

CV Date	10/11/2024
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## Part A. PERSONAL INFORMATION

First Name *	MARÍA ELISA		
Family Name *	CORDERO MATIA		
Sex *		Date of Birth *	
ID number Social Security, Passport *		Phone Number *	
URL Web			
Email Address			
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *		
	Researcher ID		
	Scopus Author ID		

\* Mandatory

### A.1. Current position

Job Title	Professor		
Starting date	2019		
Institution	Universidad de Sevilla		
Department / Centre	Department Medicine - Infectious Diseases Unit. University Hospital Virgen del Rocío / School of Medicine/ University Hospital Virgen del Rocío		
Country	Spain	Phone Number	
Keywords			

### A.3. Education

Degree/Master/PhD	University / Country	Year
PhD in Medicine	Universidad de Sevilla / Spain	1999

### A.4. General quality indicators of scientific production

H index Web of Science 38 Google Scholar 46. Citations 4.643 WOS /7148 Google acad. B. Total publications in peer reviewed journals: 186 (52D1, 42Q1, 32Q2). S Total as senior or corresponding autor: 64 (29 Q1-14D1, 11 Q2) Clinical guidelines 22, coordinator in 7. Book chapter 45, book editor 3.

## Part B. CV SUMMARY

A. Responsable del programa de prevención, diagnóstico y tratamiento de infecciones en trasplante e inmunodeficiencias primarias en el Hospital U. Virgen del Rocío. B. Investigadora responsable del grupo "Infecciones víricas y en pacientes inmunodeprimidos" del Instituto de Biomedicina de Sevilla (IBIS). C. Autora de 186 manuscritos científicos con un total de citas de 5195 citas y un índice H de 38 según la WOS (43 Google Scholar). Entre sus publicaciones 52 son D1 y 42 en Q1, y 32 en Q2, siendo autora senior en 64 publicaciones (29 Q1-14D1, 11Q2, 12 Q3). En los 5 últimos años es autora de 55 publicaciones, de las cuales 36 son en Q1-18D1, y 8 Q2, siendo autora preferente en 20 publicaciones (15 Q1-5D1). D. Proyectos de investigación investigadora principal en 11 proyectos, tres de ellos de ámbito internacional, y he participado en otros 20 proyectos de investigación financiados en convocatorias competitivas. 6 ensayos clínicos independientes (IP en uno). Coordinadora de un proyecto de investigación financiado por NIH/NAID con la Icahn School of Medicine y de proyectos con IPs de otras sociedades científicas relevantes del área del trasplante como son la Dra D. Kumar (American Society of Transplantation) y el Dr. Oriol Manuel (Cohorte Suiza de Infecciones en Trasplante Suiza E. Transferencia del conocimiento: coordinadora de 7 guías de práctica clínica y colaboradora en 17. F. Ha sido coordinadora nacional de WP de REIPI

y Presidenta del Grupo de Estudio de Infecciones en Trasplante (GESITRA) de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica, Actualmente es miembro de la junta directiva del European Study Group of Immunocompromised Hosts de la European Society of Clinical Microbiology and Infectious Diseases G. Tesis doctorales dirigidas: 9 (2 con premio extraordinario) H. Medalla Andalucía 2015. Premio convocatoria "Retención de Talento" de la Universidad de Sevilla, Premio Extraordinario de Doctorado, Tercer premio Nacional de Licenciatura, Premio Nacional Mejor Residente del año 2000, I. "Honorary fellow" de la "European Society of Clinical Microbiology and Infectious Diseases". J. Evaluadora de proyectos y adjunta del panel de la comisión técnica de Evaluación del Instituto de Salud Carlos III "Enfermedades Infecciosas y SIDA" comisión 504. K. Jefa de Estudios del Hospital U. Virgen del Rocío (2016-2020). L. Vicedecana de investigación y Doctorado de la Facultad de Medicina. Universidad de Sevilla. K. Destacan entre sus contribuciones científicas tres áreas de vanguardia: la reducción de la incidencia y morbilidad relacionada con la infección por CMV en receptores de trasplantes, la reducción del impacto de las infecciones respiratorias en pacientes inmunodeprimidos y la optimización del tratamiento de infecciones prevalentes por bacterias resistentes.

## Part C. RELEVANT ACCOMPLISHMENTS

### C.1. Publications

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper.** Aydillo, Teresa; Balsera-Manzanero, Maria; Rojo-Fernandez, Amaya; et al; Cordero, Elisa. 2024. Concomitant administration of seasonal influenza and COVID-19 mRNA vaccines. EMERGING MICROBES & INFECTIONS. TAYLOR & FRANCIS LTD. 13-1. ISSN 2222-1751. WOS (3)
- 2 **Scientific paper.** Fernandez-Ruiz, Mario; Gioia, Francesca; Bodro, Marta; et al; SOTIS and DiasperSOT Study Groups. 2024. Isavuconazole Versus Voriconazole as the First-line Therapy for Solid Organ Transplant Recipients With Invasive Aspergillosis: Comparative Analysis of 2 Multicenter Cohort Studies. Transplantation. 108-11, pp.2260-2269. ISSN 1534-6080. WOS (0) <https://doi.org/10.1097/TP.0000000000005082>
- 3 **Scientific paper.** Herrera-Espejo, Soraya; Carretero-Ledesma, Marta; Bahamonde-Garcia, Manuel Anselmo; Cordero, Elisa; Pachon, Jeronimo; Pachon-Ibanez, Maria Eugenia. 2024. Assessing the Influence of Urine pH on the Efficacy of Ciprofloxacin and Fosfomycin in Immunocompetent and Immunocompromised Murine Models of *Escherichia coli* and *Klebsiella pneumoniae* Infection in the Lower Urinary Tract. ANTIBIOTICS-BASEL. MDPI. 13-9. ISSN 2079-6382. WOS (0) <https://doi.org/10.3390/antibiotics13090827>
- 4 **Scientific paper.** Martin-Escolano, Javier; Salto-Alejandro, Sonsoles; Infante-Dominguez, Carmen; et al; Aguilar-Guisado, Manuela. 2024. COVID-19 in patients with haematologic malignancies: Effect of RNAemia on clinical outcome in vaccinated patients. INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES. ELSEVIER SCI LTD. 146. WOS (0) <https://doi.org/10.1016/j.ijid.2024.107163>
- 5 **Scientific paper.** Herrera-Espejo, Soraya; Dominguez-Miranda, Jose Luis; Rodriguez-Mogollo, Juan Ignacio; Pachon, Jeronimo; Cordero, Elisa; Pachon-Ibanez, Maria Eugenia. 2024. Effects of pH on the Pathogenicity of *Escherichia coli* and *Klebsiella pneumoniae* on the Kidney: In Vitro and In Vivo Studies. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. MDPI. 25-14. WOS (1) <https://doi.org/10.3390/ijms25147925>
- 6 **Scientific paper.** Balsera-Manzanero, Maria; Soengas, Raquel G.; Carretero-Ledesma, Marta; et al; Sanchez-Cespedes, Javier. 2024. Heteroleptic (S<sup>+</sup>/S<sup>-</sup>)-cyclometallated gold(III) complexes as novel antiviral agents. HELIYON. CELL PRESS. 10-6. ISSN 2405-8440. WOS (0) <https://doi.org/10.1016/j.heliyon.2024.e27601>

- 7 **Scientific paper.** Fernandez-Ruiz, Mario; Bodro, Marta; Gutierrez Martin, Isabel; et al; SOTIS Study Grp; (12/21) Cordero, Elisa. 2023. Isavuconazole for the Treatment of Invasive Mold Disease in Solid Organ Transplant Recipients: A Multicenter Study on Efficacy and Safety in Real-life Clinical Practice. TRANSPLANTATION. LIPPINCOTT WILLIAMS & WILKINS. 107-3, pp.762-773. ISSN 0041-1337. WOS (0) <https://doi.org/10.1097/TP.0000000000004312>
- 8 **Scientific paper.** Lopez-Medrano, Francisco; Alfayate, Santiago; Carratala, Jordi; et al; Pumarola, Tomas; (5/20) Cordero, Elisa. 2023. Executive summary. Diagnosis, treatment and prophylaxis of influenza virus infection. Consensus statement of the Spanish Society of Infectious Diseases and Clinical Microbiology (SEIMC), the Spanish Society of Pediatric Infectious Diseases (SEIP), the Spanish Association of Vaccinology (AEV), the Spanish Society of Family and Community Medicine (SEMFYC) and the Spanish Society of Preventive Medicine, Public Health and Health Management (SEMPSPGS). Enfermedades infecciosas y microbiología clínica (English ed.). 41-2, pp.111-122. ISSN 2529-993X. WOS (0) <https://doi.org/10.1016/j.eimce.2022.10.013>
- 9 **Scientific paper.** Rombauts, Alexander; Infante, Carmen; Martinez de Lagos, Mikel del Alamo; et al; Carratala, Jordi; (16/19) Cordero, Elisa. 2023. Impact of SARS-CoV-2 RNAemia and other risk factors on long-COVID: A prospective observational multicentre cohort study. JOURNAL OF INFECTION. 86-2, pp.214-217. ISSN 1532-2742. WOS (0) <https://doi.org/10.1016/j.jinf.2022.11.009>
- 10 **Scientific paper.** Salto-Alejandre, Sonsoles; Carretero-Ledesma, Marta; Camacho-Martinez, Pedro; et al; COVIDSOT Working Team; (34/35) Cordero, Elisa. 2023. Serum IFN-gamma and RNAemia temporal profiles as biomarkers of severe COVID-19 in solid organ transplant and immunocompetent patients. The Journal of infection. ISSN 1532-2742. WOS (0) <https://doi.org/10.1016/j.jinf.2022.11.009>
- 11 **Scientific paper.** 0000-0002-6796-1813; 0000-0002-0315-8001; 0000-0002-0810-6497; et al; Lease E.D.2023. Efficacy of ceftazidime-avibactam in solid organ transplant recipients with bloodstream infections caused by carbapenemase-producing Klebsiella pneumoniae. American Journal of Transplantation. 23, pp.1022-1034. ISSN 16006135. SCOPUS (4) <https://doi.org/10.1016/j.ajt.2023.03.011>
- 12 **Scientific paper.** 0000-0001-5149-2242; Cordero Matía M.E.2023. Epidemiology of Acute Bronchiolitis in a Third-level Hospital During the COVID-19 Pandemic. Archivos de Bronconeumología. 59, pp.264-266. ISSN 03002896. SCOPUS (2) <https://doi.org/10.1016/j.arbres.2022.11.002>
- 13 **Scientific paper.** Zhang, Qian; Pizzorno, Andres; Miorin, Lisa; et al; REIPI INF Working Grp; (59/74) Cordero, Elisa. 2022. Autoantibodies against type I IFNs in patients with critical influenza pneumonia. JOURNAL OF EXPERIMENTAL MEDICINE. ROCKEFELLER UNIV PRESS. 219-11. ISSN 0022-1007. WOS (4) <https://doi.org/10.1084/jem.20220514>
- 14 **Scientific paper.** Santos Bravo, Marta; Plault, Nicolas; Sanchez-Palomino, Sonsoles; et al; Grp Study Infection Transplantat G; (16/27) Cordero, Elisa. 2022. Genotypic and Phenotypic Study of Antiviral Resistance Mutations in Refractory Cytomegalovirus Infection. JOURNAL OF INFECTIOUS DISEASES. OXFORD UNIV PRESS INC. 226-9, pp.1528-1536. ISSN 1537-6613. WOS (0) <https://doi.org/10.1093/infdis/jjac349>
- 15 **Scientific paper.** Bodro, Marta; Cervera, Carlos; Linares, Laura; et al; GERSITRA IC SEIMC REIPI Invest; (12/17) Cordero, Elisa. 2022. Polygenic Innate Immunity Score to Predict the Risk of Cytomegalovirus Infection in CMV D plus /R- Transplant Recipients. A Prospective Multicenter Cohort Study. FRONTIERS IN IMMUNOLOGY. FRONTIERS MEDIA SA. 13. ISSN 1664-3224. WOS (1) <https://doi.org/10.3389/fimmu.2022.897912>
- 16 **Scientific paper.** Cerrada-Romero, Cristina; Berastegui-Cabrera, Judith; Camacho-Martinez, Pedro; et al; Sanchez-Cespedes, Javier; (16/18) Cordero, Elisa. 2022. Excretion and viability of SARS-CoV-2 in feces and its association with the clinical outcome of COVID-19. SCIENTIFIC REPORTS. NATURE PORTFOLIO. 12-1. ISSN 2045-2322. <https://doi.org/10.1038/s41598-022-11439-7>

- 17 Scientific paper.** Gutierrez-Gutierrez, Belen; Perez-Nadales, Elena; Perez-Galera, Salvador; et al; Investigators REIPI ESGICH ESGIBS; (7/48) Cordero, Elisa. 2021. Propensity Score and Desirability of Outcome Ranking Analysis of Ertapenem for Treatment of Nonsevere Bacteremic Urinary Tract Infections Due to Extended-Spectrum-Beta-Lactamase-Producing Enterobacteriales in Kidney Transplant Recipients. *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY. AMER SOC MICROBIOLOGY.* 65-11. ISSN 1098-6596. WOS (2) <https://doi.org/10.1128/AAC.01102-21>
- 18 Scientific paper.** Berenguer, Juan; Borobia, Alberto M.; Ryan, Pablo; et al; COVID HULP Study Grp. 2021. Development and validation of a prediction model for 30-day mortality in hospitalised patients with COVID-19: the COVID-19 SEIMC score. *THORAX. BMJ PUBLISHING GROUP.* 76-9, pp.920-929. ISSN 1468-3296. WOS (39) <https://doi.org/10.1136/thoraxjnl-2020-216001>
- 19 Scientific paper.** Paez-Vega, Aurora; Gutierrez-Gutierrez, Belen; Aguera, Maria L.; et al; TIMOVAL Study Grp. 2021. Immunoguided Discontinuation of Prophylaxis for Cytomegalovirus Disease in Kidney Transplant Recipients Treated With Antithymocyte Globulin: A Randomized Clinical Trial. *CLINICAL INFECTIOUS DISEASES. OXFORD UNIV PRESS INC.* 74-5, pp.757-765. ISSN 1537-6591. WOS (7)
- 20 Scientific paper.** Perez-Gomez, Alberto; Vitalle, Joana; Gasca-Capote, Carmen; et al; Virgen del Rocio Hosp COVID-19 Wor. 2021. Dendritic cell deficiencies persist seven months after SARS-CoV-2 infection. *CELLULAR & MOLECULAR IMMUNOLOGY. CHIN SOCIETY IMMUNOLOGY.* 18-9, pp.2128-2139. ISSN 1672-7681. WOS (33) <https://doi.org/10.1038/s41423-021-00728-2>
- 21 Scientific paper.** Salto-Alejandre, Sonsoles; Berastegui-Cabrera, Judith; Camacho-Martinez, Pedro; et al; Virgen Rocio Hosp COVID-19 Working; (14/16) Cordero, Elisa. 2021. SARS-CoV-2 viral load in nasopharyngeal swabs is not an independent predictor of unfavorable outcome. *SCIENTIFIC REPORTS. NATURE PORTFOLIO.* 11-1. ISSN 2045-2322. WOS (11) <https://doi.org/10.1038/s41598-021-92400>
- 22 Scientific paper.** Ruiz-Ruigomez, Maria; Fernandez-Ruiz, Mario; Silva, Jose Tiago; et al; REIPI Redinren GESITRA-IC SEIMC. 2021. Efficacy and Safety of Oral Fosfomycin for Asymptomatic Bacteriuria in Kidney Transplant Recipients: Results from a Spanish Multicenter Cohort. *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY. AMER SOC MICROBIOLOGY.* 65-5. ISSN 0066-4804. WOS (2) <https://doi.org/10.1128/AAC.02267-20>
- 23 Scientific paper.** Salto-Alejandre, Sonsoles; Jimenez-Jorge, Silvia; Sabe, Nuria; et al; COVIDSOT Working Team; (28/29) Cordero, Elisa. 2021. Risk factors for unfavorable outcome and impact of early post-transplant infection in solid organ recipients with COVID-19: A prospective multicenter cohort study. *PLOS ONE. PUBLIC LIBRARY SCIENCE.* 16-4. ISSN 1932-6203. WOS (16) <https://doi.org/10.1371/journal.pone.0250796>
- 24 Scientific paper.** Paez-Vega, Aurora; Cantisan, Sara; Aguera, Maria L.; et al; Torre-Cisneros, Julian; (18/19) Cordero, Elisa. 2021. Pretransplant CMV-Specific T-Cell Immunity But Not Dose of Antithymocyte Globulin Is Associated With Recovery of Specific Immunity After Kidney Transplantation. *JOURNAL OF INFECTIOUS DISEASES. OXFORD UNIV PRESS INC.* 223-7, pp.1205-1213. ISSN 1537-6613. WOS (4) <https://doi.org/10.1093/infdis/jiaa503>
- 25 Scientific paper.** Berastegui-Cabrera, Judith; Salto-Alejandre, Sonsoles; Valerio, Maricela; et al; Sanchez-Cespedes, Javier; (23/24) Cordero, Elisa (AC). 2021. SARS-CoV-2 RNAemia is associated with severe chronic underlying diseases but not with nasopharyngeal viral load. *JOURNAL OF INFECTION.* 82-3, pp.E38-E41. ISSN 1532-2742. WOS (10) <https://doi.org/10.1016/j.jinf.2020.11.024>
- 26 Scientific paper.** Hirzel, Cedric; Chruscinski, Andrzej; Ferreira, Victor H.; et al; Influenza Transplant Study Grp; (7/10) Cordero, Elisa. 2021. Natural influenza infection produces a greater diversity of humoral responses than vaccination in immunosuppressed transplant recipients. *AMERICAN JOURNAL OF TRANSPLANTATION. WILEY.* 21-8, pp.2709-2718. ISSN 1600-6135. WOS (5) <https://doi.org/10.1111/ajt.16503>

- 27 Scientific paper.** Rodriguez-Bano, Jesus; Pachon, Onimo; Carratala, Jordi; et al; SAM-COVID Study Grp. 2021. Treatment with tocilizumab or corticosteroids for COVID-19 patients with hyperinflammatory state: a multicentre cohort study (SAM-COVID-19). CLINICAL MICROBIOLOGY AND INFECTION. ELSEVIER SCI LTD. 27-2, pp.244-252. ISSN 1469-0691. WOS (77) <https://doi.org/10.1016/j.cmi.2020.08.010>
- 28 Scientific paper.** Fontserre, Sara; Infante-Dominguez, Carmen; Suarez-Benjumea, Alejandro; et al; (10/10) Cordero, Elisa. 2021. Impact of Treating Asymptomatic Bacteriuria in Kidney Transplant Recipients: A Prospective Cohort Study. ANTIBIOTICS-BASEL. MDPI. 10-2. ISSN 2079-6382. WOS (1) <https://doi.org/10.3390/antibiotics10020218>
- 29 Scientific paper.** Pierrotti, Ligia C.; Perez-Nadales, Elena; Fernandez-Ruiz, Mario; et al; Investigators REIPI INCREMENT-SOT; (14/43) Cordero, Elisa. 2021. Efficacy of beta-lactam/beta-lactamase inhibitors to treat extended-spectrum beta-lactamase-producing Enterobacterales bacteremia secondary to urinary tract infection in kidney transplant recipients (INCREMENT-SOT Project). TRANSPLANT INFECTIOUS DISEASE. WILEY. 23-3. ISSN 1398-2273. WOS (5) <https://doi.org/10.1111/tid.13520>
- 30 Scientific paper.** Ruiz-Antoran, B; Sancho-Lopez, A; Torres, F; et al; Cordero Matía, Elisa (TOCICOV-study group). 2021. Combination of Tocilizumab and Steroids to Improve Mortality in Patients with Severe COVID-19 Infection: A Spanish, Multicenter, Cohort Study. INFECTIOUS DISEASES AND THERAPY. 10, pp.347-362. <https://doi.org/10.1007/s40121-020-00373-8>
- 31 Scientific paper.** Espinosa-Solano, Michelle; Gonzalez-Vergara, Demetrio; Ferrer-Galvan, Marta; et al; Jara-Palomares, Luis. 2021. Repeated pulses of methyl-prednisolone in adults hospitalized with COVID-19 pneumonia and acute respiratory distress syndrome: a preliminary before–after study (CortiCOVID study). Open Respiratory Archives. <https://doi.org/10.1016/j.opresp.2021.100086>
- 32 Scientific paper.** Aydillo, Teresa; Escalera, Alba; Strohmeier, Shirin; et al; (16/16) Cordero, Elisa (AC). 2020. Pre-existing Hemagglutinin Stalk Antibodies Correlate with Protection of Lower Respiratory Symptoms in Flu-Infected Transplant Patients. CELL REPORTS MEDICINE. ELSEVIER. 1-8. ISSN 2666-3791. WOS (10) <https://doi.org/10.1016/j.xcrm.2020.100130>
- 33 Scientific paper.** Berenguer, Juan; Ryan, Pablo; Rodriguez-Bano, Jesus; et al; COVID-Spain Study Grp. 2020. Characteristics and predictors of death among 4035 consecutively hospitalized patients with COVID-19 in Spain. CLINICAL MICROBIOLOGY AND INFECTION. ELSEVIER SCI LTD. 26-11, pp.1525-1536. ISSN 1469-0691. WOS (168) <https://doi.org/10.1016/j.cmi.2020.07.024>
- 34 Scientific paper.** Cordero, Elisa; Goycochea-Valdivia, Walter; Mendez-Echevarria, Ana; et al; Neth, Olaf. 2020. Executive Summary of the Consensus Document on the Diagnosis and Management of Patients with Primary Immunodeficiencies. JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY-IN PRACTICE. ELSEVIER. 8-10, pp.3342-3347. ISSN 2213-2198. <https://doi.org/10.1016/j.jaip.2020.05.008>
- 35 Scientific paper.** Cordero, Elisa; Bulnes-Ramos, Angel; Aguilar-Guisado, Manuela; et al; Perez-Romero, Pilar. 2020. Effect of Influenza Vaccination Inducing Antibody Mediated Rejection in Solid Organ Transplant Recipients. FRONTIERS IN IMMUNOLOGY. FRONTIERS MEDIA SA. 11. ISSN 1664-3224. <https://doi.org/10.3389/fimmu.2020.01917>
- 36 Scientific paper.** Len, Oscar; Los-Arcos, Ibai; Maria Aguado, Jose; et al; Natl Transplant Org ONT. 2020. Executive summary of the Consensus Document of the Transplant Infection Study Group (GESITRA) of the Spanish Society of Infectious Diseases and Clinical Microbiology (SEIMC) and the National Transplant Organization (ONT) on the Selection Criteria of Donors of Solid Organs in relation to Infectious Diseases. ENFERMEDADES INFECCIOSAS Y MICROBIOLOGIA CLINICA. EDICIONES DOYMA S A. 38-8, pp.379-389. ISSN 1578-1852. WOS (1) <https://doi.org/10.1016/j.eimc.2019.10.016>

- 37 Scientific paper.** Boettler, Tobias; Marjot, Thomas; Newsome, Philip N.; et al; Berg, Thomas. 2020. Impact of COVID-19 on the care of patients with liver disease: EASL-ESCMID position paper after 6 months of the pandemic. JHEP REPORTS. 2-5. ISSN 2589-5559. WOS (85) <https://doi.org/10.1016/j.jhepr.2020.100169>
- 38 Scientific paper.** Boettler, Tobias; Newsome, Philip N; Mondelli, Mario U; Maticic, Mojca; Cordero, Elisa; Cornberg, Markus; Berg, Thomas. 2020. Care of patients with liver disease during the COVID-19 pandemic: EASL-ESCMID position paper. JHEP reports : innovation in hepatology. 2-3, pp.100113. ISSN 2589-5559. WOS (280) <https://doi.org/10.1016/j.jhepr.2020.100113>
- 39 Scientific paper.** Len, Oscar; Los-Arcos, Ibai; Maria Aguado, Jose; et al; ONT. 2020. Selection criteria of solid organ donors in relation to infectious diseases: A Spanish consensus. TRANSPLANTATION REVIEWS. 34-2. ISSN 0955-470X. WOS (2) <https://doi.org/10.1016/j.trre.2020.100528>
- 40 Scientific paper.** Perez-Nadales, Elena; Gutierrez-Gutierrez, Belen; Natera, Alejandra M.; et al; ESGARS-ESCMID Study Grp Antimicrob. 2020. Predictors of mortality in solid organ transplant recipients with bloodstream infections due to carbapenemase-producing Enterobacterales: The impact of cytomegalovirus disease and lymphopenia. AMERICAN JOURNAL OF TRANSPLANTATION. WILEY. 20-6, pp.1629-1641. ISSN 1600-6143. WOS (13) <https://doi.org/10.1111/ajt.15769>
- 41 Clinical guidelines.** Ruiz-Arabi, Elisa; Torre-Cisneros, Julian; Aguilera, Victoria; et al; Aguado, Jose Maria. 2024. Management of cytomegalovirus in adult solid organ transplant patients: GESITRA-IC-SEIMC, CIBERINFEC, and SET recommendations update. TRANSPLANTATION REVIEWS. 38-4. ISSN 0955-470X. WOS (0) <https://doi.org/10.1016/j.trre.2024.100875>
- 42** Herrera-Espejo S; Fontserè S; Infante C; et al; Cordero E. 2024. Acidic Urine pH and Clinical Outcome of Lower Urinary Tract Infection in Kidney Transplant Recipients Treated with Ciprofloxacin and Fosfomycin. Antibiotics (Basel, Switzerland). 13. ISSN 2079-6382. <https://doi.org/10.3390/antibiotics13020116>
- 43** Carretero-Ledesma M; Guisado MA; Berastegui-Cabrera J; Balsera-Manzanero M; Pachón J; Cordero E; Sánchez-Céspedes J. 2024. Antiviral activity of immunosuppressors alone and in combinations against human adenovirus and cytomegalovirus. International journal of antimicrobial agents. pp.107116. ISSN 0924-8579. <https://doi.org/10.1016/j.ijantimicag.2024.107116>
- 44** Mombelli, Matteo; Neofytos, Dionysios; Huynh-Do, Uyen; et al; Swiss Transplant Cohort Study. 2024. Immunogenicity of High-Dose Versus MF59-Adjuvanted Versus Standard Influenza Vaccine in Solid Organ Transplant Recipients: The Swiss/Spanish Trial in Solid Organ Transplantation on Prevention of Influenza (STOP-FLU Trial). CLINICAL INFECTIOUS DISEASES. 78. ISSN 1058-4838. WOS (1) <https://doi.org/10.1093/cid/ciad477>
- 45** Balsera-Manzanero, Maria; Ghirga, Francesca; Ruiz-Molina, Ana; et al; Sanchez-Céspedes, Javier. 2024. Inhibition of adenovirus transport from the endosome to the cell nucleus by rotenone. FRONTIERS IN PHARMACOLOGY. 14. <https://doi.org/10.3389/fphar.2023.1293296>
- 46** Herrera, Sabina; Aguado, Jose M.; Candel, Francisco Javier; et al; Bodro, Marta. 2023. Executive summary of the consensus statement of the group for the study of infection in transplantation and other immunocompromised host (GESITRA-IC) of the Spanish Society of Infectious Diseases and Clinical Microbiology (SEIMC) on the treatment of SARS-CoV-2 infection in solid organ transplant recipients. TRANSPLANTATION REVIEWS. 37. ISSN 0955-470X. <https://doi.org/10.1016/j.trre.2023.100788>
- 47** Gomez, Teresa A. Aydillo; Escalera Merino, Alba; Aslam, Sadaf; Carratala, Jordi; Krammer, Florian; Garcia-Sastre, Adolfo; Cordero Matia, Elisa. 2020. Impact of pre-existing specific influenza antibodies as a determinant of disease severity on influenza virus infected patients: a multicenter observational cohort study. JOURNAL OF IMMUNOLOGY. 204. ISSN 0022-1767.

### C.3. Research projects and contracts

- 1 **Project.** Contrato PFIS. Soraya Herrera Espejo. Instituto de Salud Carlos III. Cordero. (IBIS. H. U VIRGEN DEL ROCIO). 01/01/2022-31/12/2025. Principal investigator.
- 2 **Project.** Plasma Membrane Derived Vesicles to Control Viral Infections. Microtraps. Universidad de Sevilla. CORDERO. (IBIS). 01/01/2023-31/12/2023. 10.000 €. Principal investigator.
- 3 **Project.** Promoción de la investigación en estudiantes de Grado y facultativos especialistas en Formación. Universidad de Sevilla. Cordero. (Universidad de Sevilla. Facultad de Medicina). 01/01/2023-31/12/2023. 6.000 €. Principal investigator.
- 4 **Project.** IM22/INF/13, VALIDACIÓN EN PACIENTES INMUNODEPRIMIDOS DE FENOTIPOS CLÍNICOS CON VALOR PRONÓSTICO DE LA COVID-19. SU ASOCIACIÓN CON LA PRESENCIA DE VIREMIA Y LA RESPUESTA INMUNITARIA EN LA PRIMERA EVALUACIÓN DE LOS PACIENTES. Instituto de Salud Carlos III. (CIBER ENFERMEDADES INFECCIOSAS). 01/08/2022-31/12/2023. 120.000 €. Principal investigator.
- 5 **Project.** RH-0020-2021, Marta Claudia Carretero. Dinámica de la infección por SARS CoV-2 y la respuesta inmune en pacientes con cáncer sólido y hematológico, y en receptores de trasplante de órgano sólido o progenitores hematopoyéticos. Consejería de Salud y Familias. Junta de Andalucía. CORDERO. (IBIS. H.U VIRGEN DEL ROCIO). 01/01/2022-31/12/2023. 64.170 €. Principal investigator.
- 6 **Project.** PI20/01255, Tratamiento con fosfomicina de infecciones urinarias por Klebsiella pneumoniae en el trasplantado renal. Impacto del pH urinario y bajo nivel de resistencia a fosfomicina. Instituto de Salud Carlos III. (H.U V ROCIO). 01/01/2021-31/12/2023. 87.120 €. Principal investigator.
- 7 **Project.** Mecanismos inmunitarios implicados en el desarrollo y protección de neumonía gripal en adultos.. CONSEJERÍA DE ECONOMÍA, CONOCIMIENTO, EMPRESAS Y UNIVERSIDAD. (HOSPITAL UNIVERSITARIO VIRGEN DEL ROCIO). 12/02/2020-31/01/2023. 119.652 €. Principal investigator.
- 8 **Project.** 1808072306, “Estudios fenotípicos y genotípicos de Klebsiella pneumoniae causante de infección urinaria en pacientes receptores de trasplante renal, e impacto del pH urinario en la actividad antimicrobiana de fosfomicina y su eficacia en la infección urinaria experimental murina.” ORGANICA 1808072306.. Universidad de Sevilla. Elisa Cordero Matía. (Universidad de Sevilla. IBIS. H U Virgen del Rocío). 01/01/2022-31/01/2022. 90.000 €. Principal investigator.
- 9 **Project.** COV20/00370, Multicenter study of coronavirus disease 2019 (COVID-2019) in Solid Organ Transplant Recipients. Instituto de Salud Carlos III. 01/05/2020-30/10/2021. 182.201 €. Principal investigator.
- 10 **Project.** Reducing the Burden of Influenza after Solid-Organ Transplantation: the STOP-FLU trial. Swiss National Science Foundation. Oriol Manuel. 02/09/2019-31/12/2020. 60.000 €. Team member.
- 11 **Project.** INSTITUTO DE SALUD CARLOS III, Estudio de las bacteriemia por Campylobacter spp. Impacto de las inmunodeficiencias primarias en las recidivas y optimización del tratamiento antibiótico.. ACCION ESTRATEGICA EN SALUD. From 01/01/2024. 102.000 €. Principal investigator.
- 12 **Project.** FI21/00280, Judith Berastegui Cabrera. Contratos Predoctorales o de PIF para el Desarrollo del Programa Propio I+D+i de la US en Áreas de Especial Atención. (IV.3).. Universidad de Sevilla. (Universidad de Sevilla). From 01/01/2022. Principal investigator.

#### C.4. Activities of technology / knowledge transfer and results exploitation

**Patent of invention.** JAVIER SANCHEZ CESPEDES; JERONIMO PACHON; ELISA CORDERO; MARIA EUGENIA PACHON-IBAÑEZ; JUDITH BERASTEGUI-CABRERA; MARIA BALSERA; MARTA CARRETERO-LEDESMA. EP22382139.8. ISOLATED PLASMA MEMBRANE-DERIVED MICROVESICLES FOR USE IN THE TREATMENT OF VIRAL INFECTIONS Spain. 18/02/2022. Universidad de Sevilla. SERVICIO ANDALUZ DE LA SALUD. CAN.