



ADRIANNA IANORA Curriculum Vitae

Informazioni Personali

Nome: Adrianna Ianora
Data di Nascita: 1 Gennaio 1953
Nazionalità: Italiana, Canadese
E-mail: adrianna.ianora@szn.it

Posizione Attuale: Dirigente di Ricerca, Direttore del Dipartimento di Biotecnologie Marine della Stazione Zoologica Anton Dohrn (SZN)

Educazione:

- Bachelor of Science, McGill University Montreal Canada 1975
- Laurea *cum Laude* Scienze Naturali, Università di Napoli, 1980

Esperienza Lavorativa:

- Borsa di Studio (Ufficio Affari Esteri Rapporti Canada-Italia) svolto alla SZN dal 1976-1978
- Borsa di Studio Università di Messina 1981
- Ricercatore Tempo Indeterminato III livello SZN 1983-1992
- Ricercatore II livello SZN 1992-1998
- Dirigente di Ricerca dal 1998
- Direttore del Dipartimento di Ecofisiologia Marine 2010-2012
- Direttore del Dipartimento di Ecologia Funzionale e Evolutiva dal 2012-2015
- Coordinatore del Acquario e Area Acquariologia 2014
- Direttore del Dipartimento di Ecologia Marina Integrata 2015-2018
- Direttore del Dipartimento di Biotecnologie Marine 2018-attuale

Dati Bibliometrici:

- Autore di 151 pubblicazioni scientifiche in ISI journals e 6 capitoli di libri
- Co-editore di tre libri sugli Ecosistemi Antartici and peri-Antartici pubblicati da Springer Verlag
- Più di 30 plenary and invited lectures ad eventi internazionali e nazionali
- ISI h-index = 41; Google Scholar h-index = 51 (7715 citations)

Trasferimento Tecnologico:

Co-fondatrice della compagnia spin-off SZN-CNR BioSEArch srl nel 2016 per lo sviluppo di nuovi farmaci e cosmeceutici da microalghe marine. Chief Biology Officer e Membro del Board of Directors. <https://www.biosearchsrl.com/>
Portfolio dei Prodotti più avanzati:

Sulfavant: adiuvante per la formulazione di vaccine (Brevetto Europeo EP3007725A1). In fase di sviluppo pre-clinico, finanziato dal progetto POR CAMPANIA FESR 2014/2020 –Antitumor drugs and vaccines from the sea (ADVISE) PG/2018/0494374. 2019-2021

Skin-Rep: formulazione per uso topico ottenuto da microalghe marine con attività antiossidante, antinfiammatoria e analgesica in via di co-sviluppo commerciale con la Compagnia Farmaceutica-Cosmeceutica PRIGEN <https://prigen.it/chi-siamo/>



Brevetto

“Metodo e kit per predire la morte cellulare in risposta a stimoli biotici e/o abiotici”

Inventori: Adrianna IANORA, Clementina SANSONE, Maria Luisa CHIUSANO, Giovanna ROMANO, Christian GALASSO, Michael TANGHERLINI, Christophe BRUNET.

Domanda numero: 812019000108834; Data di presentazione: 26/08/2019

Interessi di ricerca

In natura, le interazioni basate su segnali chimici spesso regolano la crescita e la sopravvivenza dei macro- e micro- organismi, determinando così il successo biologico e influenzando la successione stagionale, la struttura di nicchia e la dinamica delle popolazioni. Ciò che rende queste sostanze chimiche di interesse umano e commerciale è legato alla loro bioattività e la loro potenziale applicazione come farmaci per il trattamento di numerose malattie. La mia ricerca utilizza spunti ecologici sulle interazioni tra piante e animali nel plancton per aumentare le probabilità di scoprire nuovi farmaci da microalghe marine. Per esempio, siamo stati i primi a scoprire che le diatomee producono composti anti-proliferativi (aldeidi polinsature) che potenzialmente sabotano le future generazioni di copepodi inducendo aborti, malformazioni e tassi di sviluppo lenti che hanno portato alla pubblicazione di due lavori nella prestigiosa rivista Nature (Miralto et al. Nature 1999 con oltre 600 citazioni e Ianora et al. Nature 2004 con 358 citazioni) e alla pubblicazione di numerosi altri lavori scientifici su quest'argomento negli ultimi 25 anni. Tali studi, che hanno dato un grande impulso alla crescita dell'ecologia chimica marina al livello globale, hanno portato anche a una mia sempre maggiore interesse nelle possibili applicazioni di queste molecole per usi biotecnologici nel campo biomedico. Negli ultimi 10 anni le mie ricerche hanno dimostrato che metaboliti come quelli prodotti da diatomee e altri gruppi microalgali inducono la morte cellulare per apoptosi in varie linee cellulari di adenocarcinoma. Tali studi sulle possibili applicazioni biotecnologiche dei metaboliti secondari delle microalghe come nuovi prodotti farmaceutici sono stati pubblicati in varie pubblicazioni scientifiche e finanziati in vari progetti Europee e Nazionali che hanno portato alla creazione di uno spin off aziendale (Biosearch s.r.l.) per la ricerca di farmaci innovativi come antitumorali, anti-infiammatori e anti-infettivi. <https://www.biosearchsrl.com/>.

Pubblicazioni negli ultimi 3 anni (l'elenco complete é disponibile sul sito <http://www.szn.it/index.php/it/personale/staff/101-ianora-adrianna/763-ianora-adrianna>)

2019

- Albarano L, Ruocco N, Ianora A, Libralato G, Manfra L, Costantini M. 2019. Molecular and morphological toxicity of diatom-derived hydroxyacid mixtures to sea urchin *Paracentrotus lividus* embryos. *Marine Drugs* 17, 144; doi:10.3390/md17030144
- Di Dato V, Di Costanzo F, Barbarinaldi R, Perna A, Ianora A, Romano G. 2019.
- Unveiling the presence of biosynthetic pathways for bioactive compounds in the *Thalassiosira rotula* transcriptome. *Scientific Reports* 9:9893 | <https://doi.org/10.1038/s41598-019-46276-8>



- Di Costanzo F, Di Dato V, Ianora A, Romano G. 2019. Prostaglandins in Marine Organisms: A Review. *Marine Drugs* 17, 428; doi:10.3390/md17070428
- Galasso C, D'Aniello S, Sansone C, Ianora A, Romano G. 2019. Identification of cell death genes in sea urchin *Paracentrotus lividus* and their expression patterns during embryonic development *Genome Biology and Evolution* 11, 586; doi: 10.1093/gbe/evz020.
- Galasso C, Gentile A, Orefice I, Ianora A, Bruno A, Noonan DN, Sansone C, Ianora A, Albin A, Brunet C. Microalgal Derivatives as Potential Nutraceutical and Food Supplements for Human Health: A Focus on Cancer Prevention and Interception. *Nutrients* 11, 1226; doi:10.3390/nu11061226
- Lauritano C, De Luca D, Amoroso M, Benfatto S, Maestri S, Racioppi C, Ianora A. New molecular insights on the response of the green alga *Tetraselmis suecica* to nitrogen starvation *Scientific Reports* 9:3336 | <https://doi.org/10.1038/s41598-019-39860-5>
- Martínez KA, Lauritano C, Druka D, Romano G, Grohmann T, Jaspars M, Martín J, Díaz C, Cautain B, de la Cruz M, Ianora A, Reyes F. 2019. Amphidinol 22, a new cytotoxic and antifungal amphidinol from the dinoflagellate *Amphidinium carterae*. *Marine Drugs* 17, 385; doi:10.3390/md17070385
- Russo E, Ianora A, Carotenuto Y. Re-shaping marine plankton communities: effects of diatom oxylipins on copepods and beyond. 2019. *Marine Biology* 166:9 <https://doi.org/10.1007/s00227-018-3456-2>
- Nuzzo G, Gomes B, Gallo C, Amodeo P, Sansone C, Pessoa O, Manzo E, Vitale R, Ianora A, Santos E, Costa-Lotufu L, Fontana A. 2019. Potent Cytotoxic Analogs of Amphidinolides from the Atlantic *Octocoral Stragulum bicolor*. *Marine Drugs* 17, 58; doi:10.3390/md17010058
- Ruocco N, Annunziata C, Ianora A, Libralato G, Manfra L, Costantini S., Costantini M. 2019. Toxicity of diatom-derived polyunsaturated aldehyde mixtures on sea urchin *Paracentrotus lividus* development *Scientific Reports* 9:517 | DOI:10.1038/s41598-018-37546-y 4
- Vingiani GM, De Luca P, Ianora A, Dobson ADW, Lauritano C. 2019. Microalgal Enzymes with Biotechnological Applications. *Marine Drugs* 17, 459; doi:10.3390/md17080459

2018

- Brillatz T, Lauritano C, Jacmin M, Khamma S, Marcourt L, Righi D, Romano G, Esposito F, Ianora A, Queiroz EF, Wolfender J-L, Crawford AD. Zebrafish-based identification of the antiseizure nucleoside inosine from the marine diatom *Skeletonema marinoi* *PLOS ONE* 13(4):e0196195. doi: 10.1371/journal.pone.0196195
- Galasso C, Orefice I, Miele R, Cirino P, Ianora A, Brunet C and Clementina Sansone. 2018. On the neuroprotective role of astaxanthin: new perspectives? *Marine Drugs* 16, 247; doi:10.3390/md16080247
- Galasso C, Nuzzo G, Brunet C, Ianora A, Sardo A, Fontana A, Sansone C. 2018. The marine dinoflagellate *Alexandrium minutum* activates a mitophagic pathway in human cancer cells *Marine Drugs* 2018, 16, 502; doi:10.3390/md16120502
- Lauritano C, Martin J, de la Cruz M, Reyes F, Romano G, Ianora A. 2018. First identification of marine diatoms with anti-tuberculosis activity



Scientific Reports 8:2284 | DOI:10.1038/s41598-018-20611-x

- Martínez KA, Lauritano C, Romano G, Ianora A. 2018. Marine microalgae with anticancer properties Marine Drugs 16: 165; doi:10.3390/md16050165
- Ruocco N, Costantini S, Zupo V, Lauritano C, Caramiello D, Romano G, D'Ippolito G, Budillon A, Ianora A, Fontana A, Costantini M. Toxicogenic effects of two benthic diatoms, *Nanofrustulum shiloi* and *Cylindrotheca closterium* upon grazing activity of the sea urchin *Paracentrotus lividus*: morphological, metabolomic and de novo transcriptomic analysis Scientific Reports 4;8(1):5622. doi: 10.1038/s41598-018-24023-9.
- Sannino F, Sansone C, Galasso C, Kildgaard S, Tedesco P, Fani R, Marino G, de Pascale D, Ianora A, Parrilli E, Ostefeld Larsen T, Romano G, Tuttino ML. 2018. *Pseudoalteromonas haloplanktis* TAC125 produces 4-hydroxybenzoic acid that induces pyroptosis in human A459 lung adenocarcinoma cells. Scientific Reports 8 :1190 | DOI:10.1038/s41598-018-19536-2
- Sansone C, Galasso C, Ummarino R, Nuzzo G, Casotti R, Fontana A, Romano G, Ianora A. 2018. The dinoflagellate *Alexandrium andersoni* induces caspase-independent cell death in lung and colon-rectal tumor cell lines. Marine Biotechnology 20: 343 <https://doi.org/10.1007/s10126-018-9817-5>

2017

- Costantini S, Guerriero E, Teta R, Capone F, Caso A, Sorice A, Romano G, Ianora A, Ruocco N, Budillon A, Costantino V, Costantini M. 2017. Evaluating the Effects of an Organic Extract from the Mediterranean Sponge *Geodia cydonium* on Human Breast Cancer Cell Lines. Int. J. Mol. Sci. 18(10), 2112; <https://doi.org/10.3390/ijms18102112>
- Di Dato V, Orefice I, Fontanarosa C, Moresano A, Ianora A, Romano G. 2017. Animal-like prostaglandins in marine microalgae ISME Journal 11: 1722–1726 doi:10.1038/ismej.2017.27
- Lauritano C, De Luca D, Ferrarini A, Avanzato C, Minio A, Esposito F, Ianora A. 2017. De novo transcriptome of the cosmopolitan dinoflagellate *Amphidinium carterae* to identify enzymes with biotechnological potential. Scientific Reports | 7: 11701 | DOI:10.1038/s41598-017-12092-1 1
- Manzo E, Cutignano A, Pagano D, Gallo C, Barra G, Nuzzo G, Sansone C, Ianora A, Urbanek K, Fenoglio D, Ferrera F, Bernardi C, Parodi A, Pasquale G, Leonardi A, Filaci G, De Palma R, Fontana A. 2017. A new marine-derived sulfoglycolipid triggers dendritic cell activation and immune adjuvant response Scientific Reports 7 : 6286 | DOI:10.1038/s41598-017-05969-81
- Ruocco N, Costantini S, Zupo V, Romano G, Ianora A, Fontana A, Costantini M. 2017. High-quality RNA extraction from the sea urchin *Paracentrotus lividus* embryos for Next Generation Sequencing technologies PloS One 12 (2): e0172171
- Ruocco N, Fedele AM, Costantini S, Romano G, Ianora A, Costantini M. 2017. New inter-correlated genes targeted by diatom-derived polyunsaturated aldehydes in the sea urchin *Paracentrotus lividus*. Ecotoxicology and Environmental Safety 142: 355-362
- Sansone C, Galasso C, Orefice I, Nuzzo G, Luongo E, Cutignano A, Romano G, Brunet C, Fontana A, Esposito F, Ianora A. 2017. The green



microalga *Tetraselmis suecica* reduces oxidative stress and induces repairing mechanisms in human cells Scientific Reports 7 :41215 | DOI:10.1038/srep412152016

Appointments and Awards:

- Editorial Board Member of the journal PSZN: Marine Ecology 1991-2005
- Editorial Board Member of the Journal of Plankton Research 1996-2010
- Editorial Board Member of the Open Oceanography Journal 2007-2010
- Editorial Board Member of the journal Scientia Marina 2001-present
- Review Editor of the journal Marine Ecology Progress Series 2004-present
- Review Editor Frontiers Marine Biotechnology 2014- present
- Academic Editor for the journal PLoS ONE 2013-present
- Vice-President of WAC (World Association of Copepodologists) from 1996-1999
- Jury Member of the Ramon Margalef Prize in Ecology 2007-2009 https://en.wikipedia.org/wiki/Ramon_Margalef_Prize_in_Ecology
- Principal Investigator of the EU Network of Excellence EUROCEAN and member of the training committee 2004-2008 <https://cordis.europa.eu/project/rcn/75677/reporting/it>
- Vice Chair for Southern Europe of the Scientific Steering Committee of the EU Network of Excellence MARBEF. Coordinator of the Research Project ROSEMEB (Role of Secondary Metabolites in Ecosystem Biodiversity) 2003-2009 <http://www.marbef.org>
- Vice Chair for Southern Europe of MARBEF+ (2010-2013)
- Member of the ESF-Marine Board Working Group Marine Biotechnology <http://www.marinebiotech.eu/sites/marinebiotech.eu/files/public/library/MBT%20publications/2010%20ESF%20Position%20Paper.pdf>
- Coordination Team of the EU (CSA) Coordination and Support Action for the creation of the Network EUROMARINE (2012-2013)
- Member of the Executive Board of MARS Network of Marine Research Stations 2005-2019 <http://www.marsnetwork.org/executive-board>
- ERA-NET Marine Biotechnology International Advisory Group member 2014-2017 <http://www.marinebiotech.eu/>
- Member of the Steering Committee EUROMARINE: 2014- present <http://www.euromarineconsortium.eu/>
- Member of the technical-scientific committee of the National Technological Cluster Blue Italian Growth (BIG), within the blue biotechnology trajectory 2018-present <http://www.clusterbig.it/>
- Evaluator nominated by the European Commission for various FP7 and H2020 proposals
- Evaluator European Research Council ERC LS8 panel (Evolutionary, population and environmental biology: evolution, ecology, animal behaviour, population biology, biodiversity, biogeography, marine biology, eco-toxicology, prokaryotic biology) Consolidator grants 2013, 2015, 2017, 2019
- Evaluator Marie Skłodowska-Curie Individual Grants 2016, 2018, 2019
- Evaluator Vienna Science and Technology Funds 2017
- Evaluator EPA Ireland Environmental Protection Agency 2017, 2018
- Evaluator FCT Portuguese Science and Technology Foundation 2018
- Evaluator ICREA Catalan Research and Advanced Studies Foundation



2018, 2019

Progetti di Ricerca Recenti o in Corso:

- PON01_00117 Antigeni e Adjuvanti per Vaccini e Immunoterapia. Capofila. Novartis Vaccines & Diagnostics srl. (2011-2016). PI principale alla SZN. Fondi Totali: 944,350.00 http://www.ponrec.it/open-data/risultati/ricerca-industriale/pon01_00117
- PON01_02093 Studio di nuove tecnologie e piattaforme tecnologiche per il miglioramento di processi produttivi di principi attivi farmaceutici di interesse industriale e ricerca di nuove molecole bioattive da sorgenti naturali. Capofila Sanofi-Aventis S.p.A (2011-2016). PI principale alla SZN. Fondi Totali: 786,250.00 http://www.ponrec.it/open-data/risultati/ricercaindustriale/pon01_02093/
- PON 1- 02782 Nuove strategie nanotecnologiche per la messa a punto di farmaci e presidi diagnostici diretti verso cellule cancerose circolanti (CTC). Capofila BIOGEM (2011-2016). PI principale alla SZN: Fondi Totali: 595,000.00 http://www.ponrec.it/open-data/risultati/ricerca-industriale/PON01_02782
- PHARMASEA EU FP7 project KBBE.2012.3.2-01: Innovative marinebiodiscovery pipelines for novel industrial products Coordinated by the University of Aberdeen, UK and University of Louven, Belgium (2012-2017). PI principale alla SZN. Fondi Totali: 413,022.20 <http://www.pharma-sea.eu/>
- PharmaDEEP: New pharmaceuticals from the deep Antarctic. EU Eurofleet2 project 2015. Fondi per inviare 2 postdocs in Antartide. <https://www.eurofleets.eu/access/previous-calls/eurofleets2-regional-2-call-results/eurofleets2-funded-project-pharmadeep-results/>
- EMBRIC European Marine Biological Research Infrastructure Cluster to promote the Blue Bioeconomy Coordinated by EMBRC (2015-2019). Ho partecipato al WP7 coordinato da Mariella Ferrante SZN. Fondi per il mio gruppo: 100,000 <http://www.embrc.eu/node/612>
- OCEAN MEDICINES Marie Skłodowska-Curie Actions Research and Innovation Staff Exchange (RISE) (2016-2019). Coordinatore del Progetto: Donatella de Pascale SZN. Io sono WP Leader. Fondi al mio gruppo: 49,500.00 http://cordis.europa.eu/project/rcn/198834_en.html
- MarPipe Marie Skłodowska-Curie Actions Research and Innovation Training Network. Progetto coordinato da Donatella de Pascale SZN. Io sono WP Leader. Fondi al mio gruppo: 258,061.32 http://cordis.europa.eu/project/rcn/205431_en.html
- Marine Biotechnology for New Cosmeceuticals and Nutraceuticals (MarCAN) SZN Flagship Project 2016-2018. PI principale alla SZN. Fondi Totali: 100,000
- Programma Nazionale di Ricerca in Antartide PNRA (2017-2019) Cosmeceutici e Nutraceutici da Risorse Biologiche antartiche/Cosmeceuticals And Nutraceuticals From Antarctic Biological Resources (CANFARE). PI principale alla SZN. Fondi Totali: 26,400.00
- Fondazione "Cariverona" (2018-2021) Blue Biotechnologies for restoring marine ecosystems of the contaminated Site of National Interest (SIN) ex Montedison (Falconara M.ma) (BLUBIOTECH). PI principale alla SZN. Fondi Totali: 60,000.00



- POR CAMPANIA FESR 2014/2020 (2019-2021) Antitumor Drugs and Vaccines from the Sea (ADVISE) PG/2018/0494374. PI principale alla SZN. Total funds: 2,630,588.00

Plenary Lectures:

- Marine biotechnology and biodiversity: use of marine organisms as sources of pharmaceuticals and other biologically active compounds. Plenary: EurOCEAN Conference, Galway, Ireland, 2004
- Ecological role and biotechnological applications of marine secondary metabolites. Plenary: Italian Society of Cytometry GIC Spoleto, Italy, 2005
- The value of biodiversity observatories and monitoring for science and society. Plenary: MarBEF General Assembly Sopot & Gdynia, Poland, 2006
- Lipoxygenase activity in diatoms. Plenary: V European Conference on Marine Natural Products. Naples (Ischia), Italy, 2007
- Role of Secondary Metabolites in Marine Biodiversity and Ecosystem Functioning. Plenary: Plenary: World Conference on Biodiversity. Valencia, Spain, 2008.
- Chemical Ecology of Secondary Metabolites and their Role in Driving Ecosystem Functionality in the Plankton. Plenary: 6th European Conference on Marine Natural Products Porto, Portugal, 2009.
- Towards a European Strategy for Marine Biotechnology Research. Plenary: EurOCEAN 2010 European Parliament Brussels, Belgium 11 October 2010.
- Blue Biotechnology for Europe: Challenges and Opportunities for Industry and Society. Plenary: EurOCEAN Conference, Ostende, Belgium 12-13 October 2010. <http://eurocean2010.eu/gallery?album=1944>
- Blue Biotechnology – New Opportunities for Europe. Plenary: Resources from the Sea: Promoting the Competitiveness of Europe's RTD-Based Maritime Economy through EIT. European Parliament Brussels, Belgium 11 February, 2011
- Marine Biotechnology: New Opportunities for Europe through the MB ERA-net and EMBRC. Plenary: EU Coordination Support Action (CSA) Preparatory Action for the Creation of an ERA-Net for Marine Biotechnology. Hamburg 8-9 Hamburg 2012 <http://www.marinebiotech.eu/csa-marinebiotech-workshops>
- Ocean Medicines. Plenary: The Stakeholders Conference - Bioeconomy Days: Bioeconomy in the EU: achievements and directions for the future. Dublin, Ireland 14-15 February 2013 [http://eubioeconomy.teamwork.fr/docs/stakeholder/pre/IANORA Adrianna.pdf](http://eubioeconomy.teamwork.fr/docs/stakeholder/pre/IANORA_Adrianna.pdf)
- Marine Biodiversity and Ecosystem Functioning: New Challenges and Applications. Plenary: EUROMARINE General Assembly Brussels 10-11 December 2012. <http://www.euromarineconsortium.eu/downloads/category/26-third-general-assembly>
- Blue growth and Horizon 2020 projects. Plenary: EMBRIC General Assembly. Faro 12-13 Sept 2017 http://www.embric.eu/sites/default/files/Faro%20final%20agenda_rooms_map.pdf





- Chemical Ecology of Plankton: An Emerging field. Plenary: International Summer School on Natural Products (ISSNP) Naples 3-7 July 2017 <http://www.issnp.org/downloads/321-ingleseabstract-book.pdf>
- Marine Infrastructures in Europe: new opportunities for research and technology development in marine biotechnology. Plenary: ERA-Net Marine Biotechnology Final Conference – Oceans of Opportunities. Oslo 20-22 November 2017. <http://www.marinebiotech.eu/file/3-04-adrianna-ianorapdf>

Invited Lectures:

- Do Diatom Diets Act as Birth Control Pills for Marine Copepods? Invited Lecture: Phycological Society of America, Colorado, USA, 2001
- Antiproliferative effects of diatoms on copepod reproduction. Invited Lecture: XI International Symposium on Marine Natural Products, Sorrento, Italy, 2004
- Deciphering the Paradox of Diatom-Copepod Interactions. Invited Lecture: ASLO Aquatic Sciences Meeting, Santiago di Campostella, Spain, 2005.
- Copepods as Bioindicators of Secondary Metabolites in Microalgae. Invited Lecture: IX International Conference on Copepoda, Hammamet, Tunisia, 2005.
- Role of Marine Natural Products in Maintaining Biodiversity and Ecosystem Functioning. Invited Lecture: DIVERSITAS Open Science Conference, Oacaca, Mexico, 2005
- Phytoplankton-copepod Interaction in the Ocean. Invited Lecture: DOBIS International Symposium Dynamics of the Ocean Biosystem. Tokyo, Japan, 2006
- Use of fluorescent probes in studies on copepod reproduction and development. Invited Lecture: 4th International Zooplankton Production Symposium, Hiroshima, Japan, 2007.
- Toxigenic effects of diatoms on grazer survival. Invited Lecture: The 3rd Bilateral Seminar Italy-Japan. Physical and Chemical Impacts on Marine Organisms – Seeking sustainability and postgenomics. Nagoya, Japan, 2008
- Chemical ecology of the plankton: Present status and future challenges. Invited Lecture: ASLO Aquatic Sciences Meeting, Nice, France, 2009
- Chemical ecology of diatom secondary metabolites and their role in shaping planktonic interactions. Presentation at the Taiwan & Italy Conference on Marine Biology within the framework of the SZN-National Research Council of Taiwan Agreement. National Taiwan Ocean, University, Keelung, Taiwan, 2009.
- Towards a European Strategy for Marine Biotechnology Research. Invited Lecture: Marine Board ESF/COST Meeting, Istanbul, Turkey, 2010
- Biotechnology - New Opportunities for the Mediterranean. Invited Lecture: Seas ERA-Net meeting in Athens, Greece, 2011
- The Potential of Microorganisms for Drug Discovery: Challenges and Opportunities for Industry and Society. The 3rd "Rendez-vous de Concarneau": "Where Industry meets Science in Marine Biotechnology" 30-31 August 2011, Concarneau, France, 2011
- Marine Biotechnology: New Opportunities for Europe through the MB – ERA Net and EMBRC. Invited Lecture: EU Coordination and Support





Action (CSA) for marine biotechnology. Workshop II 'Mobilisation and Engagement of Funding Agencies and Stakeholders' Hamburg, Germany 8-9 October 2012

http://www.marinebiotech.eu/images/library/workshop/workshop2/Adrianna%20lanora_EMBRC.pdf

- The Potential of Microalgae for Drug Discovery: Challenges and Opportunities for Industry and Society. EFIB Italian Forum Industrial Biotechnology Conference. Naples 22-23 October 2013
- Ocean Medicines: Challenges and Opportunities for Human Health. Invited Lecture: University of Exeter Medical School 20-21 March 2014 <http://www.ecehh.org/events/oceans-human-health/>
- First EU Conference: The Ocean of Tomorrow projects: What results so far? Invited Lecture: EU Commission Brussels 27 March 2014 http://ec.europa.eu/research/bioeconomy/pdf/oot-conference-programme-26032014_en.pdf
- Chemical ecology as an important aspect of biodiversity and ecosystem functioning in marine planktonic environments. Invited Lecture: International Conference Ecological Sciences. Marseille 24-28 October 21016. <https://sfecologie2016.sciencesconf.org/109006>
- The link between chemical ecology and drug discovery. Invited Lecture: Workshop on Sustainability in Marine Biodiscovery. June 7-9, 2017 Galway Ireland. <http://susmarb.weebly.com/>
- Biotecnologie marine: esplorare gli oceani alla ricerca di nuovi prodotti farmaceutici e salutistici. Università di Potenza, 20 Marzo 2019
- Ecological role and impact of marine natural products. 1st International Summer School on Marine Ecotoxicology. 1-5 July, 2019 Naples, Italy
- Biotecnologie marine: sfide e opportunità. 3 SCUOLA ESTIVA DI ECCELLENZA : Antartide: un laboratorio sperimentale di biodiversità e biotecnologie avanzate Messina, Villa Pace 22-27 Luglio 2019

Organization of Courses and Conferences:

- MarBEF ROSEMEB kick-off meeting 3-4 November 2005, Ischia, Italy. <http://www.marbef.org/projects/rosemeb/results.php>
- MarBEF Training course on Bioassay Methods in Marine Chemical Ecology 9-14 September 2006, Strömstad, Sweden. <http://www.marbef.org/projects/rosemeb/tjarno.php> 5th European
- Conference on Marine Natural Products 16-21 September 2007, Ischia, Italy.
- Integrated Workshop Marine Genomics Europe and MarBEF Plankton Course : Integrating ecological and genomic aspects by teaching and training around a plankton bloom. June 2007, Barcelona, Spain. <https://digital.csic.es/handle/10261/176093>
- MarBEF Workshop on Chemical Ecology of Plankton, 2-4 July 2008, Juodkrante, Lithuania. <http://www.marbef.org/projects/rosemeb/results.php>
- ESF-COST High-Level Research Conference: Marine Biotechnology: Future Challenges 20-25 June 2010 Acquafredda di Maratea, Italy <http://www.esf.org/index.php?id=6279>
- General Assembly EU PharmaSea Project 7-9 Sept 2014 Naples, Italy <http://www.marinebiotech.eu/news-and-events/upcoming-events/pharmasea-open-scientific-meeting>



PhD Students Supervised:

- 1) Ylenia Carotenuto (Univ. Messina) 2001*
- 2) Giuliana d'Ippolito (Open University, UK) 2003**
- 3) Cinzia Brugnano (Univ. Messina) 2005
- 4) Chiara Lauritano (Univ. Calabria) 2011*
- 5) Anna Lettieri (Open University, UK) 2014
- 6) Filippo Dell'Anno (Open University, UK) 2016-2019
- 7) Kevin Andrés Martínez Andrade (Marie Curie, Open University, UK) 2017-2020

Internal PhD Supervisor:

- 1) Francois Ribalet (Open University) 2007***
- 2) Andrea Gerecht (Open University) 2009****
- 3) Stefano Varrella (Open University) 2014
- 4) Ennio Russo (Open University) 2016-2019
- 5) Giorgio Vingiani (Open University) 2017-2020

PostDocs:

- 1) Mohamed Laabir (1996-1999) *****
- 2) Isabella Buttino (1996-1999) *
- 3) Ylenia Carotenuto (2002-2004) *
- 4) Clementina Sansone (2011-2018) *
- 5) Chiara Lauritano (2013-2018) *
- 6) Valeria Di Dato (2014-2018)
- 7) Christian Galasso 2016-2018
- 8) Anna Lettieri 2015
- 9) Claudia Racioppi 2014*
- 10) Raffaella Ummarino 2014
- 11) Laura Escalera 2014

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*****Poi diventato Prof. Università di Montpellier, Francia

A conoscenza di quanto prescritto agli art 46 e seguenti del D.P.R. 28 dicembre 2000 n. 445, sulla responsabilità penale cui può andare incontro in caso di falsità in atti e di dichiarazioni mendaci, nonché di quanto prescritto dall'art. 75 del D.P.R. 28 dicembre 2000 n. 445, sulla decadenza dai benefici eventualmente conseguenti al provvedimento emanato sulla base di dichiarazioni non veritiere, ai sensi e per gli effetti del citato D.P.R. n. 445/2000 art 46, e sotto la propria personale responsabilità dichiaro che tutte le informazioni contenute nel mio curriculum vitae sono veritiere. Presto consenso all'utilizzo dei miei dati personali ai sensi del Decreto legislativo 30 giugno 2003, n. 196, e s.m.i.

Data: 11 settembre 2019

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