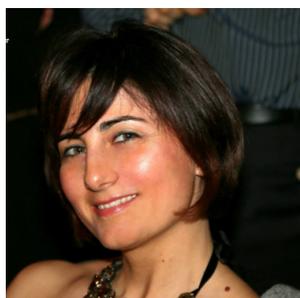


Valeria Di Dato



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Current Position: Researcher

Current Affiliation:

Marine Biotechnology Department, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Higher Scientific School, Somma Vesuviana, Naples, Italy	Scientific License	1989-1994	Scientific and Literal studies
Department of physiology, Faculty of Mathematical, Physical and Natural Sciences, University of Naples 'Federico II', Naples, Italy	Master (Laurea)	1995-2000	Biological sciences
Department of Biology and Pathology, Faculty of Medicine, University of Naples 'Federico II', Naples, Italy	Ph.D.	2002-2005	Molecular and Cellular Biology and Pathology
Institut de Genetique et Biologie Cellulaire et Moleculaire. Strasbourg, France	Postdoc	2005/2007	Neuroscience Molecular and Cellular Biology
Fondazione Santa Lucia, Roma/ Ceinge, Napoli	Post Doc	2008	Behavioral Neuroscience Lab
Angelini Acraf, Formia/ Ceinge, Napoli	Post Doc	2008/2009	Human genetics and cancer Lab

Zoological Station Of Naples “Anton Dohrn”	Temporary Research Associate	2013/2015	Ecology and Evolution of Plankton Laboratory
Zoological Station Of Naples “Anton Dohrn”	Temporary Research Associate	2016/2017	Integrated Marine Ecology Section
Zoological Station Of Naples “Anton Dohrn”	Temporary Research Associate	2017/2020	Marine Biotechnology Department
Zoological Station Of Naples “Anton Dohrn”	Researcher	01/02/2020 - ongoing	Marine Biotechnology Department

Appointments and awards

- 2000 CERTIFIED BY THE BOARD OF ITALIAN BIOLOGIST
- 2015 Aldo Fasolo SZN Award
- 2017 Marie Sklodowska-Curie Research and Innovation Staff Exchange, Staff Member
- 2018 Plos One Scientific Journal Peer Reviewer
- 2019 Genomic for a blue economy workshop organization
- 2019-ongoing Editorial board member of the Journal of Marine Science

Project

International Project:

- Assemble plus first call 2018.
- EMBRIC Transnational Access program 2018, Second Call.
- Italy-South Africa Joint Proposal 2017, “Genomics for A Blue Economy.
- EMBRIC Transnational Access program 2017, First call.
- REA-MSCA-H2020-RISE, Marie Sklodowska-Curie Research and Innovation Staff Exchange, Staff Member, Marie Sklodowska-Curie fellow.
- Ocean Medicine (<http://www.pharma-sea.eu/pharmasea/other-h2020-projects/ocean-medicine.html>).
- PharmaSea, “Exploring the hidden potential: Novel bioactive compounds” (<http://www.pharma-sea.eu>).
- Tara Oceans and STEFI project (<http://oceans.taraexpeditions.org/m/science/>).
- GYPSY (A forward genetic screen in the marine planktonic diatom *Pseudo-nitzschia multistriata*) (http://cordis.europa.eu/result/rcn/175665_en.html).

- EET Pipeline (European Embryonal Tumor Pipeline) (http://cordis.europa.eu/result/rcn/48730_en.html).
- TumiC (An integrated concept of tumor metastasis: implications for therapy) (http://cordis.europa.eu/project/rcn/86765_en.html).
- Canada-Italy proposal 2008, "Paediatric cancers : focus on medulloblastoma" - writing contribution .

National Project:

- PRIN 2018 (call for Research project of National Interest), Chemical Interactions in Aquatic Organisms (acronym: CIAO).
- PON Innovazione e Ricerca 01_00117.
- P-MIZE+20, "Plankton Biodiversity and Functioning of the Marginal Ice Zone Ecosystem in a Changing Antarctic Ocean".
- LIFE15 ENV, "Biosensor-based device for real-time PAHs detection in sea, groundwater and human fluids in the SIN Bagnoli-Coroglio".
- Premiale FOE 2015, ExPO, "Exploring the biotechnological Potential of marine Organisms".
- Progetto Forgiare, "Nuove terapie translazionali per la cura del cancro".
- AngeliniPharma, "A preclinical animal model of inhibition of prostate cancer metastases by targeting CCL2 in Athymic/Nude mice: a proof of concept".
- PRIN 2010, "Towards a therapeutic strategy for metastatic breast cancer: validation of newly generated drugs against the pro-metastatic h-prune activity in xenograft and sporadic models of breast cancer in mouse" - writing contribution.
- AIRC2010, "miRNAs in paediatric Tumors".
- Progetto Pensiero 2009.
- Progetto Jacuc2009, "Modelli animali del gene H-PRUNE e del suo pathway di azione".
- Fondazione Guido Berlucchi per la ricerca sul cancro, bando 2009, "Screening of new drugs against molecular pathways involved in medulloblastoma development".

Students' Supervision

Bachelor degree students; Master degree students; Graduate Intern; PhD student; Teaching: Special education technical school: chemistry and cosmetology, anatomy and hygiene, C.N.O.S.-FAP Institution, Naples; Università degli studi di Napoli "Federico II", Academic Year 2010/2011, supplementary teaching activities to Medical Genetics courses.

Publications

1. Chun, JT; Di Dato, V; D'andrea, B; Zannini, M; Di Lauro, R.

The CRE-like element inside the 5'-upstream region of the rat sodium/iodide symporter gene interacts with diverse classes of b-Zip molecules that regulate transcriptional activities through strong synergy with Pax-8.

Mol Endocrinol. 2004 Nov;18(11):2817-29. Epub 2004 Aug 19.

2. Nitsch R, Di Dato V*, di Gennaro A, de Cristofaro T, Abbondante S, De Felice M, Zannini M, Di Lauro R.

Comparative genomics reveals a functional thyroid-specific element in the far upstream region of the PAX8 gene.

BMC Genomics. 2010 May 14;11:306. doi: 10.1186/1471-2164-11-306.

3. Alotaibi H, Yaman E, Salvatore D, Di Dato V, Telkoparan P, Di Lauro R, Tazebay UH.

Intronic elements in the Na⁺/I-symporter gene (NIS) interact with retinoic acid receptors and mediate initiation of transcription.

Nucleic Acids Res. 2010 Jun;38(10):3172-85. doi: 10.1093/nar/gkq023. Epub 2010 Jan 31.

4. Napolitano F, Pasqualetti M, Usiello A, Santini E, Pacini G, Sciamanna G, Errico F, Tassone A, Di Dato V, Martella G, Cuomo D, Fisone G, Bernardi G, Mandolesi G, Mercuri NB, Standaert DG, Pisani A.

Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia.

Neurobiol Dis. 2010 Jun;38(3):434-45. doi: 10.1016/j.nbd.2010.03.003. Epub 2010 Mar 19

5. Castelletti D, Fiaschetti G, Di Dato V, Ziegler U, Kumps C, De Preter K, Zollo M, Speleman F, Shalaby T, De Martino D, Berg T, Eggert A, Arcaro A, Grotzer MA..

The quassinoid derivative NBT-272 targets both the AKT and ERK signaling pathways in embryonal tumors.

Mol Cancer Ther. 2010 Dec;9(12):3145-57. doi: 10.1158/1535-7163.MCT-10-0539. Epub 2010 Oct 1.

6. Liguori L, Andolfo I, de Antonellis P, Aglio V, Di Dato V, Marino N, Orlotti NI, De Martino D, Capasso M, Petrosino G, Schramm A, Navas L, Tonini GP, Eggert A, Iolascon A, Zollo M. The metallophosphodiesterase Mpped2 impairs tumorigenesis in neuroblastoma.

Cell Cycle. 2012 Feb 1;11(3):569-81. doi: 10.4161/cc.11.3.19063. Epub 2012 Feb 1.

7. Zollo M, Di Dato V*, Spano D, De Martino D, Liguori L, Marino N, Vastolo V, Navas L, Garrone B, Mangano G, Biondi G, Guglielmotti A.

Targeting monocyte chemotactic protein-1 synthesis with bindarit induces tumor regression in prostate and breast cancer animal models.

Clin Exp Metastasis. 2012 Aug;29(6):585-601. doi: 10.1007/s10585-012-9473-5. Epub 2012 Apr 7.

8. Virgilio A, Spano D, Esposito V, Di Dato V, Citarella G, Marino N, Maffia V, De Martino D, De Antonellis P, Galeone A, Zollo M.

Novel pyrimidopyrimidine derivatives for inhibition of cellular proliferation and motility induced by h-prune in breast cancer.

Eur J Med Chem. 2012 Nov;57:41-50. doi: 10.1016/j.ejmech.2012.08.020. Epub 2012 Aug 23.

9. Cimmino, Flora; Scoppettuolo, Maria Nunzia; Carotenuto, Marianeve; De Antonellis, Pasqualino; Di Dato, Valeria; De Vita, Gennaro; Zollo, Massimo.

Norcantaridin impairs medulloblastoma growth by inhibition of Wnt/ β -catenin signaling.

Journal of neuro-oncology,106,1,59-70,2012,Springer

10. Carotenuto M, Pedone E, Diana D, de Antonellis P, Džeroski S, Marino N, Navas L, Di Dato V, Scoppettuolo MN, Cimmino F, Correale S, Pirone L, Monti SM, Bruder E, Zenko B, Slavkov I, Pastorino F, Ponzoni M, Schulte JH, Schramm A, Eggert A, Westermann F, Arrigoni G, Accordi B, Basso G, Saviano M, Fattorusso R, Zollo M.

Neuroblastoma tumorigenesis is regulated through the Nm23-H1/h-Prune C-terminal interaction.

Sci Rep. 2013;3:1351. doi: 10.1038/srep01351.

11. Spano D, Marshall JC, Marino N, De Martino D, Romano A, Scoppettuolo MN, Bello AM, Di Dato V, Navas L, De Vita G, Medaglia C, Steeg PS, Zollo M.

Dipyridamole prevents triple-negative breast-cancer progression.

Clin Exp Metastasis. 2013 Jan;30(1):47-68. doi: 10.1007/s10585-012-9506-0. Epub 2012 Jul 4.

12. Di Dato V*, Musacchia F, Petrosino G, Patil S, Montresor M, Sanges R, Ferrante MI. Transcriptome sequencing of three Pseudo-nitzschia species reveals comparable gene sets and the presence of Nitric Oxide Synthase genes in diatoms.

Sci Rep. 2015 Jul 20;5:12329. doi: 10.1038/srep12329.

13. Di Dato V*+, Orefice I, Amato A, Fontanarosa C, Amoresano A, Cutignano A, Ianora A, Romano G.

Animal-like prostaglandins in marine microalgae.

ISME J. 2017 Jul;11(7):1722-1726. doi: 10.1038/ismej.2017.27. Epub 2017 Mar 28.

14. Di Dato V*+, Di Costanzo F, Barbarinaldi R, Perna A, Ianora A, Romano G.

Unveiling the presence of biosynthetic pathways for bioactive compounds in the *Thalassiosira rotula* transcriptome.

Sci Rep. 2019 Jul 9;9(1):9893. doi: 10.1038/s41598-019-46276-8.

15. Di Costanzo F, Di Dato V+, Ianora A, Romano G.

Prostaglandins in Marine Organisms: A Review.

Mar Drugs. 2019 Jul 23;17(7). pii: E428. doi: 10.3390/md17070428. Review. Marine Antiinflammatory Agents Special Issue.

16. Di Dato V, Ianora A, Romano G.

Identification of Prostaglandin Pathway in Dinoflagellates by Transcriptome Data Mining.

Marine Drugs 2020, 18 (2), 109