Risk Factors Incidence  
Senescence Oxidative Stress Mitochondria  
**Aging Related Diseases**  
Haplogroups Early Cardiovascular Diseases  
Chronic Prevention Cybrids Therapeutic Health  
Cancer Age Research Reprogramming  
Patients Progression Biomarkers Onset

**MECHANISM OF AGING-RELATED DISEASES**

**March 30, 2017**  
**09:30-14:00**  
**Paraninfo da UDC**  
*Rua da Maestranza, 9*  
*15001, A Coruña*

**Se requiere inscripción:**

**[Administracion.Web.INIBIC.Coruna@sergas.es](mailto:Administracion.Web.INIBIC.Coruna@sergas.es)**

**(Asunto: Inscripción MARD)**

# MECHANISM OF AGING-RELATED DISEASES

## Scientific Organizers

María José López Armada, Beatriz Caramés, Francisco J. Blanco García

### 09.30-10.00 **Welcome**

**Francisco J. Blanco García.** Director Científico del Instituto de Investigación Biomédica de A Coruña (INIBIC)

**José Manuel Vázquez Rodríguez.** Coordinador de Docencia e I+D+i, Complejo Hospitalario Universitario A Coruña

### 10.00-11.00 **Session I. Mitochondria and Aging**

Moderator: Ignacio Rego. INIBIC, A Coruña

#### 10:00-10.45 **Mitochondria shape metabolism**

**Keynote Speaker.** José Antonio Enríquez. Investigador principal. Grupo de Genética Funcional del Sistema de Fosforilación Oxidativa, CNIC-Madrid

#### 10.45-11.00 **In vitro studies using cybrids show that mtDNA from healthy and OA patients have different mitochondrial activity.**

Mercedes Moreno. Investigadora Postdoctoral CIBER BBN-INIBIC, A Coruña

### 11.00-12.15 **Session II. Aging and Oxidative Stress**

Moderator: María Arufe. INIBIC, A Coruña

#### 11:00-11.45 **Redox regulation of chondrocyte signaling and osteoarthritis**

**Keynote Speaker.** Richard Loeser. Professor, Division of Rheumatology, Allergy and Immunology. Director of Basic and Translational Research, Thurston Arthritis Research Center, Chapel Hill, NC, USA

- 11.45-12.00 **Targeting cartilage aging as osteoarthritis therapeutics by drug repurposing.** Uxia Nogueira. Investigadora Predoctoral. Grupo Biología del Cartílago, Reumatología, INIBIC, A Coruña
- 12.00-12.15 **Modulation of inflammation and oxidative stress by diet in rheumatoid arthritis.** Jennifer Adriana Fernández Rodríguez. Investigadora Predoctoral. Grupo de Envejecimiento e Inflamación, INIBIC, A Coruña
- 12.15-12.45 Coffee Break
- 12.45-13.45 **Session III. Reprogramming Aging**  
Moderator: Angélica Figueroa. INIBIC, A Coruña
- 12.45-13:30 **Reprogramming in cancer and aging**  
**Keynote Speaker.** Manuel Collado. Investigador principal. Grupo de Células Madre en Cáncer y Envejecimiento, IDIS, Santiago de Compostela
- 13.30-13.45 **Chondrogenic differentiation of human iPS on bioactive scaffolds as an alternative for treatment of articular disorders.**  
Clara Sanjurjo. Investigadora Postdoctoral. Grupo Terapia Celular y Medicina Regenerativa, INIBIC, A Coruña
- 13.45-14:00 **Closing Symposium**  
**Salvador Naya Fernández.** Vicerrector de Política Científica, Investigación y Transferencia de la UDC  
**Francisco J. Blanco García.** Director Científico del INIBIC