

Curriculum Vitae

Personal information Irene Saugar Gomez

Work experience

1. Employer: Spanish Agency of Medicines and Medical Devices
 - Start date: 02/2018
 - End date:
 - Position: Quality Assessor of biological human medicinal products
 - Activities:
 - Country: Spain
2. Employer: Centro de Biología Molecular Severo Ochoa, CSIC_UAM, Madrid
 - Start date: 07/2010
 - End date: 01/2018
 - Position: Postdoctoral researcher
 - Activities: Research area: Eukaryotic Chromosome Replication and Genome Stability Maintenance
 - Country: Spain
3. Employer: Cancer Research UK, LRI_Clare Hall Laboratories
 - Start date: 03/2006
 - End date: 05/2010
 - Position: Postdoctoral researcher
 - Activities: Research area: Eukaryotic Chromosome Replication and Genome Stability Maintenance
 - Country: United Kingdom
4. Employer: Centro Nacional de Biotecnología, CSIC, Madrid
 - Start date: 01/2003
 - End date: 02/2006
 - Position: Postdoctoral researcher
 - Activities: Research area: Structural study of IBDV virus
 - Country: Spain
5. Employer: Centro de Biología Molecular Severo Ochoa, CSIC_UAM, Madrid
 - Start date: 09/1996
 - End date: 12/2002
 - Position: PhD student and Postdoctoral researcher
 - Activities: Research area: Molecular study of Antibiotics Biosynthesis and Resistance in bacteria
 - Country: Spain
6. Employer: Centro de Investigación Básica SmithKline Beecham, Tres Cantos, Madrid
 - Start date: 07/1995
 - End date: 01/1996
 - Position: Practical Training Student
 - Activities: Research area: Molecular study of Antibiotics Biosynthesis and Resistance in bacteria
 - Country: Spain

Education and training

1. Subject: Universidad Autónoma de Madrid
 - Start date: 10/1996
 - End date: 12/2000
 - Qualification: Ph.D. in Biological Sciences (Biochemistry and Molecular Biology)
 - Organisation: Antibiotics biosynthesis and resistance. Molecular Biology. Biochemistry. Microbiology
 - Country: Spain
2. Subject: Universidad Autónoma de Madrid
 - Start date: 09/1991
 - End date: 09/1996
 - Qualification: Bachelor degree in Sciences (Biology)
 - Organisation:
 - Country: Spain

Additional information

Publications

1. Lehmann CP, Saugar I, Tercero JA (2021) "Microscopy for Analysis of Relocalization of Structure_Specific Endonucleases" *Methods Mol Biol.* 2021;2153:521_534
2. Jiménez_Martín A, Saugar I, Joseph CR, Mayer A, Lehmann CP, Szakal B, Branzei D, Tercero JA (2020) "The Mgs1/WRNIP1 ATPase is required to prevent a recombination salvage pathway at damaged replication forks" *Sci Adv.* 2020 Apr 8;6(15):eaaz3327.
3. Saugar I, Jiménez_Martín A, Tercero JA (2017) "Subnuclear Relocalization of Structure_Specific Endonucleases in Response to DNA Damage" *Cell Rep.* 20: 1553_1562.
4. Saugar I, Molloy B, Sanz E, Blanca Sánchez M, Fernández_Lobato M, Jiménez A (2016) "Characterization of the biosynthetic gene cluster (ata) for the A201A aminonucleoside antibiotic from *Saccharothrix mutabilis* subsp. *capreolus*". *J. Antibiot (Tokyo)* 70: 404_413.

5. Ortiz_Bazán MA, Gallo_Fernández M, Saugar I, Jiménez_Martín A, Vázquez MV, Tercero JA (2014) "Rad5 plays a major role in the cellular response to DNA damage during chromosome replication". *Cell Rep.* 9: 460_468.
6. Saugar I, Ortiz_Bazán MA, Tercero JA (2014) "Tolerating DNA damage during eukaryotic chromosome replication". *Exp. Cell Res.* 329: 170_177.
7. Saugar I, Vázquez MV, Gallo_Fernández M, Ortiz_Bazán MA, Segurado M, Calzada A, Tercero JA (2013) "Temporal regulation of the Mus81_Mms4 endonuclease ensures cell survival under conditions of DNA damage". *Nucleic Acids Res.* 41: 8943_8958.
8. Gallo_Fernández M, Saugar I, Ortiz_Bazán MA, Vázquez MV, Tercero JA (2012) "Cell cycle-dependent regulation of the nuclease activity of Mus81_Eme1/Mms4". *Nucleic Acids Res.* 40: 8325_8335.
9. Saugar I, Parker JL, Zhao, S and Ulrich HD (2012) "The genome maintenance factor Mgs1 is targeted to sites of replication stress through interaction with ubiquitylated PCNA". *Nucleic Acids Res.* 40: 245_257.
10. Brückner S, Kern S, Birke R, Saugar I, Ulrich HD and Mösch HU (2011) "The TEA transcription factor Tec1 links TOR and MAPK pathways to coordinate yeast development". *Genetics* 189: 479_494.
11. Saugar I, Irigoyen N, Luque D, Carrascosa JL, Rodríguez JF and Castón JR (2010) "Electrostatic interactions between capsid and scaffolding proteins mediate the structural polymorphism of a doublestranded RNA virus". *J. Biol. Chem.* 285: 3643_3650.
12. Luque D, Saugar I, Rejas MT, Carrascosa JL, Rodríguez JF and Castón JR (2009) "Infectious Bursal disease virus: ribonucleoprotein complexes of a double_stranded RNA virus". *J. Mol. Biol.* 386: 891_901.
13. Luque D, Saugar I, Rodríguez JF, Verdaguer N, Garriga D, Martín CS, Velázquez_Muriel JA, Trus BL, Carrascosa JL and Castón JR (2007) "Infectious bursal disease virus capsid assembly and maturation by structural rearrangements of a transient molecular". *J. Virol.* 81: 6869_6878.
14. Garriga D, Querol_Audi J, Abaitua F, Saugar I, Pous J, Verdaguer N, Castón JR and Rodríguez JF (2006) "The 2.6_angstrom structure of infectious bursal disease virus_derived t1 particles reveals new stabilizing elements of the virus capsid". *J. Virol.* 80: 6895_6905.
15. Saugar I, Luque D, Oña A, Rodríguez JF, Carrascosa JL, Trus BL, Castón JR (2005) "Structural polymorphism of the major capsid protein of a double_stranded RNA virus: an amphipathic alpha helix as a molecular switch". *Structure* 13:1007_17.
16. Saugar I, Sanz E, Rubio MA, Espinosa JC, Jiménez A (2002) "Identification of a set of genes involved in the biosynthesis of the aminonucleoside moiety of antibiotic A201A from *Streptomyces capreolus*". *Eur. J. Biochem.* 269:5527_35.
17. Book chapter Martínez J, Sánchez MB, Sanz E, Saugar I, Fernández_Lobato M and Jiménez A (2003)"Biosynthesis of puromycin: Genetics and Biochemistry", in *Microorganisms for Health Care, Food and Enzyme Production*. ISBN 81_7736_161_9, Research Signpost Ed., India.

Projects

Memberships

Other Relevant Information

Conferences

1. IPFA/PEI 30th International Workshop on "Surveillance and screening of blood-borne pathogens", 15-16 May 2024, Aarhus, Denmark.
2. 2023 IPPC International Plasma Protein Congress, 20-21 June 2023, Lisbon, Portugal.
3. 11th Iberian Congress on prions, 11-12 May 2023, Barcelona, Spain.
4. IPFA/PEI 26th International Workshop on "Surveillance and screening of blood-borne pathogens", 22-23 May 2019, Krakow, Poland.

Courses

1. On_line: European Pharmacopoeia Training session on Biologicals. January 2024.
2. On_line: EDQM Webinar series "Anti D Immunoglobulin: Exploring collection, production and alternatives"
3. European Pharmacopoeia Training session on Biologicals. February 2020.
4. On_line: "Basic Knowledge of EU Medicines Regulation". November 2018, 2_3 hours duration.
5. On_line: "Development of Biosimilar monoclonal antibodies _ quality and pre_clinical aspects _ including cases". November 2018, 45 min duration.
6. On_line: "Basic principles of the Mutual Recognition Procedure & the Decentralised Procedure". August 2018, 1 hour duration.
7. On_line: "USP Standards that Support the Development and Characterization of Biologics (Live Webinar)". July 2018, 1 hour duration.
8. On_line: "Basic Training on Classification of Advanced Therapy Medicinal Products (ATMP)". May 2018, 1 hour duration.
9. On_line: "XXII Curso de Introducción a la Farmacoterapia con Hemoderivados". May 2018, 4.9 credits.