

Antonio Ortega Jiménez

COMPUTATIONAL BIOCHEMIST

Citizenship: Spanish
Cell phone: +34 664 661 687
Email: antortjim@alum.us.es
rnq313@alumni.ku.dk
Website: antortega.com

LinkedIn:
[linkedin.com/in/antortjim](https://www.linkedin.com/in/antortjim)
SO careers:
careers.stackoverflow.com/antortjim

Education

MSc. Bioinformatics

University of Copenhagen

Prospective student.

2016-2018

BSc. Biochemistry

University of Seville

GPA: 2.51/4.0. Average: 8.46/10

Honors on Statistics, Biosynthesis of Macromolecules, Human Genetics, and Bioinformatics.

2012-2016

Health Sciences High School

I.E.S Alto Conquero

Average: 9.1/10

2010-2012

Awards

Best Huelva province high-school record

Government of Andalusia

2012

The two best high school students from the province of Huelva were awarded this prize.

Paco Anillo Award on Mathematics representing Huelva

Andalusian Association for Mathematical Education THALES

2008

A prize bestowed in every andalusian province upon the most genuine solution proposed to one of the exercises posed at the Mathematical contest undergone in the same year.

Computational Skills

Machine Learning

Neural Networks, Support Vector Machines, K-means, PCA

Bioinformatics methods

Microarrays, RNA-seq, ChIP-seq, Sequence analysis, Phylogeny, Modeling, Gene Networks

Bioinformatics software

Protocolo Tuxedo, IGV, GATK, COPASI, Cytoscape, CellDesigner, Scipio

Programming languages

R & Bioconductor, Octave/MATLAB, Python, HTML, CSS

Technologies

Linux, Bash, Vim, Latex, Arduino, GitHub, Inkscape

Research Projects (wet lab)

Characterization of *sigE*'s promoter
CIC Cartuja - CSIC

2014-2015

Collaborated with Drs. Muro and Vioque's group on the characterization of the *sigE* gene promoter in *Nostoc PCC7120*.

Characterization of All1873
CIC Cartuja - CSIC

2015-2016

Carried out my bachelor thesis on the heterologous expression of All1873, a hypothetical protein of unknown function from *Nostoc PCC7120*, in *E. coli*.

Volunteering

Salón del Estudiante High-school students were encouraged to study the Life Sciences through simple experimental performances.

Complementary education

Summer School on Bioinformatics
Complutense University of Madrid

2015

Python Syntax Course
Codecademy

2015

Machine Learning by Andrew Ng
University of Stanford at Coursera

2016

Languages

Spanish (Mother tongue)

English C1 level (advanced)

French B1 level (basic)

Hobbies

I enjoy practising sports, particularly jogging and basketball, and I always try to move around Seville by bike. I really enjoy listening to rock and electronic bands like AC/DC and Prodigy. I am fond of learning languages and new cultures. What I love the most is hanging out with my friends and visiting the center of Seville, an astonishingly beautiful city. I was a boy scout until age 11.

Portfolio

A listing of relevant projects in Bioinformatics carried out during my Bachelor of Science can be retrieved at antortega.com/?p=bioinformatics-portfolio.

Appendix

1. Best Huelva province record diploma (Spanish)
2. Summer School on Bioinformatics at Complutense University (Spanish)
3. Machine Learning by Andrew Ng Coursera Certificate (English)
4. Official college transcript of results (English)
5. Certificate in Advanced English (English)

JUNTA DE ANDALUCÍA

El Delegado Territorial de Educación,
Cultura y Deporte de Huelva

a

Antonio Ortega Jiménez

*Por haber obtenido el Premio Extraordinario de Bachillerato
2011/12, como reconocimiento a sus méritos académicos*

Huelva, 7 de marzo de 2013

El Delegado Territorial



Vicente Zarza Vázquez



EL RECTOR DE LA UNIVERSIDAD COMPLUTENSE

*Considerando que, de conformidad con los acuerdos adoptados por la Junta de Gobierno
de esta Universidad que regulan la concesión de títulos propios,*

Antonio Ortega Jiménez

ha superado los estudios correspondientes al Curso de

Bioinformática y biología computacional

desarrollado en la Escuela Complutense de Verano, se expide el presente

DIPLOMA

*que acredita haber seguido con aprovechamiento las mencionadas enseñanzas que, con una duración de 75 horas,
se han impartido durante el Curso Académico 2014/2015*

Dado en Madrid, a 24 de julio de 2015

El Rector,

CARLOS ANDRADAS HERANZ

El interesado, / La interesada,

ANTONIO ORTEGA JIMÉNEZ

Stanford | ONLINE

07/13/2016

Antonio Ortega Jiménez

has successfully completed

Machine Learning

an online non-credit course authorized by Stanford University and offered through Coursera



Associate Professor Andrew Ng
Computer Science Department
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

COURSE CERTIFICATE



Verify at coursera.org/verify/4PE3KZNFFX8M

Coursera has confirmed the identity of this individual and
their participation in the course.



ACADEMIC RECORDS - UNIVERSITY OF SEVILLE

ANTONIO ORTEGA JIMENEZ
DEGREE IN BIOCHEMISTRY BY THE UNIVERSITIES OF SEVILLA AND MALAGA

CODE	UNIT	YEAR	Marks	TYPE	CR	C
2240004	GENERAL CHEMISTRY	2012-13	Pass	6 Core	6	1
2240001	CELL BIOLOGY	2012-13	Good	7 Core	6	1
2240005	ORGANIC CHEMISTRY	2012-13	Good	7 Core	6	1
2240002	PHYSICS	2012-13	Good	7.5 Core	6	1
2240007	FUNDAMENTALS OF BIOCHEMISTRY	2012-13	Good	8.4 Compulsory	6	1
2240008	FUNDAMENTALS OF GENETICS	2012-13	Excellent	9 Core	6	1
2240010	PHYSICAL CHEMISTRY	2012-13	Excellent	9 Core	6	1
2240009	FUNDAMENTALS OF MICROBIOLOGY	2012-13	Excellent	9 Core	6	1
2240003	GENERAL MATHEMATICS APPLIED TO BIOCHEMISTRY	2012-13	Excellent	9.2 Core	6	1
2240006	STATISTICS APPLIED TO BIOCHEMISTRY	2012-13	Excellent Honors	10 Core	6	1
2240014	MACROMOLECULAR STRUCTURES	2013-14	Pass	6.7 Compulsory	6	2
2240019	ORGANOGRAPHY	2013-14	Good	7 Core	6	2
2240011	BIOPHYSICS	2013-14	Good	7.5 Compulsory	6	2
2240015	IMMUNOLOGY	2013-14	Good	7.6 Compulsory	6	2
2240013	ENZYMOLOGY AND ITS APPLICATIONS	2013-14	Good	8.1 Compulsory	6	2
2240016	EXPERIMENTAL BIOCHEMISTRY II	2013-14	Good	8.3 Compulsory	6	2
2240020	REGULATION OF METABOLISM	2013-14	Good	8.4 Compulsory	6	2
2240018	COMPUTER SCIENCE APPLIED BIOCHEMISTRY	2013-14	Good	8.5 Compulsory	6	2
2240012	EXPERIMENTAL BIOCHEMISTRY I	2013-14	Excellent	9 Compulsory	6	2
2240017	BIOSYNTHESIS OF MACROMOLECULES	2013-14	Excellent Honors	9.2 Compulsory	6	2
2240051	MICROBIAL BIOTECHNOLOGY	2014-15	Good	7.3 Optional	6	3
2240032	QUANTITATIVE METHODS INSTRUMENTALES	2014-15	Good	8.4 Compulsory	6	3
2240047	ENVIRONMENTAL BIOTECHNOLOGY	2014-15	Excellent	9 Optional	6	3
2240028	MOLECULAR SYSTEMS BIOLOGY	2014-15	Excellent	9.2 Compulsory	6	3
2240030	BIOCHEMISTRY, BIOTECHNOLOGY & SOCIETY	2014-15	Excellent	9.3 Compulsory	6	3
2240025	MOLECULAR GENETICS AND GENETIC ENGINEERING	2014-15	Excellent	9.3 Compulsory	6	3
2240050	ANIMAL BIOTECHNOLOGY	2014-15	Excellent	9.5 Optional	6	3
2240052	PLANT BIOTECHNOLOGY	2014-15	Excellent	9.5 Optional	6	3
2240023	MOLECULAR ANIMAL PHYSIOLOGY	2014-15	Excellent	9.7 Compulsory	6	3
2240024	MOLECULAR PLANT PHYSIOLOGY	2014-15	Excellent	9.8 Compulsory	6	3
2240022	FOOD BIOTECHNOLOGY	2015-16	Good	7.9 Optional	6	4
2240055	BIOREACTORS AND PROCESS TECHNOLOGY	2015-16	Good	7.9 Optional	6	4
2240039	HUMAN GENETICS	2015-16	Excellent Honors	9.4 Optional	6	4
2240056	MARINE BIOTECHNOLOGY	2015-16	Excellent	9.5 Optional	6	4
2240053	BIOINFORMATICS AND GENOME ANALYSIS	2015-16	Excellent Honors	10 Optional	6	4



Spanish alphanumeric Marks	Translated as	Spanish Marks
MATRICULA DE HONOR (MH) Restricted to a 5% of the class	Excellent Honors	10
SOBRESALIENTE (S)	Excellent	9.0-10
NOTABLE (N)	Good	7.0-8.9
APROBADO (A)	Pass	5.0-6.9
SUSPENSO (SS)	Fail	0-4.9
NO PRESENTADO (NP)	The Student has not yet taken the exam	-----
CONVALIDACION	VALIDATED (gen. from other previous studies)	

Translation of the Records held by the University of Seville on SEVIUS
Rafael Wagner MA ; International Office - Universidad de Sevilla-
C/Ciudad Jardin 20-241005 Sevilla – Spain
Tel.: 00 34 954 556098 E-Mail: rafawagner@us.es



Cambridge English Level 2 Certificate in ESOL International (Advanced)*

This is to certify that

ANTONIO ORTEGA JIMÉNEZ

has been awarded

Grade B

in the

Certificate in Advanced English

Council of Europe Level C1

Overall Score **194**

Reading	210
Use of English	194
Writing	180
Listening	198
Speaking	188

Date of Examination **FEBRUARY (CAE1) 2016**

Place of Entry **SEVILLE**

Reference Number **162ES0405016**

Accreditation Number **500/2598/3**

Saul Nassé
Chief Executive

*This level refers to the UK National Qualifications Framework

Date of Issue 31/03/16
Certificate Number 0052563674

00228680

Regulated by

Ofqual

For more information see <http://register.ofqual.gov.uk>

