







PERSONAL INFORMATION

Margarita Salas Falgueras



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-  margarita.salasfalgueras@gmail.com
-  <https://mujeresconciencia.com/2018/02/20/margarita-salas-pasion-la-biologia-molecular/>
-  SMS +34 658 255 311

Sex Female | Date of birth 30/11/1938 | Nationality Spain

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Biochemistry

WORK EXPERIENCE

- 1974-2008 Research Professor at the Autonomous University of Madrid
- 1992-1993 Principal of the Autonomous University of Madrid
- 1977- Replication of the Bacteriophage DNA Ø29 and Protein Paper attached with Covalent to the 5'Ø29 ends of DNA in the start of replication. Control of the transcription of DNA. Molecular Biology Center "SEVERO OCHOA". CSIC-UAM. Madrid
- 1967-1977 Molecular Mechanisms of Bacteriophage Morphogenesis Ø29 and Control of the Expression of its DNA. Institute's Department of Molecular Biology "Gregorio Marañón" Department of Molecular Genetics of Virology and Molecular Genetics. CSIC. Madrid
- 1964-1967 Postdoctoral Work: Reading the Genetic Message and Mechanisms for indicating Protein Biosynthesis. Department of Biochemistry University of New York
Principal: Severo Ochoa
- 1961-1964 Predoctoral Work: Metabolisms Carbohydrates. Department of Enzymology.
Principal: Alberto Sols

Business or sector Biochemistry

EDUCATION AND TRAINING

- 1941-1952 EGB: Kindergarten ST Nicholas
- 1952-1954 BUP: IES Ruiz Gijón
- 1954-1956 COU: Scieces IES Ruiz Gijón
- 1956-1963 CIENCIAS QUÍMICAS (Completeness University of Madrid) rated Outstanding

LEVEL 8

PERSONAL SKILLS

Mother tongue(s) Spanish, Galician

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Residence in New York.(1964-1967)
Excellent communication skills in English

Job-related skills

▪ My Job related skills are Ø29 and the initiation of the Molecular Biology. Phi29 bacterial virus study

Computer skills

· Good command of Microsoft Office™ tools.

Other skills

▪ Play Tennis and Photography

Driving licence

▪ B

ADDITIONAL INFORMATION

Publications

- Mojardín, L., Botet, J., Moreno, S. and Salas, M. (2015). Chromosome segregation and organization are targets of 5'-Fluorouracil in eukaryotic cells. *Cell Cycle* 14, 206-218.
- Holguera, I., Muñoz-Espín, D. and Salas, M. (2015). Dissecting the role of DNA-binding residues of the ϕ 29 terminal protein in viral DNA replication. *Nucleic Acids Res.* 43, 2790-801.
- Morin, A., Cao, F.J., Lázaro, J. M., Arias-Gonzalez, J.R., Valpuesta, J. M., Carrascosa, J.L., Salas, M. and Ibarra, B. (2015). Mechano-chemical kinetics of DNA replication: identification of the translocation step of a replicative DNA polymerase. *Nucleic Acids Res.* 43, 3643-3652.
- Köhler, K., Duchardt-Fener, E., Lechner, M., Damm, K., Hoch, P.G., Salas, M. and Hartmann, R.K. (2015). Structural and mechanistic characterization of 6S RNA from the hyperthermophilic bacterium *Aquifex aeolicus*. *Biochimie* 117, 72-86.
- Berjón-Otero, M., Villar, L., de Vega, M., Salas, M. and Redrejo-Rodríguez, M. (2015). DNA polymerase from temperate phage Bam35 is endowed with processive polymerization and abasic sites translesion synthesis capacity. *Proc.Natl.Acad.Sci.USA.* 112, 3476-3484.
- Fornelos, N., Butala, M., Hodnik, V., Anderluh, G., Bamford, J. K. and Salas, M. (2015). Bacteriophage GIL01 gp7 interacts with host LexA repressor to enhance DNA binding and inhibit RecA-mediated auto-cleavage. *Nucleic Acids Res.* 43, 7315-7319.
- del Prado, A., Lázaro, J.M., Longás, E., Villar, L., de Vega M. and Salas, M. (2015). Insights into the determination of the templating nucleotide at the initiation of ϕ 29 DNA replication. *J.Biol.Chem.* 290, 27138-27145.
- Salas, M., Holguera, I., Redrejo-Rodríguez, M. and de Vega, M. (2016). DNA-binding proteins essential for protein-primed bacteriophage ϕ 29 DNA replication. *Frontiers in Molecular Biosciences.* 3, 37.
- Berjón-Otero, M., Villar, L., Salas, M. and Redrejo-Rodríguez, M. (2016). Disclosing early steps of protein-primed genome replication of the Grampositive tectivirus Bam35. *Nucleic Acids Res.* 44, 9733-9744.
- Mojardín L. and Salas, M. (2016). Global transcriptional analysis of virus-host interactions between phage ϕ 29 and *Bacillus subtilis*. *J. Virol.* 90, 9293-9304.
- Gella, P., Salas, M. and Mencía, M. (2016). Engineering permissive insertion sites in the bacteriophage Phi29 DNA-linked terminal protein. *PLoS One*, 11, 164901.
- Salas, M. (2016). My scientific life. *Bacteriophage* 6, 1271250.
- Suarez, C., Andrés, G., Kolovou, A., Hoppe, S., Salas, M. L., Walther, P. and Krijnse Locker, J. (2015). African swine fever virus assembles a single membrane derived from rupture of the endoplasmic reticulum. *Cellular Microbiol.* 17, 1683-1698.
- Lacasta, A., Monteagudo, P. L., Jiménez-Marín, A., Accensi, F., Ballester, M., Argilaguet, J., Galindo, I., Segalés, J., Salas, M. L., Domínguez, J., Moreno, A., Garrido J. J. and Rodríguez, F. (2015) Live attenuated African swine fever viruses as ideal tools to dissect the mechanisms involved in viral pathogenesis and immune protection. *Veterinary Research* 46,135 DOI: 10.1186/s13567-015-0275-z.
- Rodríguez, J. M., Moreno, L. T., Alejo, A., Lacasta, A., Rodríguez, F. and Salas, M. L. (2015) Genome sequence of African swine fever virus BA71, the virulent parental strain of the nonpathogenic and tissue-culture adapted BA71V. *PLoS One* Nov.30; 10 (11): e0142889. Doi: 10.1371/journal.pone.0142889. eCollection.
- Hernaez, B., Guerra, M., Salas, M. L. and Andrés, G. (2016) The uncoating of African swine fever virus: a stepwise disassembly process that culminates in inner envelope fusion at multivesicular endosomes. *PLoS Pathog* 12 (4): e105595 doi:10.1371/journal.ppat.1005595.

Honours and awards

- 1997: medal of principality of Asturias
- 1999: National research award Santiago Ramón y Cajal
- 1999: Award L'Oreal-UNESCO for "Women in science"
- 2000: L'OREAL-UNESCO awards for women in science
- 2001: Selected among the 100 women of the twentieth century that paved the way for equality in the XXI Century by the Council of Women of the Community of Madrid.
- 2002: Isabel Ferrer Award of the Generalitat Valenciana.
- 2002: Gold Medal of the Community of Madrid.
- 2003: Grand Cross of the Civil Order of Alfonso X, the Wise.
- 2004: International Prize for Science and Research Foundation CG.
- 2005: Gold Medal for Merit in Work.
- 2005: Medal of Honor of the Complutense University of Madrid.
- 2006: Award of Excellence granted by FEDEPE (Spanish Federation of Women Directors, Executives, Professionals and Entrepreneurs).
- Gold Medal of the College of Veterinarians of the Principality of Asturias.
- 2009: Title of Honorary Ambassador of the Spain Brand, category of Science and Innovation, which fails Leading Brands of Spanish Forum with the approval of the Ministry of Foreign Affairs and Cooperation.
- 2009: Women Leader Award 2009, awarded by the Rafael del Pino, Aliter and Merck Foundation.
- 2009: Award "An entire professional life" of the Mapfre Foundation.

2014: Chemistry Excellence Award, awarded by the General Council of Associations of Chemists of Spain.

- 2016: Medalla Echegaray
- 2019: European Inventor Award Lifetime Achievement Award and Audience Award

References

Severo Ochoa

ANNEXES

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- Recommendation letter
 - 2 Graduates
 - Graduate University

Madrid, 22/10/1960

Respetadísimo señor Alberto Sols García:

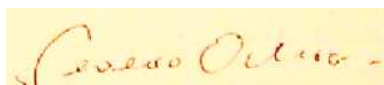
Reciba usted un cordial saludo con todos mis respetos. A través de estas líneas me gustaría recomendar a la señorita Margarita Salas Falgueras, que laboró en mis investigaciones durante 1 año, es una excelente ciudadana con una conducta perfecta, durante este tiempo demostró ser una gran bioquímica con unas capacidades ejemplares, siempre tiene una gran actitud y trabaja siempre a unos niveles gratificantes. Ha cumplido la labor que tenía asignada con creces. En todo momento se ha sentido con necesidad de aumentar sus conocimientos y mejorar como científica tanto como persona.

Siempre ha exhibido buenas costumbres y un trato cortés en cada una de las interacciones llevadas a cabo. Así mismo, puedo confirmar sus altos valores éticos que se ven reflejados en su trabajo diario. Es una excelente trabajadora que cumple precisamente las labores encomendadas y es miembro respetable y productiva de estas investigaciones.

Es un privilegio para mi el otorgar mi más completa y justa recomendación personal. Margarita Salas Falgueras es una gran mujer y una gran bioquímica la cual se sin ninguna duda que vaya donde vaya dejará en un alto nivel su nombre y el mío. Si necesita algún dato o información adicional no dude en contactarme, le resolveré sus dudas encantado.

Atentamente,

Severo Ochoa de Albornoz





Universidad
Rey Juan Carlos

UNIVERSIDAD REY JUAN CARLOS

otrga el TÍTULO de:

**DOCTORA HONORIS
CAUSA**

a: Margarita Salas Falgueras

En Reconocimiento a su excelente desempeño y destacado liderazgo en favor de la patria y la humanidad,
conforme a los principios, finalidades y reglamentaciones estatutarias de nuestro Claustro Doctoral.

Dr. Jesús Paz-Albo Prieto
Universidad Rey Juan Carlos



UNIVERSIDAD COMPLUTENSE DE
MADRID

CONSIDERANDO QUE, DE CONFORMIDAD CON LOS ACUERDOS ADOPTADOS POR LA JUNTA DE
GOBIERNO DE ESTA UNIVERSIDAD QUE REGULAN LA CONCESIÓN DE TÍTULOS PROPIOS

MARGARITA SALAS FALGUERAS

HA SUPERADO LOS ESTUDIOS CORRESPONDIENTES AL CURSO DE

CIENCIAS QUÍMICAS

ALFREDO TORRES

MARGARITA SALAS
FALGUERAS



UNIVERSITY OF
CAMBRIDGE

CERTIFICATE OF GRADUATION

This is awarded to

Margarita Salas Falgueras

Rufus Stewart

Margarita Salas
Falgueras