

CURRICULUM VITAE

Name: Sebastián Chávez de Diego

Born: July 25, 1964
Seville, Spain

Present position: Full Professor of Genetics in Universidad de Sevilla
Principal Investigator in Seville Institute of Biomedicine / Instituto de Biomedicina de Sevilla (IBiS)

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Studies and diplomas

Undergraduate: University of Seville
B.A. in Biology (1982-1987)
"Sobresaliente" (first-class academic mark). Award with special distinction.
Award *Compañía Sevillana de Electricidad* to the highest mark student, 1987.

Graduate: University of Seville
Ph.D. Biochemistry and molecular biology (1988-1992)
"Apto *cum laude* por unanimidad" (first-class academic mark)

Ph.D.Thesis: Glutamate dehydrogenases in cyanobacteria
Supervisor: Dr. Pedro Candau Chacón
Biochemistry Department, University of Seville.

Research experience and positions

Jan. 1988 - Dec. 1992	Research fellow. Instituto de Bioquímica Vegetal y Fotosíntesis, Sevilla. PhD thesis work.
Sept. - Dec. 1989	Stay in the Centre d'Etudes Nucléaires de Saclay, Gif sur Yvette, France, under the supervision of Dr. F. Chauvat. Field of research: Isolation of DNA fragments involved in light regulation of gene expression in cyanobacteria.
Jan. 1993 - Sept. 1995	Postdoctoral stay in the Institut für Molekularbiologie und Tumorforschung, Philipps-Universität Marburg, Germany, working under the supervision of Prof. Miguel Beato. Subject of research: Influence of chromatin structure on regulated transcription by steroid hormones.
Oct. 1995 – Sept. 2000	Research fellow. Genetics Department, University of Seville. Subject of research: Relationship between transcription and genome stability.
July - Sept. 1999	Stay in the Clare Hall laboratories of ICRF, South Mimms, England, colaborating with Dr. Jesper Svejstrup. Subject of research: Purification of the THO complex from <i>Saccharomyces cerevisiae</i> .
Sept. 2000 – May 2010	Associate professor. Genetics Department, University of Seville. Subject of research: Transcription elongation in <i>Saccharomyces cerevisiae</i> .
Jan. - July 2008	Sabbatical stay in the laboratory of Prof. David Bentley, University of Colorado and Health Sciences Center, Denver, Colorado, USA.
May 2010-present	Full professor. Department of Genetics, University of Seville. Principal Investigator in IBiS Subject of research: Mechanisms of gene expression

Teaching experience

Oct. 1987 - Dec. 1992	Biochemistry, University of Seville.
Oct. 1995 - present	Genetics and Molecular Biology, University of Seville.

Publications

García-Martínez J, Singh A, Medina D, **Chávez S**, Pérez-Ortín JE.
Enhanced gene regulation by cooperation between mRNA decay and gene transcription.
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Nucleic Acids Res. 49:6267-6280, **2021**.

Pérez-Ortín JE, Mena A, Barba-Aliaga M, Singh A, **Chávez S**, García-Martínez J.
Cell volume homeostatically controls the rDNA repeat copy number and rRNA synthesis rate in yeast.
PLoS Genet. 17(4):e1009520, **2021**.

Begley, V, De Miguel-Jiménez L, **Chávez S**.
Transcriptional Run-on: Measuring Nascent Transcription at Specific Genomic Sites in Yeast.
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Begley V, Jordán-Pla A, Peñate X, Garrido-Godino AI, Challal D, Cuevas-Bermúdez A, Mitjavila A, Barucco M, Gutiérrez G, Singh A, Alepuz P, Navarro F, Libri D, Pérez-Ortín JE, **Chávez S***.
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Overexpression of Canonical Prefoldin Associates with the Risk of Mortality and Metastasis in Non-Small Cell Lung Cancer.
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Pérez-Ortín JE, Tordera V, **Chávez S**.
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RNA Biol. 16:1659-1666, **2019**.

Begley V, Corzo D, Jordán-Pla A, Cuevas-Bermúdez A, Miguel-Jiménez L, Pérez-Aguado D,

Machuca-Ostos M, Navarro F, Chávez MJ, Pérez-Ortín JE, **Chávez S***.

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Maya Miles D, Peñate X, Sanmartín Olmo T, Jourquin F, Muñoz Centeno MC, Mendoza M, Simon MN, **Chávez S**, Geli V.

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Payán-Bravo L, Peñate X, **Chávez S***.

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Martínez-Fernández V, Garrido-Godino AI, Mirón-García MC, Begley V, Fernández-Pévida A, de la Cruz J, **Chávez S**, Navarro F.

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de la Cruz J*, Gómez-Herreros F, Rodríguez-Galán O, Begley V, Muñoz-Centeno MC, **Chávez S***.

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Mena A, Medina DA, García-Martínez J, Begley V, Singh A, **Chávez S**, Muñoz-Centeno MC, Pérez-Ortín JE.

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Gómez-Herreros F, Margaritis T, Rodríguez-Galán O, Pelechano V, Begley V, Millán-Zambrano G, Morillo-Huesca M, Muñoz-Centeno MC, Pérez-Ortín JE, de la Cruz J, Holstege FCP, **Chávez S**.

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Chávez S*, García-Martínez J, Delgado-Ramos L, Pérez-Ortín JE*.

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Chávez S* and Puerto-Camacho P.
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García-Martínez J, Delgado-Ramos L, Ayala A, Pelechano V, Medina DA, Carrasco F, González R, Andrés-León E, Steinmetz L, Warringer J, **Chávez S***, Pérez-Ortín JE*.

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González-Barrios M, Fierro-González JC, Krpelanova E, Mora-Lorca JA, Pedrajas JR, Peñate X, **Chavez S**, Swoboda P, Jansen G, Miranda-Vizueté A

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E. Gallastegui, G. Millán-Zambrano, J.M. Terme, **S. Chávez** and A. Jordan

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A. Rodríguez-Gil, J. García-Martínez, V. Pelechano, M.C. Muñoz-Centeno, V. Geli, J.E. Pérez-Ortín and **S. Chávez***.

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Nucleic Acids Research 38: 4651-4664, **2010**

M. Morillo-Huesca, D. Maya, M.C. Muñoz-Centeno, R. Kumar Singh, V. Oreal, G. U. Reddy, D. Liang, V. Géli, A. Gunjan, and **S. Chávez***.

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V. Pelechano, **S. Chávez** and J.E. Pérez-Ortín

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PLoS One 5: e15442, **2010**

M. Vanti, E. Gallastegui, I Respaldiza, A. Rodríguez-Gil, F. Gómez-herreros, S. Jimeno-González, A. Jordan and **S. Chávez***.

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PLoS Genetics 5: e1000364, **2009**

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The EMBO Journal 28: 326-336, **2009**.

V. Pelechano, S. Jimeno-González, A. Rodríguez-Gil, J. García-Martínez, J.E. Pérez-Ortín and **S.**

Chávez*.

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PLoS Genetics 5: e1000614, **2009**

M. Garcia-Rubio, **S. Chávez**, P. Huertas, C. Tous, S. Jimeno, R. Luna y A. Aguilera.

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Molecular Genetics and Genomics 279:123-132, **2008**

D. Maya, MJ Quintero, M de la Cruz Muñoz-Centeno and **S. Chávez***.

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M.J. Quintero, D. Maya, M. Arévalo-Rodríguez, A. Cebolla and **S. Chávez***.

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M. Morillo-Huesca, M. Vanti and **S. Chávez***.

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L. Martín-Banderas, A. Rodríguez-Gil, A. Cebolla, **S. Chávez**, Juan M. Fernández García, M. Flores-Mosquera, and A. Gañán-Clavo

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S. Jimeno-González, F. Gómez-Herreros, P.M. Alepuz and **S. Chávez***.

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S. Chávez (Editor) and several authors

Perspectivas en Genética y Biomedicina

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