

Teléfono: 645909133

Email: eroyuela@gmail.com

EDUCACIÓN

- **2008. Doctor en Biología.** Sobresaliente *Cum Laude*. Universidad de Alicante,
 - **2002-2004. Diploma de Estudios Avanzados en Microbiología.** Facultad de Medicina. Universidad Complutense de Madrid
 - **1998-2002: Licenciado en Biología.** Especialidad en Biotecnología. Facultad de Ciencias. Universidad de Alicante,
-

EXPERIENCIA PROFESIONAL

2015-actualidad

- Fundador, director y editor jefe de la publicación online Principia (www.principia.io) y las revistas impresas Principia Magazine (ISSN 2386-5997) y Principia kids

2011-2015

- Fundador, Director, Redactor y Editor en Jefe de la **revista online de ciencia y divulgación** en español **JoF** (Journal of Feelsynapsis), con ISSN: 2254-3651 (<http://feelsynapsis.com/jof/>).

2002-2011

- Investigador postdoctoral de la plantilla permanente del Centro de Investigaciones Médicas en Red (CIBER)

2007- 2008

- Investigador predoctoral en el Centro de Investigaciones Biomédicas en Red (CIBER)

2002-2007:

- Investigador predoctoral en el Centro Nacional de Microbiología (CNM). Instituto de Salud Carlos III (ISCIII).
-

MIEMBRO DE CONSEJOS y COLABORADOR HABITUAL

- Colaborador en el grupo de **taxonomía y nomenclatura viral de la Organización Mundial de la Salud**, liderado por la Dra. Li Jin (OMS)
 - Miembro del Comité de Editores de la revista Científica [Oriental Journal of Microbiological Research and Advances in Biotechnology](#)
-

PUBLICACIONES CIENTÍFICAS

- Bárcena-Panero A, Echevarría JE, Van Ghelue M, Fedele G, **Royuela E**, Gerits N, Moens U. [*BK polyomavirus with archetypal and rearranged non-coding control regions are present in cerebrospinal fluids from patients with neurological complications.*](#) J Gen Virol. 2012 Aug;93(Pt 8):1780-94. doi: 10.1099/vir.0.042143-0. Epub 2012 May 2.
- **Enrique Royuela**, Castellanos A, Sánchez-Herrero C., Sanz JC, De Ory F and Echevarría JE. [*Mumps virus diagnosis and genotyping using a novel single RT-PCR.*](#) Journal of Clinical Virology J Clin Virol. 2011 Dec; 52(4):359-62. Epub 2011 Oct 4. **IF: 4.023**
- Ana Bárcena-Panero, Juan E. Echevarría, María Pilar Romero-Gómez, **Enrique Royuela**, Ana Castellanos, Irene González, Giovanni Fedele. [*Development and validation with clinical samples of internally controlled multiplex real-time PCR for diagnosis of BKV and JCV infection in associated pathologies.*](#) Comp Immunol Microbiol Infect Dis. 2012 Mar; 35(2):173-9. doi: 10.1016/j.cimid.2011.12.010. Epub 2012 Jan 17.
- **Enrique Royuela**, Ana Castellanos, Sonia Vázquez-Morón, María Francisca Portero and Juan E. Echevarría. *Tentative New Mumps Virus Genotype*. Submitted to Emerging of Infectious Diseases (Submitted. EID - MS# EID-10-0607)
- Echevarría JE, Castellanos A, Sanz JC, Pérez C, Martínez de Aragón MV, Peña Rey I, Mosquera MM, De Ory F, **Enrique Royuela**. [*Circulation of mumps virus genotypes in Spain from 1996 to 2007.*](#) J Clin Microbiol. 2010 Apr;48(4):1245-54. **IF: 4.22**

- **Enrique Royuela**, [*Molecular cloning, expression and first antigenic characterization of human astrovirus VP26 structural protein and a C-terminal deleted form.*](#) Comp Immunol Microbiol Infect Dis. 33 (2010) 277; 1-14. **IF: 3.605**
 - Echevarría JE, Castellanos A, Sanz JC, Martínez de Aragón MV, Peña Rey I, Mosquera MM, De Ory F, **Enrique Royuela**. [*Mumps virus genotyping: Basis and known Circulating Genotypes.*](#) The Open Vaccine Journal, 2010, vol 3(5):37-41 (DOI: 10.2174/1875035401003010037)
 - **Enrique Royuela** et al., [*Development of a one step real-time RT-PCR method for sensitive detection of human astrovirus.*](#) J. Virol. Methods. 133 (2006), pp.14-19. **IF: 2.13**
-

PATENTES

- Co-Applicant and Co-Inventor of patent “Method and kit for detecting Hepatitis E virus (HEV)”. International Classification: C12Q1/68 (2006.01). European Classification: C12Q1/70B6A. Application number: PCT/ES2009/070492 (10.11.2009)
-

FORMACIÓN ADICIONAL

2013:

- Curso online de Posicionamiento web (SEO) aplicado a blogs (Madrid Emprende)

2011:

- Programación HTML y diseño web (15 hours)

2010:

- Curso de Diseño web a través de Dreamweaver y Photoshop (15 hours)

2009:

- Curso de Microarrays: análisis de datos y aplicaciones experimentales (20 hours)
- Curso de análisis básico de datos de Arrays de AND (12 hours)

2008:

- Curso de creación de empresas de base tecnológica “Madrid Bioemprende” (>400 hours)

2007:

- Curso de Microsoft Excel (20 hours)

2006:

- Curso de Citometría Analítica y análisis de datos (15 hours)
- Curso de laboratorio P3 y manipulación de agentes dpatógenos de clase 3 (15 hours)
- Curso de Microscopía Confocal (15 hours)
- Curso de Proteómica (14 hours)

2003:

- Curso de Experimentación Animal (20 hours)
 - Curso de Microscopía Electrónica y Salud: Técnicas para el diagnóstico de enfermedades de importancia en salud pública (30 hours)
-

CONGRESOS Y REUNIONES CIENTÍFICAS

2010:

- Bárcena-Panero, A., Castellanos, A., Echevarría, J.E., **Royuela, E.**, and Fedele, C.G. “Design, standarization and evaluation of an internally controlled real-time PCR for human poliomavirus BKV y JCV”. Poster Session. 4th European Congress of Virology, April 7-11, Villa Erba, Cernobbio, Como Lake, Italy, 2010.

2009:

- Bárcena-Panero, A., Castellanos, A., Echevarría, J.E., **Royuela, E.**, and Fedele, C.G. “Design, optimization and evaluation of a real-time PCR method including an internal control to detect human poliomavirus BKV y JCV”. Poster. X National Virology Congress, June 21-24, Salamanca, Spain ,2009.
- De Ory, F., Mosquera, MM., **Royuela, E.**, Peña-Rey, I., Martínez-Torres, A.O. and Echevarría, J.E. “Current Situation of Measles, Rubella and Mumps”. Roundtable. X National Virology Congress, June,21-24, Salamanca, Spain ,2009.
- Assistance at I Scientific Workshop. “*The New Influenza A (H1N1): Origin, Evolution and Future*”, developed in National Centre of Microbiology. Carlos III Health Institute, Majadahonda (Madrid), June 19, 2009.

2008:

- **Enrique Royuela** Ana Castellanos, María Eulalia Guisasola, Juan Carlos Sanz, Carmen Sanchez-Herrero, Mar Mosquera, Fernando de Ory and Juan Echevarría. “IMPORTANCE OF MOLECULAR DETECTION FOR DIAGNOSIS AND MONITORING MUMPS-VIRUS INFECTION”. Poster. 18th European Congress of Clinical Microbiology and Infectious Diseases, Barcelona, Spain, April 18-22, 2008.
- **Enrique Royuela** Ana Castellanos, María Eulalia Guisasola, Juan Carlos Sanz, Carmen Sanchez-Herrero, Mar Mosquera, Fernando de Ory and Juan Echevarría. “EFFECTIVENESS OF MOLECULAR MARKERS TO DETECT A SECONDARY VACCINE FAILURE IN MUMPS VIRUS INFECTION”. Poster. XIII *SEIMC* Congress in Madrid, May 11-14, 2008.

2007:

- **Enrique Royuela et al.**, “Importance of Human Astrovirus VP26 protein in virus-host interaction”. Poster. IX National Virology Congress, Zaragoza, Spain, April 11-14, 2007.
- Marta Fogeda, Vanesa Montero, Raquel Ramiro, Fernando Adam, Silvia Moreno, **Enrique Royuela**, Ana Revilla and A. Sanchez. “Prevalence and molecular analysis of emerging rotaviruses in Spain”. Poster. IX National Virology Congress, Zaragoza, Spain, April 11-14, 2007
- Ana Revilla, Silvia Moreno, Arantxa Potente, Vanesa Montero, Fernando Adam, Raquel Ramiro, Juan Carlos Sanz, **Enrique Royuela**, Marta Fogeda and A. Sanchez. “Norovirus, Astrovirus and Rotavirus Diversity co-circulating in Spain during three years: 2004-2006”. Oral Communication. IX National Virology Congress, Zaragoza, Spain, April 11-14, 2007.

2006:

- **Enrique Royuela et al.**, “APPLICATION OF GENETIC AND MOLECULAR METHODS TO DETECT A POSSIBLE INTERSPECIE TRANSMISSION INVOLVING HUMAN AND ANIMAL ASTROVIRUSES”. Poster. International Meeting MedVetNet in Malta, May 3-6, 2006.
- Ana Revilla, Ana Negredo, Silvia Moreno, Arantxa Potente, Vanesa Montero, **Enrique Royuela**, Juan Carlos Sanz, and A. Sanchez. “DIVERSITY OF CALICIVIRUS, ASTROVIRUS AND ROTAVIRUS GENOTYPES IDENTIFIED IN VIRAL GASTROENTERITIS OUTBREAKS THROUGHOUT SPAIN FROM 2000 TO 2005”. Poster. II International Meeting MedVetNet in Malta, May 3-6, 2006.
- A. Sanchez, Vanesa Montero, Silvia Moreno, M. Iturriza Gomara, Ana Revilla, A. Alonso, **Enrique Royuela**, J. Colomina, C. Guitierrez, C. Sainz de Baranda, M.J. López, P. Teno, I. Wilhelmi, M.L. Cilleruelo, E. Román, M. Alonso, M. Marugán and J. Gray. “THE CHANGING EPIDEMIOLOGY OF ROTAVIRUS IN SPANISH CHILDREN: G9 AND G3 AS A MAJOR CAUSE OF DIARRHOEA IN HOSPITALIZED CHILDREN”.Poster. 24th Annual Meeting of the European Society For Paediatric Infectious Diseases- ESPID in Basel, Switzerland, May 3-5,2006.
- Ana Revilla, Vanesa Montero, Silvia Moreno, **Enrique Royuela** , Arantxa Potente and A. Sanchez. “PREVALENCE OF CALICIVIRUS AND ASTROVIRUS IN HOSPITALIZED CHILDREN IN SPAIN DURING 2005” Poster. 24th Annual Meeting of the European Society For Paediatric Infectious Diseases- ESPID in Basel, Switzerland, May 3-5,2006.

2005:

- **E. Royuela**. “POTENTIAL REAL-TIME RT-PCR BASED TOOL TO DETECT HUMAN ASTROVIRUS IN FOOD FOR HUMAN CONSUMPTION”. Oral Communication. I International Meeting MedVetNet in Winchester. June 29-july 1, 2005.

- Ana Revilla, Vanesa Montero, Silvia Moreno, **Enrique Royuela**, Arantxa Potente and A. Sanchez. "DIVERSITY OF ASTROVIRUS AND CALICIVIRUS GENOTYPES IDENTIFIED IN VIRAL GASTROENTERITIS OUTBREAKS ACROSS SPAIN FROM 2000 TO 2005". Poster. I International Meeting MedVetNet in Winchester. June 29-july 1, 2005.
- **E. Royuela et al.** "DEVELOPMENT OF A ONE-STEP REAL-TIME RT-PCR. A POTENTIAL TOOL TO DETECT HUMAN ASTROVIRUS IN FOOD FOR HUMAN CONSUMPTION". Poster. I International Meeting MedVetNet in Winchester. June 29-july 1, 2005.

2004:

- **E. Royuela et al.** "DEVELOPMENT OF A ONE-STEP REAL-TIME RT-PCR TO DETECT HUMAN ASTROVIRUS". Poster. "II European Congress of Virology-Eurovirology", in Madrid, September 5-9, 2004.
- Ana Revilla, Juan Carlos Sanz, Ana Negredo, Aranzazu Alonso, Vanesa Montero, Eusebio Cubero, Silvia Moreno, **Enrique Royuela** and A. Sanchez. "A PILOT STUDY OF CIRCULATING GENOTYPES OF ASTROVIRUS AND NOROVIRUS FROM NON-BACTERIAL GASTROENTERITIS OUTBREAKS OCURRED IN MADRID FROM 2000 TO 2004". **Poster.** "II European Congress of Virology-Eurovirology", in Madrid, September 5-9, 2004.

2003:

- A. Sanchez, E. Roman, J. Colomina, E. Cubero, V. Montero, **E. Royuela**, A. Alonso and I. Wilhelmi. "DISTRIBUTION OF HUMAN ROTAVIRUS G TYPES IN SPAIN. DURING 1998-2003. EMERGENCE OF SEROTYPE G9". Poster. *8th International Symposium on dsRNA Viruses*. Il Ciocco, Castelvecchio Pascoli, Italy, September 13-18, 2003.

PARTICIPACIÓN EN PROGRAMAS DE INVESTIGACIÓN

- **Ph.D. Researcher** for Project "Impact Study of Mumps virus control in Spain and their immunological associated factors" (file nº TI-13-1/1)
- **Ph.D. Researcher** for Project "Integrated Study of Mumps Virus Neurotropism and Neurovirulence" (file nº AI08_001 and file nº AI08_006)
- **Researcher** for Project "A Pilot Study to examine the causes of apparition of mumps virus outbreaks" (file nº AI07_009)
- **Researcher** for Project "Structural and Antigenic Characterization of Human Astrovirus Serotype-2 (HAsV-2)" (file nº 03/01)
- **Researcher** for Project "Viral Gastroenteritis Searching: Incidence and Clinical Significance in Paediatric Patients (file nº SBVI 1284/02)

PONENCIAS EN JORNADAS DE DIVULGACIÓN

2013:

- **Ponente invitado** a las I Jornadas de divulgación científica “DivulgA3”, organizadas por el Campus de Excelencia internacional agroalimentario de la Universidad de Córdoba y la Escuela Internacional de Doctorado en Agroalimentación de la Universidad de Córdoba. 15 de Marzo de 2013. Universidad de Córdoba.
- **Ponente invitado** a las Jornadas de Investigación 2012-2013 de la Facultad de Medicina y Odontología de la Universidad de Valencia. **Enrique Royuela**: "De la red neuronal a la red social. Feelsynapsis y JoF como herramientas de conocimiento"

2012:

- **Ponente invitado** en las I Jornadas de Divulgación Científica de la Universidad de Murcia: Los blogs como medio emergente de divulgación de la ciencia. **E. Royuela**. “Virus. De la realidad a la ficción”. 13-14 Enero. Universidad de Murcia.

PUBLICACIONES DIVULGATIVAS

- **Enrique Royuela**. *Tabla Periódica de los Virus y otras partículas infecciosas*. Journal of Feelsynapsis. Epub 2012. Jul (5): 100-101. ISSN: 2254-3651. (<http://feelsynapsis.com/jof/005/index.html?pageNumber=100>)
- **Enrique Royuela**. *Premios Nobel de Ciencia*. Journal of Feelsynapsis. Epub 2011. Oct (1): 26-27. ISSN: 2254-3651. (<http://feelsynapsis.com/jof/001/index.html?pageNumber=26>).
- **Enrique Royuela**. *A mediator for horizontal gene transfer between eukaryotes and prokaryotes*. MappingIgnorance.org (<http://mappingignorance.org/2012/12/19/a-mediator-for-horizontal-gene-transfer-between-eukaryotes-and-prokaryotes-2/>).
- **Enrique Royuela**. *Towards a vaccine against HIV*. MappingIgnorance.org (<http://mappingignorance.org/2013/01/10/towards-a-vaccine-against-hiv/>)
- **Enrique Royuela**. *Flu: the H and the N*. MappingIgnorance.org (<http://mappingignorance.org/2013/04/24/flu-the-h-and-the-n/>)

