

Salvatore D'Aniello, PhD
Stazione Zoologica Anton Dohrn Napoli (Italy)

Curriculum Vitae

(updated 2017)

<p>Personal Data</p>	<p>Name and Surname: Salvatore D’Aniello Place of birth: Napoli, Italy Date of birth: 24/02/1975 e-mail address: salvatore.daniello@szn.it</p> <p>Current position: Researcher at Stazione Zoologica Anton Dohrn Biology and Evolution of Marine Organisms</p> <p>Villa Comunale 80121 Napoli - Italy www.szn.it tel: +39 081-5833418 fax: +39 081-7641355</p>
<p>Studies</p>	<p>21/10/1999 Degree in Biology with top marks (110/110 <i>summa cum laude</i>) at the University of Naples “Federico II”.</p> <p>15/07/2002 State Examination to become a Qualified Biologist.</p>
<p>Past and Actual Position</p>	<p>since 15/09/2010 Researcher at Stazione Zoologica Anton Dohrn of Napoli, Italy.</p> <p>2010 Assistant Professor, Department of Genetic, Faculty of Biology, University of Barcelona, Barcelona, Spain.</p> <p>09/12/2009 30/09/2010 Researcher IBMB Institut de Biologia Molecular de Barcelona, CSIC, Barcelona, Spain.</p> <p>01/12/2006 30/11/2009 “Juan de la Cierva” Fellowship. Post-doctorate position in Prof. Jordi Garcia-Fernàndez group, Department of Genetic, Faculty of Biology, Universitat de Barcelona, Barcelona, Spain.</p> <p>01/09/2004 31/09/2006 Marie Curie RTN Fellowship. Post-doctorate position in Prof. Jordi Garcia-Fernàndez group.</p> <p>2004 FY2004 JSPS Postdoctoral Fellowship for Foreign Researchers of the Japan Society for the Promotion of Science. Host laboratory: Professor Yasushi Okamura (JSPS/FF1/190; ID No. P 04492) (declined).</p> <p>01/12/1999 13/12/2003 PhD in Nueroscience at the Seconda Università degli Studi di Napoli (SUN). Supervisor: Prof. Bruno De Luca. And at the Stazione Zoologica Anton Dohrn of Napoli. Supervisors: Dr. Margherita Branno and Dr. Euan R. Brown.</p>

<p>01/06/1998 30/11/1999</p>	<p>Predoctoral Internship at the Stazione Zoologica Anton Dohrn of Napoli under the supervision of Dr. Margherita Branno, Department of Molecular Biology</p>
<p>Awards</p> <p>Languages</p> <p>Certifications</p>	<p>In 2004 Salvatore D’Aniello was awarded the “Alberto Monroy Award” from <i>Fondazione Alberto Monroy</i>, Department of Cellular Biology and Development, University of Palermo (Italy). This prize gives the opportunity to only one young Italian researcher per year to participate in the prestigious international course: “Embryology: Concepts and Techniques in Modern Development Biology” at the Marine Biological Laboratory in Woods Hole, Ma (USA).</p> <p>ITALIAN ENGLISH Proficiency level. SPANISH Proficiency level. CATALAN Intermediate level.</p> <p>Professor Collaborador y Lector / Lecturer from AQU (Agencia per a la Qualitat del Sistema Universitari de Catalunya / Agency for the Quality of the Catalan University) (doc. num. U1443/9829983-92). Obtained the 14/12/2009.</p> <p>Professor Agregat / Associate Professor from AQU, Agencia per a la Qualitat del Sistema Universitari de Catalunya / Agency for the Quality of the Catalan University) (doc. num. 9876905). Obtained the 14/12/2009.</p> <p>Abilitazione Scientifica Nazionale - Bando 2012 (DD n. 222/2012) Associate Professor / Professore Seconda Fascia in Comparative Anatomy and Cytology / Anatomia Comparata e Citologia - 05/B2. Obtained the 24/02/2014.</p> <p>Associate Professor / Professore Seconda Fascia in Molecular Biology / Biologia Molecolare - 05/E2. Obtained the 14/02/2014.</p>
<p>Publications</p> <p>2017</p>	<p>(SDA *corresponding author; #co-first author)</p> <p>Evolutionary recruitment of flexible Esrp-dependent splicing programs into diverse embryonic morphogenetic processes. Burguera Demian, Marquez Y, Racioppi C, Permanyer J, Torres A, Esposito R, Albuixech B, Fanlo L, D'Agostino Y, Navas-Perez E, Riesgo A, Cuomo C, Benvenuto G, Christiaen LA, Martí E, D'Aniello S, Spagnuolo A, Ristore F, Arnone MI*, Garcia-Fernández J*, Irimia M*. Nature Communication (accepted 30/09/2017).</p>

	<p><i>Nitric Oxide regulates mouth development in amphioxus.</i> Annona G, Caccavale F, Pascual-Anaya J, Kuratani S, De Luca P, Palumbo A, D'Aniello S*. Scientific Reports (2017), 7: 8432. doi: 10.1038/s41598-017-08157-w.</p> <p>Identification of long non-coding transcripts with feature selection: a comparative study. Ventola GM, Noviello TMR, D'Aniello S, Spagnuolo A, Ceccarelli C and Cerulo C. BMC Bioinformatics (2017), 18:187. doi: 10.1186/s12859-017-1594-z.</p> <p>Molecular basis, applications and challenges of CRISPR/Cas9: a continuously evolving tool for genome editing Ylenia D'Agostino and Salvatore D'Aniello* Briefings in Functional Genomics (2017), 1-6. doi: 10.1093/bfgp/elw038.</p>
2016	<p>Shedding light on ovothiol biosynthesis in marine organisms. Castellano I, Migliaccio O, D'Aniello S, Merlino A, Napolitano A, Palumbo A. Scientific Reports (2016) 6:21506. doi: 10.1038/srep21506.</p> <p><i>Rab32 and Rab38 genes in chordate pigmentation: an evolutionary perspective.</i> Coppola U, Annona G, D'Aniello S*, Ristoratore F*. BMC Evolutionary Biology (2016) 16: 26.</p> <p><i>A Rapid and Cheap Methodology for CRISPR/Cas9 Zebrafish Mutant Screening.</i> D'Agostino Y, Locascio A, Ristoratore F, Sordino P, Spagnuolo A, Borra M*, D'Aniello S*. Molecular Biotechnology (2016) 58: 73-8.</p> <p>Giovanni Annona, Nicholas D. Holland* and Salvatore D'Aniello*. <i>Evolution of the notochord.</i> EvoDevo (2015) 6: 30.</p>
2015	<p>Opsin evolution in the Ambulacraria D'Aniello S*, Delroisse J, Valero-Gracia A, Lowe EK, Byrne M, Cannon JT, Halanych KM, Elphick MR, Mallefet J, Kaul-Strehlow S, Lowe CJ, Flammang P, Ullrich-Lüter E, Wanninger A and Arnone MI. Marine Genomics (2015) 2:177-83. doi: 10.1016/j.margen.2015.10.001</p> <p><i>Evolution of selenophosphate synthetases: emergence and relocation of function through independent duplications and recurrent subfunctionalization.</i> Mariotti M, Santesmasses D, Capella-Gutierrez S, Mateo A, Arnan C, Johnson R, D'Aniello S, Yim SH, Gladyshev VN, Serras F, Corominas</p>

	<p>M, Gabaldón T, Guigó R. Genome Research (2015) 25: 1256-67. doi: 10.1101/gr.190538.115</p> <p>Evgeniya Anishchenko and Salvatore D’Aniello*. <i>Tunicate neurogenesis: the case of the SoxB2 missing CNE.</i> Mathematical Models in Biology. Springer (2015).</p> <p>Vassalli QA, Anishchenko E, Caputi L, Sordino P, D’Aniello S*, Locascio A*. <i>Regulatory elements retained during chordate evolution: Coming across tunicates.</i> Genesis (2015) 53: 66-81.</p>
2013	<p>Pascual-Anaya J, D’Aniello S, Kuratani S, Garcia-Fernández J. <i>Evolution of the Hox clusters in deuterostomes.</i> BMC Developmental Biology (2013) 13: 26.</p> <p>Ullrich-Luter EM, D’Aniello S, Arnone MI. <i>C-opsin Expressing Photoreceptors in Echinoderms.</i> Integrative and Comparative Biology (2013) 53: 27-38.</p>
2012	<p>Pascual-Anaya J, Adachi N, Alvarez S, Kuratani N, D’Aniello S*, Garcia-Fernández J*. <i>Broken colinearity of amphioxus Hox cluster.</i> EvoDevo (2012) 3: 28.</p> <p>López-Doménech G, Serrat R, Mirra S, D’Aniello S, Somorjai I, Abad A, Vitureira N, García-Arumí E, Alonso MT, Rodríguez-Prados M, Burgaya F, Andreu AL, García-Sancho J, Trullas R, García-Fernández J and Soriano E. <i>The Eutherian Armcx genes regulate mitochondrial trafficking in neurons and interacts with Miro and Trak2.</i> Nature Communications (2012) 3:814.</p> <p>Esposito R#, D’Aniello S#, Squarzoni P, Pezzotti MR, Ristoratore F and Spagnuolo A. <i>New Insights into the Evolution of Metazoan Tyrosinase Gene Family.</i> PLoS ONE (2012) 7(4): e35731</p>
2011	<p>Royo JL, Maeso I, Irimia M, Gao F, Peter IS, Lopes C, D’Aniello S, Casares F, Davidson EH, Garcia-Fernández J and Gómez-Skarmeta JL. <i>Transphylectic conservation of developmental regulatory state in animal evolution.</i> Proc Natl Acad Sci U S A (2011) 108: 14186-91.</p> <p>D’Aniello S#, Somorjai I#, Garcia-Fernández J, Topo E & D’Aniello A. <i>D-Aspartic acid is a novel endogenous neurotransmitter.</i> Faseb Journal (2011) 25: 1014-27.</p> <p>Andreakis N#, D’Aniello S#, Albalat R, Patti FP, Garcia-Fernández J,</p>

	<p>Procaccini G, Sordino P & Palumbo A. <i>Evolution of the Nitric Oxide Synthase family in metazoans.</i> <i>Molecular Biology and Evolution</i> (2011) 28:163-79.</p>
2010	<p>Punnamoottil B, Herrmann C, Pascual Anaya J, D'Aniello S, Garcia-Fernández J, Akalin A, Becker TS & Rinkwitz S. <i>Cis-regulatory characterization of sequence conservation surrounding the Hox4 genes.</i> <i>Developmental Biology</i> (2010) 340: 269-282.</p> <p>Vila-Farre' M, Sluys R, D'Aniello S, Cebriá F, Ferrer X & Romero R. <i>Marine planarians (Platyhelminthes, Tricladida, Maricola) from the western Mediterranean Sea and the Cantabrian coast: new records, one new genus, and immunocytochemistry of the nervous system.</i> <i>Journal of the Marine Biological Association of the United Kingdom</i> (2010) 90: 409-422.</p>
2009	<p>Garcia-Fernández J, Jiménez-Delgado S, Pascual-Anaya J, Maeso I, Irimia M, Minguillón C, Benito-Gutiérrez E, Gardenyes J, Bertrand S & D'Aniello S. <i>From the American to the European Amphioxus: towards Experimental Evo-Devo at the Origin of Chordates.</i> <i>International Journal of Developmental Biology</i> (2009) 53: 1359-66.</p> <p>Chambery A, Parente A, Topo E, Garcia-Fernández J & D'Aniello S*. <i>Characterization and Putative Role of a Type I Gonadotropin-Releasing Hormone in the Cephalochordate Amphioxus.</i> <i>Endocrinology</i> (2009) 150: 812-820.</p>
2008	<p>Pascual-Anaya J, D'Aniello S & Garcia-Fernandez J. <i>Unexpectedly large number of conserved non-coding regions within the ancestral chordate Hox cluster.</i> <i>Development, Genes and Evolution</i> (2008) 218: 591-7.</p> <p>D'Aniello S[#], Irimia M[#], Maeso I[#], Jiménez-Delgado S, Pascual-Anaya J, Bertrand S & Garcia-Fernández J. <i>Gene expansion and retention leads to a diverse Tyrosine kinase superfamily in amphioxus.</i> <i>Molecular Biology and Evolution</i> (2008) 25:1841-54.</p> <p>Sordino P, Andreakis N, Brown ER, Leccia NI, Squarzone P, Tarallo R, Alfano C, Caputi L, D'Ambrosio P, Daniele P, D'Aniello E, D'Aniello S, Maiella S, Miraglia V, Russo MT, Sorrenti G, Branno M, Cariello L, Cirino P, Locascio A, Spagnuolo A, Zanetti L & Ristatore F. <i>Natural Variation of Model Mutant Phenotypes in Ciona intestinalis.</i> <i>PLoS ONE</i> (2008) 3: e2344.</p>
2007	<p>Monteforte R, Santillo A, Lanni A, D'Aniello S & Baccari GC. <i>Morphological and biochemical changes in the Harderian gland of hypothyroid rats.</i></p>

	<p>Journal Experimental Biology (2008) 211: 606-12.</p> <p>D’Aniello S*, Fisher GH, Topo E, Ferrandino G, Garcia-Fernàndez J & D’Aniello A. <i>N-Methyl-D-aspartic Acid (NMDA) in the nervous system of the amphioxus Branchiostoma lanceolatum.</i> BMC Neuroscience (2007), 8: 109.</p> <p>Fuentes M, Benito E, Bertrand S, Paris M, Mignardot A, Godoy L, Jimenez-Degado S, Olivieri D, Candiani S, Hirsinger E, D’Aniello S, Pascual-Anaya J, Pestarino M, Vernier P, Nicolas JF, Schunert M, Laudet V, Genevriere AM, Albalat R, Garcia-Fernandez J, Holland ND & Escrivà H. <i>Insight into spawning behaviour and development of the mediterranean Amphioxus (Branchiostoma lanceolatum).</i> Journal of Experimental Zoology. Part B: Molecular and Developmental Evolution (2007) 308B: 484-493.</p> <p>Garcia-Fernàndez J, D’Aniello S & Escrivà H. <i>Organizing chordates with an organizer.</i> BioEssays 29 (2007): 619-624.</p> <p>D’Aniello S* & Garcia-Fernandez J. <i>D-Aspartic acid and L-amino acids in the neural system of the amphioxus Branchiostoma lanceolatum.</i> Amino Acids 32 (2007), 21-26.</p>
2006	<p>D’Aniello S, D’Aniello E, Locascio A, Memoli A, Corrado M, Russo MT, Aniello F, Fucci L, Brown ER & Branno M. <i>The ascidian homologue of the vertebrate homeobox gene Rx is essential for ocellus development and function.</i> Differentiation 74 (2006), 222-234.</p> <p>Pascual-Anaya J & D’Aniello S*. <i>Free amino acids in the nervous system of the amphioxus Branchiostoma lanceolatum. A comparative study.</i> International Journal of Biological Sciences 2 (2006), 87-92.</p>
2005	<p>Rauci F, D’Aniello S & Di Fiore MM. <i>Endocrine roles of D-aspartic acid in the testis of lizard Podarcis s. sicula.</i> Journal of Endocrinology 187 (2005), 347-359.</p> <p>D’Aniello S, Spinelli P, Ferrandino G, Peterson K, Tsesarskia M, Fisher G & D’Aniello A. <i>Cephalopod vision involves dicarboxylic amino acids: D-aspartate, L-aspartate and L-glutamate.</i> Biochemical Journal 386 (2005), 331-340.</p> <p>Rauci F, Assisi L, D’Aniello S, Spinelli P, Botte V & Di Fiore MM.</p>

2004	<p><i>Testicular endocrine activity is upregulated by D-aspartic acid in the green frog, Rana esculenta.</i> Journal of Endocrinology 182 (2004), 365-76.</p>
2003	<p>Russo MT, Donizetti A, Locascio A, D’Aniello S, Amoroso A, Aniello F, Fucci L & Branno M. <i>Regulatory elements controlling Ci-msxb tissue-specific expression during Ciona intestinalis embryonic development.</i> Developmental Biology 267 (2004), 517-528.</p> <p>D’Aniello A, Spinelli P, De Simone A, D’Aniello S, Branno M, Aniello F, Fisher GH, Di Fiore MM & Rastogi RK. <i>Occurrence and neuroendocrine role of D-aspartic acid and N-methyl-D-aspartic acid in Ciona intestinalis.</i> FEBS Letters 552 (2003), 193-198.</p> <p>Aniello F, Villano G, Corrado M, Locascio A, Russo MT, D’Aniello S, Francone M, Fucci L & Branno M. <i>Structural organization of the sea urchin DNA (cytosine-5)-methyltransferase gene and characterization of five alternative spliced transcripts.</i> Gene 302 (2003), 1-9.</p>
2002	<p>D’Aniello A, De Simone A, Spinelli P, D’Aniello S, Branno M, Aniello F, Rios J, Tsesarskaja M & Fisher G. <i>A specific enzymatic high-performance liquid chromatography method to determine N-methyl-D-aspartic acid in biological tissues.</i> Analytical Biochemistry 308 (2002), 42-51.</p>
2001	<p>Fisher GH, Arias I, Quesada I, D’Aniello S, Errico F, Di Fiore MM & D’Aniello A. <i>A fast and sensitive method for measuring picomole levels of total free amino acids in very small amounts of biological tissues.</i> Amino Acids 20 (2001), 163-173.</p> <p>D’Aniello S, Branno M, Aniello F, Spinelli P, De Simone A & Rastogi RK. <i>NMDA in the ovary of Ciona intestinalis and its involvement in GnRH secretion.</i> In “Perspective in Comparative Endocrinology: Unity and Diversity”, International Proceeding Division, Monduzzi Editore (2001), pg 1069-1074.</p>
2000	<p>D’Aniello A, Di Fiore MM, Fisher GH, Milone A, Seleni A, D’Aniello S, Perna AF & Ingrosso D. <i>Occurrence of D-aspartic acid and N-methyl-D-aspartic acid in rat neuroendocrine tissues and their role in the modulation of luteinizing hormone and growth hormone release.</i> FASEB Journal 14 (2000), 699-714.</p>

**Posters and
Conferences**

Multiple developmental roles of a tissue-specific alternative splicing factor across deuterostomes: ESRP genes are master regulators of diverse epithelial functions.

Burguera Demian, Navas Enrique, Cuomo Claudia, Racioppi Claudia, Esposito Rosaria, Herrera Carlos, Albuxech Beatriz, Andrikou, Carmen, **D’Aniello, Salvatore**, Spagnuolo, Antonietta, Ristoratore Filomena, Arnone, Maria Ina, Irimia Manuel, Garcia-Fernández Jordi.
Euro-Evo-Devo. 22-25 July 2014, Vienna (Austria).

“Pro-differentiation state of Deuterostomes’ nervous system in an evolutionary perspective”

Evgeniya Anishchenko, Maria Ina Arnone and **Salvatore D’Aniello**.
Euro-Evo-Devo. 22-25 July 2014, Vienna (Austria).

“Photoreceptor cell evolution in ambulacraria, a first contribution”

Alberto Valero-Gracia, **Salvatore D’Aniello**, Esther Ullrich-Leuter, Jerome Delroisse, Maria Ina Arnone.
Euro-Evo-Devo. 22-25 July 2014, Vienna (Austria).

“Photoreceptor cell evolution in ambulacraria, a first contribution”

Alberto Valero-Gracia, **Salvatore D’Aniello**, Esther Ullrich-Leuter, Jerome Delroisse, Maria Ina Arnone.
Marine Animal Models in Evolution and Development II: focussed on functional interference Course. 6-16 July 2014, Feldafing (Germany).

“Photoreceptor cell evolution in ambulacraria, a first contribution”

Alberto Valero-Gracia, **Salvatore D’Aniello**, Esther Ullrich-Leuter, Jerome Delroisse, Maria Ina Arnone.
3th International Congress on Invertebrate Morphology. 3-7 August 2014, Berlin (Germany).

“The regulation of nervous system development in an evolution perspective”

Evgeniya Anishchenko, Maria Ina Arnone and **Salvatore D’Aniello**.
Bringing Maths to Life. October 27-28 2014, Naples (IT).

“Long non-coding RNAs explosion: Novel implications in neurotrophins during the development of the nervous system”

Ylenia D’Agostino, Margherita Branno, Annamaria Locascio, Antonietta Spagnuolo, Filomena Ristoratore, Laura Zanetti, Paolo Sordino and **Salvatore D’Aniello**.
FEBS workshop: Decoding non-coding RNA in Development and Cancer. 12-15 October 2014, Capri (IT).

“Breaking the Hox colinearity in amphioxus”

Pascual-Anaya J, **D’Aniello S** & Garcia-Fernandez J.
Euro Evo Devo meeting, Paris (France), 6-9 July 2010.

“Evolution of the Nitric Oxide Synthase family in metazoans”

Andreakis N, **D'Aniello S**, Albalat R, Patti FP, Garcia- Fernández J, Procaccini G, Sordino P, Palumbo A.
Euro Evo Devo meeting, Paris (France), 6-9 July 2010.

“Neuronal NOS gene expression in the pretectum is partially conserved between chicken and mouse”

Ferrán JL, **D'Aniello S**, Sandoval JE, Martinez-de-la-Torre M, García-Fernández J & Puelles L.

6th European Conference on Comparative Neurobiology, ECCN6. Valencia (Spain), 22-24 April 2010.

“Phylogenetic Footprinting and Highly Conserved Noncoding Sequences Identification at Chordate Hox Gene Cluster”

Pascual-Anaya J, **D'Aniello S** & Garcia-Fernandez J.

Workshop “Chromatin domains and insulators”

Baeza (Spain), 9-11 November 2009.

“Dissection of the regulatory information around Hox4 paralogous genes”

Punnamoottil B, **D'Aniello S**, Pascual-Anaya J, Herrmann C, Garcia-Fernández J, Becker TS and Rinkwitz S.

8th International meeting on Zebrafish Development and Genetics.

25-29th June 2008. University of Wisconsin, Madison (USA).

“Gene expansion and retention leads to a diverse Tyrosine kinase superfamily in amphioxus”

D'Aniello S, Irimia M, Maeso I, Pascual-Anaya J, Jiménez-Delgado S, Bertrand S and Garcia-Fernández J.

Annual Meeting of the Society for Molecular Biology and Evolution.

5-8 June 2008. Barcelona (Spain).

“Tyrosine kinases in amphioxus, one of each and lots of ones”

Maeso I, **D'Aniello S**, Irimia M, Pascual-Anaya J, Jiménez-Delgado S, Bertrand S, and Garcia-Fernandez J.

Developmental Retreat of the Catalan Society of Biology.

September 17-18, 2007. Platja d'Aro (Spain).

“A prototypical genome for a prototypical body: the little amphioxus is ready for the next wave of EvoDevo”

Garcia-Fernández J, **D'Aniello S**, Jiménez-Delgado S, Pascual-Anaya J, Maeso I, Irimia M and Bertrand S.

Second meeting of Tge GDRE-RA “Comparative genomics”.

July 2007. Lyon (France).

“D-Aspartic acid and N-Methyl-D-Aspartic acid in the nervous system of Amphioxus and Moth”

D'Aniello S, Garcia-Fernández J, Topo E, Ferrandino G, D'Aniello A, Flynn C & Hidelbrand JG.

10th International Congress on Amino Acids and Proteins (ICAAP)

August 20-26, 2007. Kallithea, Chalkidiki (Greece).

“Marine Genomics. An International Conference”

October 28 - November 1, 2006. Sorrento (Italy).

“The RET Neurotrophic Complex in Cephalocordates”

D’Aniello S & Garcia-Fernandez J.

First and Founding Meeting of the European Society for Evolutionary Developmental Biology (EED).

August 16-19, 2006. Prague (Czech Republic).

“Phylogenetic Footprinting and Highly Conserved Noncoding Sequences Identification at Chordate Hox Gene Cluster”

Pascual-Anaya J, **D’Aniello S** & Garcia-Fernandez J.

First and Founding Meeting of the European Society for Evolutionary Developmental Biology (EED).

August 16-19, 2006. Prague (Czech Republic).

“Amphioxus: Post-genomics and functional Evo-Devo at the invertebrate-vertebrate transition”

Jordi Garcia-Fernandez, Elia Benito-Gutierrez, Josep Gardenyes, Senda Jimenez-Delgado, **Salvatore D’Aniello**, Ferran Lloret and Juan Pascual-Anaya.

SEB – Society for Experimental Biology. Annual Main Meeting.

July 11-15, 2005. Universitat Autònoma de Barcelona, Barcelona (Spain).

“Role of *Ci-Rx* transcription factor in the visual pathway of *Ciona intestinalis*”

Salvatore D’Aniello, Enrico D’Aniello, Annamaria Locascio, Marcella Corrado, Monia Teresa Russo, Francesco Aniello, Laura Fucci, Euan Brown and Margherita Branno.

SEB – Society for Experimental Biology. Annual Main Meeting.

July 11-15, 2005. Universitat Autònoma de Barcelona, Barcelona (Spain)

“Isolation of an ascidian homologue of the vertebrate homeobox gene *Rx*”

Salvatore D’Aniello, Alessandra Memoli, Marcella Corrado, Monia Teresa Russo, Francesco Aniello, Laura Fucci, Euan Brown and Margherita Branno.

International Urochordate Meeting 2003.

October 11-15, 2003. Carry-le-Rouet (France).

“Regulatory elements controlling *Ci-msxb* tissue specific expression during *Ciona intestinalis* embryonic development”

Monia Teresa Russo, Aldo Donizetti, Annamaria Locascio, **Salvatore D’Aniello**, Alessandro Amoroso, Francesco Aniello, Laura Fucci and Margherita Branno.

International Urochordate Meeting 2003.

October 11-15, 2003. Carry-le-Rouet (France).

	<p>”Evidence for a Vertebrate-type Gonadotropin Releasing Hormone (GnRH) in Sea Urchin Ovary” Salvatore D’Aniello, Margherita Branno, Patrizia Spinelli and Rakesh K. Rastogi. “47° SIB National Conference - Società Italiana di Biochimica e Biologia Molecolare”, September 16-19, 2002. Palermo (Italy).</p> <p>“Evidence for Putative D-Aspartyl β-Amyloid Secretase in Human Brain” Advances in Molecular Mechanisms of Neurological Disorders, European Society for Neurochemistry (ESN). May 22-25, 2001. Perugia (Italy).</p>
<p>Participation in Research Projects</p>	<p>Project Title: “Non-Coding RNA Explosion: Novel Implications in Neurotrophin Biology”. [864.000 €] (2012-2018) Financial Entity: FIRB - Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR). Project number RBFR12QW4I Principal Investigator: Dr. Salvatore D’Aniello, Stazione Zoologica Dohrn, Napoli (Italy).</p> <p>Project Title: Career Integration Grant (CIG) [100.000 €] (2011-2015) Financial Entity: Marie Curie and European Community. Principal Investigator: Dr. Salvatore D’Aniello, Stazione Zoologica Dohrn, Napoli (Italy).</p> <p>Project Title: Genome change and innovation in the vertebrate nervous system (2012-2015). Financial Entity: Ministerio Ciencia y Innovación, Spain. Principal Investigator: Prof. Jordi Garcia-Fernandez (Universitat de Barcelona, Spain).</p> <p>Project Title: Evolutionary Neurogenomics of Trophic Factors Human Potential and Mobility of Researchers Programme (2002-2006). Research Training Network: RTN2-2001-00029 [180.000 € (1.500.000 € network)] Financial Entity: Marie Curie and European Community. Principal Investigator: Prof. Jordi Garcia-Fernandez (Universitat de Barcelona, Spain).</p> <p>Project Title: Genomics Análisis of Regulatory Networks in Evolutionary Time (GARNET). Financial Entity: Marine Genomics Network of Excellence. European Commission 6th Framework Programme (2007-2008). Principal Investigator: Prof. Jordi Garcia-Fernandez (Universitat de Barcelona, Spain).</p>

Project Title: Duplication and co-option of genes and gene networks at the origin of vertebrates.

Plan Nacional de I+D, Programa Nacional de Promoción General del Conocimiento (2002-2005).

BMC2002-03316 (110.000 €)

Financial Entity: Ministerio de Ciencia y Tecnología (Spain)

Principal Investigator: Prof. Jordi Garcia-Fernandez (Universitat de Barcelona, Spain).

Project Title: Implementation of high-throughput genomic approaches to investigate the functioning of marine ecosystems and the biology of marine organisms (2004-2007). [10.000.000 € network]

Financial Entity: VI Framework Programme; Network of Excellence; European Community.

Principal Investigator: Prof. Jordi Garcia-Fernández (Universitat de Barcelona, Spain).

Project Title: Evolution and Development (Evo-Devo) (2005-2009).

Grups de recerca de qualitat, 2005SGR-00578 (36.000 €)

Financial Entity: Generalitat de Catalunya (Spain)

Principal Investigator: Prof. Jaume Baguña and Prof. Jordi Garcia-Fernández (Universitat de Barcelona, Spain).

Project Title: Postgenomics and the european amphioxus: towards the functional Evo-Devo at the origins of vertebrates (2005-2008).

Programa Nacional de Biología Fundamental. BFU2005-00252/BMC (170.000 €)

Financial Entity: Ministerio de Educación y Ciencia (Spain)

Principal Investigator: Prof. Jordi Garcia-Fernández (Universitat de Barcelona, Spain).

<p style="text-align: center;">Active Collaborations</p> <p>2004 - to present</p> <p>2009 - to present</p>	<p>Collaboration with <u>Dr. Hector Escrivà</u>, Laboratoire Arago, CNRS et Université Pierre et Marie Curie, Banyuls sur Mer, France (European Amphioxus Project).</p> <p>Collaboration with <u>Prof. Luis Puelles</u> and <u>Dr. Jose Luis Ferran</u>, Department of Human Anatomy and Psicobiology, University of Murcia, Murcia, Spain (Chordate Neuroanatomy Development and Evolution Project).</p> <p>Collaboration with <u>Dr. Ina Arnone</u>, Cellular and Developmental Biology Department, Stazione Zoologica Anton Dohrn, Napoli, Italy.</p>
<p style="text-align: center;">International Talks</p> <p>2010-2011</p> <p>2007</p> <p>2006</p> <p>2005</p>	<p><i>Evolution of the Nitric Oxide Synthase family in Metazoans</i></p> <ol style="list-style-type: none"> 1. Observatoire Océanologique de Banyuls sur Mer (France) Invited lecture by Héctor Escrivà (2011) 2. OIST Workshop “Evolution of Complex Systems”, Okinawa (Japan) Invited lecture by Prof. Nori Satoh (2010) 3. Department of Biological Sciences, Osaka University (Japan) Invited lecture by Prof. Yasushi Okamura (2010) 4. RIKEN Center for Developmental Biology, Kobe (Japan) Invited lecture by Shigeru Kuratani (2010) 5. Department of Human Anatomy and Psicobiology, University of Murcia (Spain) Invited lecture by Prof. Luis Puelles (2010) 6. Département de Traduction, Cycle Cellulaire et Développement, Station Biologique de Roscoff (France) Invited lecture by Dr. Sylvie Mazan (2010) <p>Amphioxus transgenesis. “Evo-Devo meets Marine Genomics: Comparative functional analysis of gene regulatory networks in marine species” MGE Summer Course. Invited Speaker. 2-13th July 2007. Stazione Zoologica “Anton Dohrn”, Napoli (Italy).</p> <p>Amphioxus as a novel model system. “Evolving Gene Networks: MGE cross node Workshop”. 24-26th April 2006. Station Biologique, Roscoff (France).</p> <p>Role of the Ci-Rx transcription factor in the visual pathway of <i>Ciona intestinalis</i>. “SEB, Society for Experimental Biology” - Annual Main Meeting”.</p>

<p style="text-align: center;">2001</p>	<p>11-15 July 2005. Univeritat Autònoma de Barcelona, Barcelona (Spain).</p> <p>Isolation of a new gene involved in the nervous system of the ascidia <i>Ciona intestinalis</i>.</p> <p>“Comparative Development Biology Meeting”. 17-23th April 2001. Sant’Angelo d’Ischia, Napoli (Italy).</p>
<p style="text-align: center;">International Attended Courses</p>	<p style="text-align: center;">2010</p> <p>“VII Mouse Developmental NeuroMorphology Course” Department of Human Anatomy and Psicobiology, University of Murcia, Murcia, Spain 28-31 January 2010</p> <p style="text-align: center;">2008</p> <p>“Generation of cDNA Libraries by Primer Extention” Marine Genomic Europe training course. Max Planck Institute for Molecular Genetics. Berlin (Germany). March 31 – April 4, 2008.</p> <p style="text-align: center;">2006</p> <p>“Molecular Mechanisms of Development” – EMBO Course. Fundació PRBB – Parc de Recerca Biomèdica de Barcelona, Barcelona (Spain). July 3-8, 2006.</p> <p>“Bioinformatic II – Sequence Analysys with GenDB and SAMS”. CeBiTec. Bielefeld University, Germany. February 6-10, 2006.</p> <p style="text-align: center;">2004</p> <p>“Embryology: Concepts and Techniques in Modern Development Biology”. Marine Biological Laboratory (MBL). Woods Hole, Ma (USA). 12th June to 25th July, 2004.</p>
<p style="text-align: center;">Expertise in Equipment Utilisation</p>	<p>Molecular Biology cDNA and Genomic Library Construction and Screening Bioinformatics Phylogenetic Analyses Marine Animal Maintenance Injection in ascidian, amphioxus and sea urchin eggs Zebrafish Transgenic (MO, CRISPR9) Immunohistochemistry HPLC</p>
<p style="text-align: center;">Course Teacher</p>	<p style="text-align: center;">2007</p> <p>MGE Summer Course. 2nd to 13nd of July 2007. Stazione Zoologica “Anton Dohrn” (SZN), Napoli – Italy. “Evo-Devo meets Marine Genomics: Comparative functional</p>

	<p>analysis of gene regulatory networks in marine species”</p> <p>Assemble Workshop “Funcional Genomics of Marine Model Organisms” Stazione Zoologica “Anton Dohrn” (SZN), Napoli – Italy. 22-23th May 2012. “The mediterranean Amphioxus: insights from an old model in the genomic area”</p>
<p>2012</p>	<p>Associate Professor for Biology degree and Biomedical Science degree of University of Barcelona, course: Analysis Biology II.</p>
<p>Academic Activity</p>	<p>Lecture on "Ascidian embryology and transgenesis" for the Animal Biotechnology course (Biotechnologia Animal, 2008), Biochemistry Degree. Invited by Prof. Marc Valls, University of Barcelona.</p>
<p>2010</p>	<p>Lecture on "Ascidian embryology and transgenesis" for the Animal Biotechnology course (Biotechnologia Animal, 2008), Biochemistry Degree. Invited by Prof. Ricard Albalat, University of Barcelona.</p>
<p>2007 - 2009</p>	<p>Lecture on "Ascidian embryology and transgenesis" for the Model Systems in Evo-Devo course for the Master in Developmental Biology and Genetics (2008). Invited by Prof. Jordi Garcia-Fernandez, University of Barcelona.</p>
<p>2007 - 2009</p>	<p>Lecture on "Ascidian embryology and transgenesis" for the Animal Genetic Engineering: Cell Cultures and Transgenics course (Enginyeria Genètica en Animals: Cultius Cel.lulars i Transgènics), Master in Developmental Biology and Genetics (2007). Invited by Prof. Ricard Albalat, University of Barcelona.</p>
<p>2007 - 2008</p>	<p>Co-Director of the PhD thesis of Juan Pascual Anaya: “Hox genes in the European amphioxus: towards functional Evo-Devo during the invertebrate/vertebrate transition”. University of Barcelona, Spain.</p>
<p>PhD thesis Director</p>	<p>Director of the PhD thesis of Evgeniya Anishchenko: “Trans-phyletic conservation of neuronal differentiation regulatory state in Deuterostomes” from Open University of London, UK.</p>
<p>2005-2009</p>	<p>Stazione Zoologica Dohrn, Napoli, Italy.</p>
<p>2011-2013</p>	<p>Director of the PhD thesis of Giovanni Annona: “Study of Nitric Oxide Synthases in Amphioxus” Stazione Zoologica Dohrn, Napoli, Italy.</p>
	<p>Director of the PhD thesis of Ylenia D’Agostino:</p>

	<p>Stazione Zoologica Dohrn, Napoli, Italy.</p> <p>Director of the PhD thesis of Filomena Caccavale: : “Study of Nitric Oxide Synthases in Amphioxus” Stazione Zoologica Dohrn, Napoli, Italy.</p> <p>Candidate: Victor Hernandez Hernandez. “Estudio de las técnicas de manipulación genica en <i>Gallus gallus</i>. RNAi y sobreexpresión heteróloga de <i>amphiHox-1</i>”. Universitat de Barcelona, Department de Genetica. 4th April, 2006</p>
<p>Member of PhD thesis Commission 2006</p>	<p>Candidate: Bea Albuixech Crespo. Universitat de Barcelona, Department de Genetica. 29th November, 2009</p>
<p>Member of Master thesis Commission 2009</p>	<p>Hector Huerga-Encabo, Spain Berta Canal-de Torres, Spain Stephanie Bosne, Portugal</p>
<p>Student Supervision 2009</p>	<p>Developmental Biology Retreat of the Societat Catalana de Biologia (SCB). Platja d’Aro, Girona, Spain. 17-18th September, 2007</p>
<p>Chairman 2007</p>	<p>International Journal of Developmental Biology Amino Acids Gene Journal of Histochemistry and Cytochemistry Microscopy Research and Technique BMC Developmental Biology</p>
<p>Manuscript Referee for:</p>	<p>Journal of Morphology Acta Histochemica Acta Zoologica BARD Research Proposal PLOS ONE</p>
	<p>Second EURO EVO-DEVO Conference The European Society for Evolutionary Developmental Biology. 29th July – 1st August, 2008. Ghent (Belgium)</p>
<p>International Conference</p>	<p>BCN DEVELOPMENTAL BIOLOGY JOINT RETREAT 2010. Sant Feliu de Guixols, Girona (Spain). 14th and 15th October 2010.</p>

Organizer	
	<p>Aggiungere tirocini</p> <p>Giuseppina Lambiase Marta Scelzo</p> <p>Incarichi Istituzionali SZN</p> <ul style="list-style-type: none"> - Comitato Biblioteca SZN (delibera n.81 del 01/10/2013) - Tutor Scientifico del PONA3_00239 MouZe della SZN - Docente per la Formazione di Giovani borsisti per il programma PONA3_00239 (Delibera SZN n.2140/E1). - Membro del Comitato Unico di Garanzia (delibera n.32 del 07/04/2016) - Futuro Remoto, Piazza Plebiscito Napoli 7-10 Ottobre 2016 -

Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali.

Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.

28/03/2017