

C.V. Melina J. Rapoport

Datos personales:

Nacionalidad: Argentina
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Desempeño laboral actual:

Bioquímica, Profesional de planta permanente. Servicio Antimicrobianos, Departamento Bacteriología, Instituto Nacional de Enfermedades Infecciosas, ANLIS “Dr. C. G. Malbran”.

Formación Académica:

Maestría en Microbiología Molecular

Universidad de San Martín. Aprobada Abril 2007. Pendiente Defensa de Tesis.

Bioquímica (con orientación en Microbiología & Inmunología),

Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA). (1996 – 2002)

Pasantías

- Departamento di Biologia Molecolare. Laboratorio de Fisiologia e Biotecnologia dei Microorganismi. A cargo del Prof. Gian Maria Rossolini. Policlinico Santa Maria alle Scotte, Siena, **Italia**. Septiembre – Octubre 2009

- MIC and PK/PD for targeting therapy of critical infections in high risk patients
ABLE – AB BIODISK Laboratory for Education, Solna, **Suecia**. 11 al 13 de Abril 2007.

- Laboratorios MRL (Merck Research Laboratories) – Merck facility, Rahway, New jersey, **Estados Unidos**. Enero 17 – Febrero 7, 2006

- *Development of Laboratory Diagnosis of Drug Resistant Microbes.*

Beca otorgada por la Agencia para la Cooperación en Salud Internacional (ACIH) y la Agencia Japonesa de Cooperación Internacional (JICA). Kumamoto, **Japón**.
Noviembre 2001 – Abril 2002

Antecedentes laborales:

Asesora de producto

Sensibilidad por Etest, bioMerieux. Química Erovne S.A.
Marzo de 2006 a Junio 2011.

Técnica de Laboratorio

Instituto de Cardiología y Cirugía Cardiovascular “Fundación Favaloro”
Laboratorio de Bacteriología
Abril a Diciembre de 1997

Idiomas: Inglés:

-F.C.E (First Certificate in English). Otorgado por Cambridge University. 1995.

-P.E.T (Preliminary English Test). Otorgado por Cambridge University. 1994.

Docencia:

- Entrenamiento y supervisión de estudiantes graduados en el diagnóstico referencial, las metodologías clínicas y de biología molecular para el estudio de sensibilidad a los antimicrobianos y caracterización de perfiles de resistencia.

Antecedentes Científicos:

Publicaciones (ultimos 10 años):

- Faccone D, Martino F, Pasterán F, Albornoz E, Biondi E, Vazquez M, Rapoport M, Rodrigo V, De Belder D, Gomez S, Corso A. 2019. Multiple clones of metallo-β-lactamase-producing *Acinetobacter ursingii* in a children hospital. *Infection, Genetics and Evolution* 67:145–149
- De Belder D, Lucero C, Rapoport M, Rosato A, Faccone D, Petroni A, Pasteran F, Albornoz E, Corso A, Gomez S. 2018. Genetic diversity of KPC-producing *Escherichia coli*, *Klebsiella oxytoca*, *Serratia marcescens* and *Citrobacter freundii* isolates from Argentina. *Microb Drug Resist* 24: 958-65.
- D. De Belder, D. Faccone, N. Tijet, R. Melano, M. Rapoport, A. Petroni, C. Lucero, F. Pasteran, A. Corso, S.A. Gomez. "Novel Class 1 Integrons and Sequence Types in VIM-2 and VIM-11- Producing Clinical Strains of Enterobacter cloacae." *Infection, Genetics and Evolution* 54 (2017) 374–378
- Tijet N, Faccone D, Rapoport M, Seah C, Pasterán F, Ceriana P, Albornoz E, Corso A, Petroni A, Melano RG. 2017. Molecular characteristics of mcr-1-carrying plasmids and new mcr-1 variant recovered from polyclonal clinical *Escherichia coli* from Argentina and Canada. *PLoS One* 12: e0180347.
- Albornoz E, Lucero C, Romero G, Quiroga MP, Rapoport M, Guerriero L, Andres P, Rodríguez C, WHONET-Argentina Group, Galas M, Centrón D, Corso A, Petroni A. 2017. Prevalence of plasmid-mediated quinolone resistance genes in clinical enterobacteria from Argentina. *Microb Drug Resist* 23: 177-87.
- Gomez SA, Rapoport M, Piergrossi N, Faccone D, Pasteran F, De Belder D, ReLAVRA, Petroni A, Corso A. 2016. Performance of a PCR assay for the rapid identification of the *Klebsiella pneumoniae* ST258 epidemic clone in Latin American clinical isolates. *Infect Genet Evol* 44: 145-6.
- Rapoport M, Faccone D, Pasteran F, Ceriana P, Albornoz E, Petroni A, MCR Group, Corso A. 2016. First description of mcr-1-mediated colistin resistance in human infections caused by *Escherichia coli* in Latin America. *Antimicrob Agents Chemother* 60: 4412-3.
- M S Anchordoqui; D De Belder; C Lucero; M Rapoport; D Faccone; A Rodriguez; A Di Martino; I L Herrero; F Pasteran; A Corso, S Gomez. In vivo Horizontal Dissemination of blaKPC-2 on Diverse Genetic Platforms of Clinical Isolates of Enterobacteriaceae. JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE. DOI: 10.1016/j.jgar.2015.05.001.
- F Pasteran, O Veliz, P Ceriana, C Lucero, M Rapoport, E Albornoz, and A Corso. Evaluation of the Blue-Carba test for rapid detection of carbapenemases in gram-negative bacilli. *J. Clin. Microbiol.* doi:10.1128/JCM.03026-14. Posted Online 25 March 2015.
- Albornoz E, Lucero C, Romero G, Rapoport M, Guerriero L, Andres P, WHONET-Argentina Group, Galas M, Corso A, Petroni A. 2014. Analysis of plasmid-mediated

- quinolone resistance genes in clinical isolates of the tribe Proteeeae from Argentina: first report of qnrD in the Americas. *J Glob Antimicrob Resist* 2: 322-6.
- Gomez S, Pasteran F, Faccione D, Bettoli M, Veliz O, De Belder D, Rapoport M, Gatti B, Petroni A, Corso A. 2013. Intrapatient emergence of OXA-247: a novel carbapenemase found in a patient previously infected with OXA-163-producing *Klebsiella pneumoniae*. *Clin Microbiol Infect* 19: E233-55.
 - Pasteran F, Faccione D, Gomez S, De Bunder S, Spinelli F, Rapoport M, Petroni A, Galas M, Corso A, *Pseudomonas aeruginosa* KPC Group. 2012. Detection of an international multiresistant clone belonging to sequence type 654 involved in the dissemination of KPC-producing *Pseudomonas aeruginosa* in Argentina. *J Antimicrob Chemother* 67: 1291-3.
 - F Pasteran, C Lucero, M Rapoport, L Guerriero, I Barreiro, E Albornoz, O Veliz, A Corso. Tigecycline and intravenous fosfomycin zone breakpoints equivalent to the EUCAST MIC criteria for Enterobacteriaceae. *J Infect Dev Ctries* 2012; 6(5):452-456.
 - F Pasteran, O Veliz, M Rapoport, L Guerriero, y A Corso. Sensitive and specific Modified Hodge Test for KPC and metallo-beta-lactamase detection in *Pseudomonas aeruginosa* by use of a novel indicator strain: *Klebsiella pneumoniae* ATCC 700603. *Journal of Clinical Microbiology* 2011, Dec;49(12):4301-3.
 - Gomez SA, Pasteran FG, Faccione D, Tijet N, Rapoport M, Lucero C, Lastovetska O, Albornoz E, Galas M, KPC-Group, Melano RG, Corso A, Petroni A. 2011. Clonal dissemination of *Klebsiella pneumoniae* ST258 harbouring KPC-2 in Argentina. *Clin Microbiol Infect* 17: 1520-4.
 - Pasteran F; Veliz O; Faccione D; Guerriero L; Rapoport M; Mendez T; Corso A. A simple test for the detection of KPC and MBL carbapenemase-possessing *Pseudomonas aeruginosa* isolates with the use of meropenem disks supplemented with aminophenylboronic acid, dipicolinic acid and cloxacillin. *Clinical Microbiology and Infection* 2011; 17(9):1438-1441
 - Gomez S, Rapoport M, Tognari A, Viegas-Caetano J, Faccione D, Corso A, Petroni A, Pasteran F. 2011. Emergence of metallo-β-lactamases in Enterobacteriaceae from Argentina. *Diagn Microbiol Infect Dis* 69: 94-7.
 - Pasteran F, Lucero C, Soloaga R, Rapoport M, and Corso A. Can we use imipenem and meropenem Vitek-2 MICs for the detection of suspected KPC and other carbapenemases producers among species of Enterobacteriaceae?. *J Clin Microbiol*, Feb 2011; 49 (2) :697-701.
 - M N. Almuzara, M Vazquez, N Tanaka, M Turco, M S. Ramirez, E L. Lopez, F Pasteran, M Rapoport, A Procopio, and C A. Vay. First Case of Human Infection Due to *Pseudomonas fulva*, an Environmental Bacterium isolated from Cerebrospinal Fluid. *J Clin Microbiol* 2010, 48(2):660-664.
 - F. Pasteran, T. Mendez, M. Rapoport, L. Guerriero, and A. Corso. Controlling False-Positive Results Obtained with the Hodge and Masuda Assays for Detection of Class A Carbapenemase in Species of Enterobacteriaceae by Incorporating Boronic Acid. *J Clin Microbiol* 2010, 48:1323-1332.
 - Poirel L, Mugnier PD, Toleman MA, Walsh TR, Rapoport MJ, Petroni A, Nordmann P. 2009. ISCR2, another vehicle for blaVEB gene acquisition. *Antimicrob Agents Chemother* 53: 4940-3.