



## Radiología y Medicina Física

**Áreas de conocimiento:** Radiología y Medicina Física

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Profesorado: CU: 1 PTU: 6, PDI Contratado: 2 y AA.CC.S: 10

### Grupos de Investigación.

CTS426 AGENTES FISICOS Y ODONTOLOGIA

- Responsable: JUAN VILLALBA MORENO

CTS206 ONCOLOGIA BASICA Y CLINICA

- Responsable: VICENTE PEDRAZA MURIEL

CTS434 ONCOLOGIA E INMUNOLOGIA MOLECULAR

- Responsable: JOSÉ MARIANO RUIZ DE ALMODOVAR RIVERA

### Dirección y participación en Proyectos I+D

- 2017 Carga obesogenica total efectiva: nuevo biomarcador de efecto combinado a "obesogenos" como factor de riesgo en obesidad., , 01/01/2017-31/12/2019

Investigador MARIANA FATIMA FERNANDEZ CABRERA

- 2017 Exposición del recién nacido de muy bajo peso a disruptores endocrinos (DEs) en la Unidad de Cuidados Neonatales (UCIN) y evaluación de las consecuencias sobre el desarrollo., , 01/01/2017-31/12/2019

Coordinador NICOLAS OLEA SERRANO

- 2017 Desarrollo de Un Procedimiento para la Minimización de la Presencia de Fármacos Antineoplásicos de Origen Hospitalario., , 02/01/2017-31/12/2019

Investigador/a NICOLAS OLEA SERRANO

- 2017 HBM4EU - European Human Biomonitoring Initiative, Competitivo, 01/01/2017-31/12/2021

Responsable NICOLAS OLEA SERRANO

- 2017 CONTRIBUCIÓN DE LA EXPOSICIÓN HUMANA A DISRUPTORES ENDOCRINOS EN EL RIESGO Y DESARROLLO DE ENDOMETRIOSIS, Competitivo, 01/03/2017-28/02/2019

Investigador/a MARIANA FATIMA FERNANDEZ CABRERA

Investigador/a NICOLAS OLEA SERRANO

Investigador/a MARIA ISABEL NUÑEZ TORRES

Investigador/a JUAN PEDRO ARREBOLA MORENO

Investigador/a CARMEN FREIRE WARDEN

- 2017 Exposición a pesticidas no persistentes disruptores endocrinos y función reproductiva en niños adolescentes: estudio transversal en la cohorte INMA-Granada, , 23/01/2017-23/01/2020

Investigador CARMEN FREIRE WARDEN

- 2017 Implementation of a novel integrated platform to monitor tumour heterogeneity as a crucial determinant for individualized diagnostic and therapeutic outcome, , 02/01/2017-

Investigador MARIA ISABEL NUÑEZ TORRES

- 2017 The role of human biomonitoring in assessing and managing chemical risks European Commission, , 02/01/2017-

Investigador/a MARIA ISABEL NUÑEZ TORRES

- 2017 Marcadores de estrés oxidativo y exposición a mezclas complejas de contaminantes químicos como factores de riesgo de patologías crónicas asociadas a la obesidad, , 01/01/2017-31/12/2019

Investigador JUAN PEDRO ARREBOLA MORENO

- 2016 Radiosensibilización del cáncer mediante células madre mesenquimales activadas, Competitivo, 26/01/2016-25/07/2016

Responsable JOSÉ MARIANO RUIZ DE ALMODOVAR RIVERA

- 2016 Evaluación de la exposición a metales y efectos en la salud de la población residente en el distrito industrial de Santa Cruz, Rio de Janeiro, , 01/01/2016-

Investigador/a CARMEN FREIRE WARDEN

- 2016 Relationship of historical exposure to bisphenol-A, parabens and UV-filters with markers of the Metabolic Syndrome: a prospective study in the EPIC-Granada cohort, , 01/01/2016-31/12/2018

Investigador JUAN PEDRO ARREBOLA MORENO

### Publicaciones en revistas

- 2017 Artículo: Changes in the total effective xenoestrogen burden (TEXB) of breast cancer patients during an 18-month post-surgical follow-up., Reproductive Toxicology, 69, , 212-220

MARIANA FATIMA FERNANDEZ CABRERA

NICOLAS OLEA SERRANO

- 2017 Artículo: Human adipose tissue levels of persistent organic pollutants and metabolic syndrome



- components: Combining a cross-sectional with a 10-year longitudinal study using a multi-pollutant approach., Environment International, 104, , 48-57
- JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2017 Articulo: Assumed non-persistent environmental chemicals in human adipose tissue; matrix stability and correlation with levels measured in urine and serum., Environmental Research (Online), 156, , 120-127
- JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2017 Articulo: Assessment of parabens and ultraviolet filters in human placenta tissue by ultrasound-assisted extraction and ultra-high performance liquid chromatography-tandem mass spectrometry., Journal of Chromatography A, 1487, , 153-161
- MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2017 Articulo: Human biomonitoring as a tool to support chemicals regulation in the European Union., International Journal of Hygiene and Environmental Health, 220, , 94-97
- NICOLAS OLEA SERRANO
- 2017 Articulo: Serum levels of organochlorine pesticides in blood donors: A biomonitoring survey in the North of Brazil, 2010-2011, Science of the Total Environment, 598, , 722-732
- CARMEN FREIRE WARDEN
- 2017 Articulo: The INMA-INFancia y Medio Ambiente-(Environment and Childhood) project: More than 10 years contributing to environmental and neuropsychological research., International Journal of Hygiene and Environmental Health, , X, X-X
- MARIANA FATIMA FERNANDEZ CABRERA
- 2017 Articulo: The Influence of Meteorological Factors and Atmospheric Pollutants on the Risk of Preterm Birth., American journal of epidemiology, 185, 4, 247-258
- MARIANA FATIMA FERNANDEZ CABRERA
- 2017 Articulo: Radiofrequency exposure in the Neonatal Medium Care Unit., Environmental Research, 152, , 66-72
- MARIA ISABEL NUÑEZ TORRES  
MARIANA FATIMA FERNANDEZ CABRERA
- 2017 Articulo: Occupational exposure to pesticides, reproductive hormone levels and sperm quality in young Brazilian men, Reproductive Toxicology, 67, , 174-185
- CARMEN FREIRE WARDEN
- 2017 Articulo: Diagnostic accuracy of serum alanine aminotransferase as biomarker for nonalcoholic fatty liver disease and insulin resistance in healthy subjects, using 3T MR spectroscopy., Medicine, 96, 17, e6770-
- JUAN PEDRO ARREBOLA MORENO
- 2016 Articulo: Bisphenol A and other phenols in human placenta from children with cryptorchidism or hypospadias, Reproductive Toxicology, 59, , 89-95
- JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2016 Articulo: Exposure to bisphenol A and behavior in school-age children, Neurotoxicology, 53, , 12-19
- MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2016 Articulo: Effectiveness of the cold chain control procedure in the retail sector in Southern Spain, Food Control, 59, , 614-618
- MARIA TERESA VALENZUELA CLAROS
- 2016 Articulo: Determination of Personal Care Products- benzophenones and parabens- in human menstrual blood, Journal Of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 1035, , 57-66
- MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO
- 2016 Articulo: Management of interruptions to fractionated radiotherapy treatments: Four and a half years of experience, Physica Medica: European Journal of Medical Physics, 32, 12, 1551-1558
- ISABEL CASTILLO PEREZ
- 2016 Articulo: Does Exposure to Environmental radiofrequency electromagnetic fields cause cognitive and behavioral effects in 10-year-old boys?, Bioelectromagnetics, 37, 1, 25-36
- MARIA ISABEL NUÑEZ TORRES  
MARIANA FATIMA FERNANDEZ CABRERA  
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- 2016 Articulo: Total Effective Xenoestrogen Burden in Serum Samples and Risk for Breast Cancer in a



- Population-Based Multicase-Control Study in Spain, Environmental Health Perspectives, 124, 10, 1575-1582  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Contribution of Persistent Organic Pollutant Exposure to the Adipose Tissue Oxidative Microenvironment in an Adult Cohort: A Multipollutant Approach., ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 50, 24, 13529-13538  
JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
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- 2016 Artículo: Associations of persistent organic pollutants in serum and adipose tissue with breast cancer prognostic markers, Science of the Total Environment, 566, 567, 41-49  
JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
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- 2016 Artículo: Occupational Exposure to Endocrine-Disrupting Chemicals and Birth Weight and Length of Gestation: A European Meta-Analysis., Environmental Health Perspectives, 124, 11, 1785-1793  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Genome-wide DNA methylation study in human placenta identifies novel loci associated with maternal smoking during pregnancy., International Journal of Epidemiology, 45, 5, 1644-1655  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Determination of endocrine-disrupting chemicals in human milk by dispersive liquid-liquid microextraction, Bioanalysis, 8, 17, 1777-1791  
JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Urinary levels of bisphenol A, benzophenones and parabens in Tunisian women: A pilot study., Science of the Total Environment, 562, , 81-88  
JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: The safety of the use of bisphenol A in medical devices., Regulatory Toxicology and Pharmacology, 79, , 106-107  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Prenatal Ambient Air Pollution, Placental Mitochondrial DNA Content, and Birth Weight in the INMA (Spain) and ENVIRONAGE (Belgium) Birth Cohorts., Environmental Health Perspectives, 124, 5, 659-665  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Compensated reduction in Leydig cell function is associated with lower semen quality variables: a study of 8182 European young men., Human Reproduction, 31, 5, 947-957  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
- 2016 Artículo: Prenatal exposure to mixtures of xenoestrogens and genome-wide DNA methylation in human placenta., Epigenomics (Print), 8, 1, 43-54  
MARIANA FATIMA FERNANDEZ CABRERA  
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- 2016 Artículo: Occupational Exposure to Endocrine-Disrupting Chemicals and Birth Weight and Length of Gestation: A European Meta-Analysis., Environmental Health Perspectives, 124, 11, 1785-1793  
MARIANA FATIMA FERNANDEZ CABRERA  
- 2016 Artículo: Characterisation of exposure to non-ionising electromagnetic fields in the Spanish INMA birth cohort: study protocol., BMC Public Health, 16, , 167-  
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- 2016 Artículo: Prenatal exposure to mixtures of xenoestrogens and genome-wide DNA methylation in human placenta., Epigenomics (Print), 8, 1, 43-54  
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- 2016 Artículo: Exposure to Bisphenol A and Phthalates during Pregnancy and Ultrasound Measures of Fetal Growth in the INMA-Sabadell Cohort., Environmental Health Perspectives, 124, 4, 521-528  
MARIANA FATIMA FERNANDEZ CABRERA  
- 2016 Artículo: Exposure to non-persistent pesticides and thyroid function: A systematic review of epidemiological evidence, International Journal of Hygiene and Environmental Health, 219, , 481-497  
CARMEN FREIRE WARDEN



- 2016 Artículo: Pesticide exposure and thyroid function in an agricultural population in Brazil, Environmental Research, 151, , 389-398  
CARMEN FREIRE WARDEN
- 2016 Artículo: Associations of maternal o,p'-DDT and p,p'-DDE levels with birth outcomes in a Bolivian cohort, Environmental Research (Online), 151, , 151-477  
JUAN PEDRO ARREBOLA MORENO
- 2016 Artículo: Assessment of essential and nonessential dietary exposure to trace elements from homegrown foodstuffs in a polluted area in Makedonska Kamenica and the Kočani region (FYRM)., Science of the Total Environment, 15, 559, 204-211  
JUAN PEDRO ARREBOLA MORENO
- 2016 Artículo: 33P Prognostic factors associated with lung cancer survival. A population-based study in the South of Spain., Journal of Thoracic Oncology, 11, 4, S69-S69  
JUAN PEDRO ARREBOLA MORENO

#### Libros

- NUEVOS AVANCES EN EL DIAGNÓSTICO POR LA IMAGEN EN LA PRÁCTICA ODONTOLÓGICA  
Juan de Dios López-González Garrido  
ISBN: AE-2017-17001898  
Depósito legal: GR 154-2017

#### Capítulos de libros (con ISBN)

- 2016 Título Capítulo: Pesticides and thyroid function, Título Libro: Thyroid toxicity: Bentham Science Publishers, , 2016,  
CARMEN FREIRE WARDEN
- 2016 Título Capítulo: Endocrine disruptors and the gonadal axis, Título Libro: Endocrinología Feminina e Andrología: Guanabara Koogan Ltda., , 2016,  
CARMEN FREIRE WARDEN

#### Contribuciones en congresos

- 2017 Comunicación en congreso: Exposición combinada a disruptores endocrinos en la cohorte Infancia y Medioambiente-INMA, XXXV Reunión científica anual de la SEE y XII Congresso da Associação Portuguesa de Epidemiología (APE), 06/09/2017, BARCELONA, ESPAÑA, Congreso  
NICOLAS OLEA SERRANO  
MARÍA JOSÉ LOPEZ ESPINOSA  
JUAN PEDRO ARREBOLA MORENO  
MARIANA FATIMA FERNANDEZ CABRERA
- 2016 Comunicación en congreso: Bisphenol-A and other bisphenol-A congeners promotes adipogenic differentiation of human adipose stromal/stem cells, 2nd Paris Workshop on Endocrine Disruptors Effects on Wildlife and Human Health, 21/01/2016, , Congreso  
JUAN PEDRO ARREBOLA MORENO  
NICOLAS OLEA SERRANO  
MARIANA FATIMA FERNANDEZ CABRERA
- 2016 Comunicación en congreso: EXPOSICIÓN A CONTAMINANTES ORGÁNICOS PERSISTENTES COMO FACTOR DE RIESGO DE PATOLOGÍAS ASOCIADAS A LA OBESIDAD, XXXIV REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE EPIDEMIOLOGÍA Y XI CONGRESO DA ASSOCIAÇÃO PORTUGUESA DE EPIDEMIOLOGIA, 14/09/2016, , Congreso  
MARIANA FATIMA FERNANDEZ CABRERA  
NICOLAS OLEA SERRANO  
JUAN PEDRO ARREBOLA MORENO
- 2016 Ponencia en Congreso: DETERMINATION OF BISPHENOLS WITH ESTROGENIC ACTIVITY IN BABY FOOD SAMPLES BY SOLID-LIQUID EXTRACTION AND CLEAN-UP WITH DISPERSIVE SORBENTS FOLLOWED BY GC-MS/MS ANALYSIS, XVI Reunión Científica de la Sociedad Española de Cromatografía y Técnicas Afines- SECyTA 2016, 02/11/2016, Sevilla, Congreso  
NICOLAS OLEA SERRANO