



Europass Curriculum Vitae



Personal information

First name and Surname Gabriele Amore
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E-mail gabrieleamoreszn@gmail.com
Nationality Italian
Date of birth 30-08-1969
Gender male

Education 1998-PhD in Cellular and Developmental Biology-University of Palermo-Italy
1992-Bachelor Degree in Biology (summa cum laude)-University of Palermo-Italy

Work experience

Dates 2015 until current date:
Occupation or position held Teacher-Secondary School (grade 6-8) Math and Science Curriculum
Main activities and responsibilities Teaching
Name and address of employer Ministero dell'Istruzione e del Merito (MIM), Roma
Type of business or sector Teaching

Math teaching-related activities carried out since 2015

Speaker at math education meetings:

20-21/10/2023-Una didattica dell'"impalcatura" per preparare la classe al teorema di Pitagora- Insegnare e apprendere matematica in una scuola che cambia: nuove e vecchie sfide di pratica e ricerca didattica-Università degli Studi-Palermo
-24/5/2023 Giornata del curriculum verticale 2023-Per un curriculum sostenibile- CIDI Palermo
-14/5/2023 Convegno nazionale sulla didattica- Accademia Italiana per la Promozione della matematica- Con il patrocinio dell'Università degli Studi di Palermo
-5-7/11/2021 35° Convegno Nazionale- La didattica della Matematica: riflessioni teoriche e proposte concrete"- Incontri con la Matematica- Castel San Pietro (Bo)
-18-19 ottobre 2019 GIMAT "Giornata dell'insegnante di matematica 2019"- Università di Palermo
-11-13 ottobre 2019 "Matematica Inclusiva- Sicilia 2" Barcellona Pozzo di Gotto (ME)

Publications on math education

-“Piegare la carta per spiegare le frazioni” Atti del 35° Convegno Nazionale- La didattica della Matematica: riflessioni teoriche e proposte concrete"- Incontri con la Matematica- Castel San Pietro (Bo) 5-7/11/2021
-“Usare il concetto di pendenza (e il geopiano) nello studio della geometria piana, alla scuola secondaria di primo grado” –Quaderni di ricerca in didattica (*mathematics*). Numero 2, numero speciale n.5-2019 GRIM (Dipartimento di Matematica e Informatica Università di Palermo).

Teaching/mentoring roles in mathematics education

-AY 2023-24 Math and Geometry Laboratory Instructor at LUMSA-Palermo
-AY 2022-23 Lab instructor at "laboratorio 3 didattica speciale: codici del linguaggio logico e matematico" and "Laboratorio 5 -Disabilità sensoriali" – middle school (grade 6-8)- Specialization course for support activities -_TFA VII ciclo,
-AY 2021-22 Lab instructor at "laboratorio 3 didattica speciale: codici del linguaggio logico e matematico" and "Laboratorio 5 -Disabilità sensoriali" – middle school (grade 6-8)- Specialization course for support activities -_TFA VI ciclo

-AY 2019-20 Lab instructor at "laboratorio 3 didattica speciale: codici del linguaggio logico e matematico" – middle school (grade 6-8)- Specialization course for support activities - **TFA** V ciclo.

-SY 2021-22 tutoring for primary and secondary school teachers: "piega e spiega la matematica"; mentoring for primary school teachers STEM Labsi "**Comunità educante evoluta Zisa Danisinni**" project at Centro TAU (Palermo)-**CIDI Palermo**
 -SY 2020-21 mentoring for primary school teachers STEM Labsi "**Comunità educante evoluta Zisa Danisinni**" project at Centro TAU (Palermo)-**CIDI Palermo**
 -SY 2019-20 mentoring for primary school teachers STEM Labsi "**Comunità educante evoluta Zisa Danisinni**" project at Centro TAU (Palermo)-**CIDI Palermo**

Dates 2010-2014
Occupation or position held Research contract
Main activities and responsibilities Grape gene expression studies. Data analysis. Manuscript writing and publication on peer reviewed journals.
Name and address of employer Istituto Regionale della vite e del vino
Type of business or sector Regional research centre. Research and development in oenology, viticulture and yeasts microbiology.

Dates 2005-2011
Occupation or position held Researcher
Main activities and responsibilities Sea urchin and ascidian embryos gene expression studies. Data analysis. Manuscript writing and publication on peer reviewed journals
Name and address of employer Stazione Zoologica Anton Dohrn, Napoli
Type of business or sector Marine and developmental biology

Dates 1998-2005
Occupation or position held Post Doctoral Scholar
Main activities and responsibilities Sea urchin embryos gene expression studies. Data analysis. Manuscript writing and publication on peer reviewed journals
Name and address of employer California Institute of Technology-Pasadena-Ca-USA
Type of business or sector Developmental biology

Fellowships: 2006-2008 Marie Curie MIRG 036543
 2005- Programma Ministeriale, MIURST, "Rientro dei cervelli"
 1998- Borsa di studio "Perfezionamento all'estero". Univ. of Palermo
 1994-1997 Doctoral fellowship, Dipartimento di Biologia Cellulare e dello Sviluppo. Università of Palermo.
 1993-1994 CNR fellowship, Istituto di Biologia dello Sviluppo, CNR Palermo

Activity as referee for peer reviewed journals: 2009-Marine Genomics
 2007- "Developmental Dynamics", "Gene"

Additional information

<i>Language self-assessment</i>	Understanding		Speaking		Writing
	listening	reading	Spoken interaction	Spoken production	
<i>CEFR (*)</i>					
<i>English</i>	C1	C1	B2-C1	B2-C1	B2-C1
<i>French</i>	B1-B2	B2	B1-B2	B1-B2	B1

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Excellent ability of living, working collaborate in multicultural environments, acquired through experiences in an international research settings
Organisational skills and competences Proven organizational skills developed through extensive work in a global research setting

<i>Technical skills and competences</i>	Proven track record in a research laboratory setting, involving the use of specialized equipment
<i>Computer skills and competences</i>	Excellent proficiency in using various software applications, including office suites, graphic design tools, and coding platforms like Scratch
<i>Artistic skills and competences</i>	Strong artistic skills, including proficiency in various design software
<i>other skills and competences</i>	Proven skills in science communication, coupled with the ability to coordinate and organize laboratory work

Peer reviewed publications

Yazaki I, Tsurugaya T, Santella L, Chun J T, Amore G, Kusunoki S, Asada A, Togo T and Akasaka K. Ca²⁺ influx-linked protein kinase C activity regulates the b-catenin localization, micromere induction signalling and the oral–aboral axis formation in early sea urchin embryos. **Zygote**. 2014 Apr 9:1-21.
DOI: <http://dx.doi.org/10.1017/S0967199414000033>

Giaramida P., Ponticello G., Di Maio S., Squadrito M., Genna G., Barone E., Scacco A., Corona O., Amore G., Di Stefano R., Oliva D. “*Candida zemplinina* for the production of wines with less alcohol and more glycerol.” **SAJEV** 2013; 34, (2)
DOI:<https://doi.org/10.21548/34-2-1095>

Sanges R., Hadzhiev Y., Roure A., Ferg M., Meola N., Amore G., Basu S., Brown E.R., De Simone M., Petrer F., Licastro D., Strähle U., Banfi S., Lemaire P., Birney E., Müller F. and Stupka E. “Highly conserved elements discovered in vertebrates are present in non-syntenic loci of tunicates, act as enhancers and can be transcribed during development.” **NAR**. 2013; feb 7. DOI:10.1093/nar/gkt030

Aguilar-Hidalgo D., Domínguez-Cejudo MA., Amore G., Brockmann A., Lemos MC., Córdoba A., Casares F. “A Hh-driven gene network controls specification, pattern and size of the *Drosophila* simple eyes.”. **Development**. 2013;140(1):82-92.
DOI: 10.1242/dev.082172.

Di Maio S., Genna , Gandolfo V., Amore G.,Ciaccio M., Oliva D. “Presence of *Candida zemplinina* in Sicilian musts and selection of a strain for wine mixed fermentations.” **SAJEV** 2012; 33(1). DOI: <https://doi.org/10.21548/33-1-1309>.

Di Maio S., Polizzotto G., Di Gangi E., Foresta G., Genna G., Verzera A., Scacco A., Amore G., Oliva D. “Biodiversity of indigenous *Saccharomyces* populations from old wineries of southeastern Sicily (Italy): preservation and economic potential” **PLoS One** 2012;7(2):e30428. Epub 2012 Feb 29.
DOI:<https://doi.org/10.1371/journal.pone.0030428>

Brockmann A., Domínguez-Cejudo M. A., Amore G. & Casares F. “Regulation of ocellar specification and size by twin of eyeless and homothorax”. **Dev Dyn** 2011 Jan;240(1):75-85. DOI: 10.1002/dvdy.22494

Amore G*, Casares F. “Size matters: the contribution of cell proliferation to the progression of the specification *Drosophila* eye Gene Regulatory Network”. **Dev. Biol.** 2010; Aug 15;344(2):569-77.0. DOI: 10.1016/j.ydbio.2010.06.015

Danielli A. , Amore G*. Scarlato V. “Built shallow to maintain homeostasis and persistent infection: Insight into the Transcriptional Regulatory Network of the gastric human pathogen *Helicobacter pylori*.” **PLoS Pathog** 2010; 6(6): e1000938. doi:10.1371/journal.ppat.1000938

Mahmud Al A., Amore G*, Bernardi G. “Compositional genome contexts affect gene expression control in sea urchin embryo. **PLoS One**. 2008;3(12):e4025. Epub 2008 Dec 29. DOI: 10.1371/journal.pone.0004025.

Mahmud Al A., Amore G*. “The surprising complexity of the transcriptional regulation of the *spdri* gene reveals the existence of new linkages inside sea urchin’s PMC and Oral Ectoderm Gene Regulatory Networks.”. **Dev. Biol.** 2008 Oct 15; 322 (2); 425-434. DOI: 10.1016/j.ydbio.2008.07.036

Amore G., Davidson E. H. “*Cis*-Regulatory control of cyclophilin, a member of the ETS-DRI skeletogenic gene battery in the sea urchin embryo”. **Dev Biol.** 2006 May 15;293(2):555-64. DOI: [10.1016/j.ydbio.2006.02.024](https://doi.org/10.1016/j.ydbio.2006.02.024)

Otim O, Amore G, Minokawa T, McClay DR, Davidson EH.”*SpHnf6*, a transcription factor that executes multiple functions in sea urchin embryogenesis”. **Dev Biol.** 2004 Sep 15;273(2):226-43. DOI: 10.1016/j.ydbio.2004.05.033

Takacs CM, Amore G, Oliveri P, Poustka AJ, Wang D, Burke RD, Peterson KJ. "Expression of an NK2 homeodomain gene in the apical ectoderm defines a new territory in the early sea urchin embryo". *Dev Biol.* 2004 May 1;269(1):152-64. DOI: 10.1016/j.ydbio.2004.01.023

Amore G., Yavrouian R, Peterson KJ, Ransick A, McClay DR, Davidson EH. "Spdeadringer, a sea urchin embryo gene required separately in skeletogenic and oral ectoderm gene regulatory networks". *Dev. Biol.* 2003 Sept 1 261(1); 55-81 DOI: 10.1016/s0012-1606(03)00278-1

Davidson EH, Rast JP, Oliveri P, Ransick A, Calestani C, Yuh CH, Minokawa T, Amore G, Hinman V, Arenas-Mena C, Otim O, Brown CT, Livi CB, Lee PY, Revilla R, Schilstra MJ, Clarke PJ, Rust AG, Pan Z, Arnone MI, Rowen L, Cameron RA, McClay DR, Hood L, Bolouri H. "A provisional regulatory gene network for specification of endomesoderm in the sea urchin embryo". *Dev Biol.* 2002 Jun 1;246(1):162-90. DOI: 10.1006/dbio.2002.0635

Davidson EH, Rast JP, Oliveri P, Ransick A, Calestani C, Yuh CH, Minokawa T, Amore G, Hinman V, Arenas-Mena C, Otim O, Brown CT, Livi CB, Lee PY, Revilla R, Rust AG, Pan Z, Schilstra MJ, Clarke PJ, Arnone MI, Rowen L, Cameron RA, McClay DR, Hood L, Bolouri H. "A genomic regulatory network for development." *Science.* 2002 Mar 1;295(5560):1669-78. DOI: 10.1126/science.1069883

Rast JP, Amore G, Calestani C, Livi CB, Ransick A, Davidson EH.: "Recovery of developmentally defined gene sets from high-density cDNA macroarrays." *Dev Biol.* 2000 Dec 15;228(2):270-86. DOI: 10.1006/dbio.2000.9941

Sconzo G, Cascino D, Amore G, Geraci F, Giudice G. "Effect of the IMPase inhibitor L690,330 on sea urchin development". *Cell Biol Int.* 1998;22(2):91-4. DOI: 10.1006/cbir.1998.0229

Sconzo G, Amore G, Capra G, Giudice G, Cascino D, Ghersi G. "Identification and characterization of a constitutive HSP75 in sea urchin embryos". *Biochem Biophys Res Commun.* 1997 May 8;234(1):24-9 DOI: 10.1006/bbrc.1997.9996

Sconzo G, Ferraro MG, Amore G, Giudice G, Cascino D, Scardina G. "Activation by heat shock of hsp70 gene transcription in sea urchin embryos". *Biochem Biophys Res Commun.* 1995 Dec 26;217(3):1032-8. DOI: 10.1006/bbrc.1995.2873

Date 3-9-2024

