Laurea Triennale in "SCIENZE BIOLOGICHE"		
REFERENTE		**TITOLO ARTICOLO**
Prof. S. Accoroni	**1**	**Alacid E., Reñé A., Garcés E., 2015. New Insights into the Parasitoid Parvilucifera sinerae Life Cycle: The Development and Kinetics of Infection of a Bloom-forming Dinoflagellate Host. Protist, 166(6), 677-699.**
	2	**Berdalet E., Fleming L., Gowen R., Davidson K., Hess P., Backer L.C.., Moore S.K, Hoagland P., Enevoldsen H., 2016. Marine harmful algal blooms, human health and wellbeing: Challenges and opportunities in the 21st century. Journal of the Marine Biological Association of the United Kingdom, 96(1), 61-91.**
	3	**Berdalet E., Tester P.A., Chinain M., Fraga S., Lemée R., Litaker W., Penna A., Usup G., Vila M., Zingone A., 2017. Harmful algal blooms in benthic systems: Recent progress and future research. Oceanography 30(1), 36–45.**
	4	**Bravo I., Figueroa R.I., 2014. Towards an Ecological Understanding of Dinoflagellate Cyst Functions. Microorganisms, 2, 11-32.**
	5	**Glibert P.M., 2017. Eutrophication, harmful algae and biodiversity — Challenging paradigms in a world of complex nutrient changes. Marine Pollution Bulletin, 124(2), 2017.**
	6	**Lauritano C., Andersen J.H., Hansen E., Albrigtsen M., Escalera L., Esposito F., Helland K., Hanssen K.Ø., Romano G., Ianora A., 2016. Bioactivity Screening of Microalgae for Antioxidant, Anti-Inflammatory, Anticancer, Anti-Diabetes, and Antibacterial Activities. Frontiers in Marine Science, 3, 68.**
	7	**Lawton R.J., Cole A.J., Roberts D.A., Paul N.A., de Nys R., 2017. The industrial ecology of freshwater macroalgae for biomass applications. Algal Research, 24, 486-491.**
	8	**Pistocchi R., Guerrini F., Pezzolesi L., Riccardi M., Vanucci S., Ciminiello P., Dell'Aversano C., Forino M., Fattorusso E., Tartaglione L., Milandri A., Pompei M., Cangini M., Pigozzi S., Riccardi E., 2012. Toxin Levels and Profiles in Microalgae from the North-Western Adriatic Sea-15 Years of Studies on Cultured Species. Marine Drugs 10, 140–162.**
	9	**Rastogi R.P., Madamwar D., Incharoensakdi A., 2015. Bloom Dynamics of Cyanobacteria and Their Toxins: Environmental Health Impacts and Mitigation Strategies. Frontiers in Microbiology, 6, 1254.**
	10	**Wang H.M.D., Li X.C., Lee D.J., Chang J.S., 2017. Potential biomedical applications of marine algae. Bioresource Technology, 244(2), 1407-1415.**
Prof. T. Bacchetti	**1**	HDL-S1P: cardiovascular functions, disease-associated alterations,and therapeutic applications Frontiers in Pharmacology , 2015 6 (243)
	2	Effect of fruit and vegetable antioxidants on total antioxidant capacity of blood plasma Nutrition 30 (2014) 511–517
	3	Dietary fibers and associated phytochemicals in cereals Mol. Nutr. Food Res. 61, 7, 2017, 1600518
	4	The Role of Omega-3 Fatty Acids in Reverse Cholesterol Transport: A Review Nutrients 2017, 9, 1099; doi:10.3390/nu9101099
	5	Benefits of Nut Consumption on Insulin Resistance and Cardiovascular Risk Factors: Multiple Potential Mechanisms of Actions Nutrients 2017, 9, 1271; doi:10.3390/nu9111271
	6	Adipokines: A link between obesity and cardiovascular disease J Cardiol. 2014 April ; 63(4): 250–259.
	7	Oleuropein and Cancer Chemoprevention: The Link is Hot Molecules 2017, 22, 705; doi:10.3390/molecules22050705
	8	Terpenes from Forests and Human Health Toxicol Res. 2017 Apr; 33(2): 97–106.
	9	Apolipoprotein M: bridging HDL and endothelial function Curr Opin Lipidol 2013, 24:295–300
	10	Association between Both Total Baseline Urinary and Dietary Polyphenols and Substantial Physical Performance Decline Risk in Older Adults: A 9-year Follow-up of the InCHIANTI Study J Nutr Health Aging. 2016;20(5):478-85. doi: 10.1007/s12603-015-0600-2.
	1	Soares P, Achilli A, Semino O, Davies W, Macaulay V, Bandelt HJ, Torroni A, Richards MB. 2010. **The archaeogenetics of Europe**. Curr Biol. 20:R174-83. doi: 10.1016/j.cub.2009.11.054.

Prof. M. Barucca	**2**	Makunin AI, Dementyeva PV, Graphodatsky AS, Volobouev VT, Kukekova AV, Trifonov VA. 2014. **Genes on B chromosomes of vertebrates**. Mol Cytogenet. 7:99. doi: 10.1186/s13039-014-0099-y.
	3	Biscotti MA, Canapa A, Forconi M, Barucca M. 2014. **Hox and ParaHox genes: A review on molluscs**. Genesis. 52:935-45. doi: 10.1002/dvg.22839.
	4	Fortunato SA, Adamski M, Ramos OM, Leininger S, Liu J, Ferrier DE, Adamska M. 2014. **Calcisponges have a ParaHox gene and dynamic expression of dispersed NK homeobox genes.** Nature. 514:620-3. doi: 10.1038/nature13881.
	5	Kuznetsova IS, Thevasagayam NM, Sridatta PS, Komissarov AS, Saju JM, Ngoh SY, Jiang J, Shen X, Orbán L. 2014. **Primary analysis of repeat elements of the Asian seabass (Lates calcarifer) transcriptome and genome**. Front Genet. 5:223. doi: 10.3389/fgene.2014.00223.
	6	Glasauer SM, Neuhauss SC. 2014. **Whole-genome duplication in teleost fishes and its evolutionary consequences**. Mol Genet Genomics. 289:1045-60. doi: 10.1007/s00438-014-0889-2.
	7	Valenzuela GE, Perez A, Navarro M, Romero A, Figueroa J, Kausel G. 2014. **Differential response of two somatolactin genes to zinc or estrogen in pituitary of Cyprinus carpio.** Gen Comp Endocrinol. pii: S0016-6480(14)00372-4. doi: 10.1016/j.ygcen.2014.09.015.
	8	González VL, Andrade SC, Bieler R, Collins TM, Dunn CW, Mikkelsen PM, Taylor JD, Giribet G. 2015. **A phylogenetic backbone for Bivalvia: an RNA-seq approach**. Proc Biol Sci. 22;282(1801). pii: 20142332. doi: 10.1098/rspb.2014.2332.

Prof. V. Caputo Barucchi	**1**	Deméré T. A. et al., 2008. **Morphological and Molecular Evidence for a Stepwise Evolutionary Transition from Teeth to Baleen in Mysticete Whales**. Syst. Biol. 57(1):15–37, doi: 10.1080/10635150701884632.
	2	Gentile G., Snell H., 2009. ***Conolophus marthae*** **sp. nov. (Squamata, Iguanidae), a new species of land iguana from the Galápagos archipelago**. Zootaxa 2201: 1–10.
	3	Gillis J. A., Donoghue P. C.J., 2009. **The Homology and Phylogeny of Chondrichthyan Tooth Enameloid. J**OURNAL OF MORPHOLOGY 268:33–49, doi: 10.1002/jmor.10501.
	4	McKinnon J. S., Rundle H.D., 2002. **Speciation in nature: the threespine stickleback model systems.** TRENDS in Ecology & Evolution Vol.17 (10): 480-488.
	5	O'Keefe F. R., Chiappe L. M., 2011. **Viviparity and K-Selected Life History in a Mesozoic Marine Plesiosaur (Reptilia, Sauropterygia).** Science 333: 870-873, doi: 10.1126/science.1205689.
	6	Ota K. G. et al., 2011. **Identification of vertebra-like elements and their possible differentiation from sclerotomes in the hagfish**. Nature Communications | 2:373 | doi: 10.1038/ncomms1355.
	7	Prum R.O, Brush. A.H., 2002. **The evolutionary origin and diversification of feathers.** The Quarterly Review of Biology, 77 (3): 261-295.
	8	Rooker J.R et al., 2007. **Life History and Stock Structure of Atlantic Bluefin Tuna (*Thunnus thynnus*)**. Reviews in Fisheries Science, 15: 265–310.
	9	Thewissen J. G. M. et al., 2009. **From Land to Water: the Origin of Whales, Dolphins, and Porpoises.** Evo Edu Outreach, 2:272–288, doi 10.1007/s12052-009-0135-2.
	10	Westneat M. W. et al., 2005. **Local phylogenetic divergence and global evolutionary convergence of skull function in reef fishes of the family Labridae.** Proc. R. Soc. B 2005 272: 993–1000, doi: 10.1098/rspb.2004.3013.
Prof. S. Bianchelli	**1**	Cusson M., Crowe T.P., Araújo R., Arenas F., Aspden R., Bulleri F., Davoult D., Dyson K., Fraschetti S., Herkül K., Hubas C., Jenkins S., Kotta J., Kraufvelin P., Migné A., Molis M., Mulholland O., Noël L.M.L.J, Paterson D.M., Saunders J., Somerfield P.J., Sousa-Pinto S., Spilmont N., Terlizzi A., Benedetti-Cecchi L.: ***"Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis".*** Journal of Sea Research*, in press.*
	2	Ford A.T., Goheen J.R:, Otieno T.O., Bidner L., Isbell L.A., Palmer T.M., Ward D., Woodroffe R., Pringle R.M. (2014): ***"Large carnivores make savanna tree communities less thorny"*** . Science 346: 346-349.
	3	Fraschetti S., Terlizzi A., Boero F. (2008) ***"How many habitats are there in the sea (and where)?"*** Journal of Experimental Marine Biology and Ecology 366: 109–115.
	4	Ghedini G., Russell B.D., Connell S.D. (2015) ***"Trophic compensation reinforces resistance: herbivory absorbs the increasing effects of multiple disturbances"*** Ecology Letters, *in press* .
	5	Ilhéu M., Matono P., Bernardo J.M. (2014) ***"Invasibility of Mediterranean-Climate Rivers by Non-Native Fish: The Importance of Environmental Drivers and Human Pressures"*** . PLoS ONE 9(11): e109694.
	6	Isbell F., Tilman D., Polasky S., Loreau M. (2015) ***"The biodiversity-dependent ecosystem service debt"*** Ecology Letters 18: 119–134.
	7	Keppel G., Van Niel K.P., Wardell-Johnson G.W., Yates C.J., Byrne M., Mucina L., Schut A.G.T., Hopper S.D., Franklin S.E. (2012) ***"Refugia: identifying and understanding safe havens for biodiversity under climate change"*** Global Ecology and Biogeography 21: 393–404.
	8	Kress W.J., Garcia-Robledo C., Uriarte M., Erickson D.L. (2015) ***"DNA barcodes for ecology, evolution, and conservation"*** Trends in Ecology & Evolution 30: 25–35.
	9	Warren B.H., Simberloff D., Ricklefs R.E., AguilR., Condamine F.L., Gravel D., Morlon H., Mouquet N., Rosindell J., Casquet J., Conti E., Cornuault J., Fernandez-Palacios J.M., Hengl T., Norder S.J., Rijsdijk K.F., Sanmartın S., Strasberg D., Triantis K.A., Valente L.M., Whittaker R.J., Gillespie R.G., Emerson B.C., Thebaud C. (2015) ***"Islands as model systems in ecology and evolution: prospects fifty years after MacArthur-Wilson"*** Ecology Letters
	10	Webber B.L., Scott J.K. (2012) ***"Rapid global change: implications for defining natives and aliens"*** Global Ecology and Biogeography 21: 305–311.

Prof. F.Biavasco		
Prof. M.A. Biscotti	**1**	Annunziata R., Martinez P., Arnone M.I. 2013. **Intact cluster and chordate-like expression of ParaHox genes in a sea** star.BMC Biol. 11: 68. doi: 10.1186/1741-7007-11-68.
	2	Ikuta T. , Chen Y., Annunziata R., Ting H., Tung C., Koyanagi R., Tagawa K., Humphreys T., Fujiyama a., Saiga H., Satoh N., Yu J., Arnone M.I., Su Y. 2013. **Identification of an intact ParaHox cluster with temporal colinearity but altered spatial colinearity in the hemichordate *Ptychodera flava*** . BMC Evol Biol. 13: 129. doi: 10.1186/1471-2148-13-129.
	3	Feliciello I., Akrap I., Brajković J., Zlatar I., Ugarković Đ. 2015. **Satellite DNA as a Driver of Population Divergence in the Red Flour Beetle *Tribolium castaneum* .** Genome Biol Evol. 7(1):228-39. doi: 10.1093/gbe/evu280.
	4	Satovic E., Plohl M. 2013. **Tandem repeat-containing MITEs in the clam *Donax trunculus* .** Genome Biol Evol. 5(12):2549-59. doi: 10.1093/gbe/evt202.
	5	Vittorazzi S., Lourenço L., Recco-Pimentel S. 2014. **Long-time evolution and highly dynamic satellite DNA in leptodactylid and hylodid frogs**. BMC Genet. 15(1):111.
	6	Forconi M., Canapa A., Barucca M., Biscotti M.A., Capriglione T., Buonocore F., Fausto A.M., Makapedua D.M., Pallavicini A., Gerdol M., De Moro G., Scapigliati G., Olmo E., Schartl M. 2013. **Characterization of sex determination and sex differentiation genes in *Latimeria* .** PLoS One 8(4):e56006. doi: 10.1371/journal.pone.0056006.
	7	Sun C., Shepard D.B., Chong R.A., López Arriaza J., Hall K., Castoe T.A., Feschotte C., Pollock D.D., Mueller RL. 2012. **LTR retrotransposons contribute to genomic gigantism in plethodontid salamanders**. Genome Biol Evol 4(2):168-83. doi: 10.1093/gbe/evr139.
	8	Chalopin D., Fan S., Simakov O., Meyer A., Schartl M., Volff J.N. 2014. **Evolutionary active transposable elements in the genome of the coelacanth.** J Exp Zool B Mol Dev Evol 22(6):322-33. doi: 10.1002/jez.b.22521.
	9	Paço A., Adega F., Meštrović N., Plohl M., Chaves R. 2014. **Evolutionary story of a satellite DNA from *Phodopus sungorus* (Rodentia, Cricetidae)**. Genome Biol Evol 6(10):2944-55. doi: 10.1093/gbe/evu233.
	10	Geraldo M.T., Valente G.T., Braz A.S., Martins C. 2013. **The discovery of *Foxl2* paralogs in chondrichthyan, coelacanth and tetrapod genomes reveals an ancient duplication in vertebrates.** Heredity 111(1):57-65. doi: 10.1038/hdy.2013.19.
Prof. T. Cacciamani	**1**	Nat Rev Cancer. 2008 Feb;8(2):108-20. **DNA vaccines: precision tools for activating effective immunity against cancer.** Rice J[1], Ottensmeier CH, Stevenson FK
	2	Human Molecular Genetics, 2010, Vol. 19, Review Issue 2 **Large non-coding RNAs: missing links in cancer?** Maite Huarte1,2 and John L. Rinn1,2,∗
	3	Nat Rev Neurosci. 2005 Jan;6(1):11-22. **Review**. **Modulation** of **neurodegeneration** by **molecular chaperones**. Muchowski PJ, Wacker JL.
	4	Trends Cell Biol. 2007 Feb;17(2):87-92. Epub 2006 Dec 20. **Molecular chaperones and protein kinase quality control. Caplan AJ[1], Mandal AK, Theodoraki MA.**
	5	Cell. 2006 May 5;125(3):443-51 **Molecular chaperones and protein quality control.** Bukau B[1], Weissman J, Horwich A.
	6	Cancer Sci. 2007 Mar;98(3):268-74. **NF-kappaB activation in development and progression of cancer.** Inoue J[1], Gohda J, Akiyama T, Semba K.
	7	Oncol Rep. 2014 Feb;31(2):523-32. doi: 10.3892/or.2013.2913. Epub 2013 Dec 11. **Epigenetic regulation and cancer (review).** Chen QW[1], Zhu XY[1], Li YY[2], Meng ZQ[1]
	8	Onco Targets Ther. 2014 Aug 26;7:1497-518. doi: 10.2147/OTT.S36624. eCollection 2014. **Cytoprotection "gone astray": Nrf2 and its role in cancer.** Geismann C[1], Arlt A[1], Sebens S[2], Schäfer H[1].
	9	Nat Rev Genet. 2011 Nov 18;12(12):861-74. doi: 10.1038/nrg3074. **Non-coding RNAs in human disease.** Esteller M[1].
	10	EMBO J. 2008 Feb 6;27(3):471-81. doi: 10.1038/sj.emboj.7601977. **Messenger RNA regulation: to translate or to degrade.** Shyu AB[1], Wilkinson MF, van Hoof A.

Prof. A. Canapa	**1**	**Adipocyte transdifferentiation and its molecular targets**. Rajan S, Gupta A, Beg M, Shankar K, Srivastava A, Varshney S, Kumar D, Gaikwad AN. Differentiation. (2014) 87(5):183-92. doi: 10.1016/j.diff.2014.07.002. Epub 2014 Aug 15. Review
	2	**In vitro keratinocyte expansion for cell transplantation therapy is associated with differentiation and loss of basal layer derived progenitor population**. Esteban-Vives R, Young M, Over P, Schmelzer E, Corcos A, Ziembicki J, Gerlach J. Differentiation. (2015) 89(5):137-45. doi: 10.1016/j.diff.2015.05.002. Epub 2015 Jul 2
	3	**Biomaterials for vascular tissue engineering.** Ravi S, Chaikof E.L *Regen Med* . (2010) 5(1): 107. doi:10.2217/rme.09.77.
	4	**The cell cycle as a brake for β-cell regeneration from embryonic stem cells**. El-Badawy , El-Badri. *Stem Cell Research & Therapy* . (2016) 7:9 DOI 10.1186/s13287-015-0274-z
	5	**Induced pluripotent stem cell lines derived from human somatic cells.** Yu J,, Vodyanik MA, Smuga-Otto K, Antosiewicz-Bourget J, Frane JL, Tian S, Nie J, Jonsdottir GA, Ruotti V, Stewart R, Slukvin II, Thomson J. *Science* (2007) 318: 1917-1920
	6	**Bone Tissue Engineering: Recent Advances and Challenges.** Amini AR, Laurencin CT, Nukavarapu SP. *Crit Rev Biomed Eng.* (2012) 40(5): 363–408.
	7	**Using humanumbilical cord cells for tissue engineering: A comparison with skin cells** Hayward CJ, Fradette J, Morissette Martin P, Guignard R, Germain L, Auger FA *Differentiation* (2014) 87: 172–181.
	8	**Tissue-Engineered Heart Valve: future of cardiac surgery.** Rippel RA , Ghanbari H, Seifalian AM. *World J Surg* (2012) 36:1581–1591 DOI 10.1007/s00268-012-1535-y
	9	**Tissue engineering of blood vessel.** Zhang WJ, Liu W, Cui L, CaoJ Y. *Cell. Mol. Med.* (2007)11: 945-957.
	10	**A mixed co-culture of mesenchymal stem cells and transgenic chondrocytes in alginate hydrogel for cartilage tissue engineering**. Zhang F, Su K, Fang Y, Sandhya S , Wang D-A. J Tissue Eng Regen Med (2015) 9: 77–84.

Prof. C. Cerrano	**1**	Sandrine Baillon, Jean-François Hamel, Annie Mercier. 2014. **Protracted oogenesis and annual reproductive periodicity in the deep-sea pennatulacean *Halipteris finmarchica* (Anthozoa, Octocorallia).** Marine Ecology 1–15.
	2	Nagayasu Nakanishi, Shunsuke Sogabe, Bernard M Degnan. 2014. **Evolutionary origin of gastrulation: insights from sponge development.** BMC Biology 12:26.
	3	Eric Bautista-Guerrero, Jose´ Luis Carballo, Manuel Maldonado. 2014. **Abundance and reproductive patterns of the excavating sponge *Cliona vermifera* : a threat to Pacific coral reefs?** Coral Reefs 33:259–266
	4	Claire Goodwin, Riccardo Rodolfo-Metalpa, Bernard Picton, Jason M. Hall-Spencer. 2013. **Effects of ocean acidification on sponge communities.** Marine Ecology 1–9.
	5	Volker Gloeckner, Markus Wehrl, Lucas Moitinho-Silva, Christine Gernert, Peter Schupp, Joseph R. Pawlik, Niels L. Lindquist, Dirk Erpenbeck, Gert Wo Rheide, Ute Hentschel. 2014. **The HMA-LMA Dichotomy Revisited: an Electron Microscopical Survey of 56 Sponge Species**. Biol. Bull. 227: 78–88.
	6	Laura Schejter, Juan López Gappa, Claudia Silvia Bremec. 2014. **Epibiotic relationships on *Zygochlamys patagonica* (Mollusca, Bivalvia, Pectinidae) increase biodiversity in a submarine canyon in Argentina.** 2014. Deep-Sea Research 104: 252–258
	7	Luis Boto. 2014. **Horizontal gene transfer in the acquisition of novel traits by metazoans.** Proc. R. Soc. B. 281: 20132450
	8	ANA RIESGO, MARTA NOVO, PRASHANT P. SHARMA, MICHAELA PETERSON, MANUEL MALDONADO, GONZALO GIRIBET. 2013. **Inferring the ancestral sexuality and reproductive condition in sponges (Porifera).** Zoologica Scripta. doi:10.1111/zsc.12031
	9	Robert W Thacker, Maria Cristina Díaz, Adeline Kerner, Régine Vignes-Lebbe, Erik Segerdell, Melissa Haendel, Christopher J Mungall. 2014. **The Porifera Ontology (PORO): enhancing sponge systematics with an anatomy ontology.** Journal of Biomedical Semantics 5:39
	10	Baillon S, Hamel J-F, Mercier A. 2014. **Diversity, Distribution and Nature of Faunal Associations with Deep-Sea Pennatulacean Corals in the Northwest Atlantic.** PLoS ONE 9(11): e111519. doi:10.1371/journal.pone.0111519

Prof. M. Ciani	**1**	Vasileios Englezos, Kalliopi Rantsiou, Fabrizio Torchio, Luca Rolle, Vincenzo Gerbi, Luca Cocolin. **Exploitation of the non-Saccharomyces yeast Starmerella bacillaris (synonym Candida zemplinina) in wine fermentation: Physiological and molecular characterizations**. International Journal of Food Microbiology, Volume 199, 16 April 2015, Pages 33-40
	2	Zlatina Genisheva, Mar Vilanova, Solange I. Mussatto, José A. Teixeira, José M. Oliveira. **Consecutive alcoholic fermentations of white grape musts with yeasts immobilized on grape skins – Effect of biocatalyst storage and SO2 concentration on wine characteristics**. LWT - Food Science and Technology, Volume 59, Issue 2, Part 1, December 2014, Pages 1114-1122
	3	Shu Yang Sun, Han Sheng Gong, Xiao Man Jiang, Yu Ping Zhao. **Selected non-Saccharomyces wine yeasts in controlled multistarter fermentations with Saccharomyces cerevisiae on alcoholic fermentation behaviour and wine aroma of cherry wines.** Food Microbiology, Volume 44, December 2014, Pages 15-23
	4	Maite Novo, Ramon Gonzalez, Eva Bertran, Mireia Martínez, María Yuste, Pilar Morales. **Improved fermentation kinetics by wine yeast strains evolved under ethanol stress.** LWT - Food Science and Technology, Volume 58, Issue 1, September 2014, Pages 166-172
	5	Bradford C. Childs, Jeffri C. Bohlscheid, Charles G. Edwards. **Impact of available nitrogen and sugar concentration in musts on alcoholic fermentation and subsequent wine spoilage by Brettanomyces bruxellensis.** Food Microbiology, Volume 46, April 2015, Pages 604-609
	6	Xing-Xing Wang, Zhe Chi, Ying Peng, Xiang-Hong Wang, Shao-Guo Ru, Zhen-Ming Chi. **Purification, characterization and gene cloning of the killer toxin produced by the marine-derived yeast Williopsis saturnus WC91-2.** Microbiological Research, Volume 167, Issue 9, 12 October 2012, Pages 558-563
	7	Z. Genisheva, S.I. Mussatto, J.M. Oliveira, J.A. Teixeira. **Malolactic fermentation of wines with immobilised lactic acid bacteria – Influence of concentration, type of support material and storage conditions.** Food Chemistry, Volume 138, Issues 2–3, 1 June 2013, Pages 1510-1514
	8	L. Veeranjaneya Reddy, Y. Harish Kumar Reddy, L. Prasanna Anjaneya Reddy, O. **Vijaya Sarathi Reddy. Wine production by novel yeast biocatalyst prepared by immobilization on watermelon (Citrullus vulgaris) rind pieces and characterization of volatile compounds.** Process Biochemistry, Volume 43, Issue 7, July 2008, Pages 748-752
	9	He Bai, Yong Kang, Hongen Quan, Yang Han, Jiao Sun, Ying Feng. **Bioremediation of copper-containing wastewater by sulfate reducing bacteria coupled with iron.** Journal of Environmental Management, Volume 129, 15 November 2013, Pages 350-356
	10	K. Petrikov, Ya. Delegan, A. Surin, O. Ponamoreva, I. Puntus, A. Filonov, A. Boronin. **Glycolipids of Pseudomonas and Rhodococcus oil-degrading bacteria used in bioremediation preparations: Formation and structure.** Process Biochemistry, Volume 48, Issues 5–6, May–June 2013, Pages 931-935
	11	Lalit K. Singh, Chandrajit B. Majumder, Sanjoy Ghosh. **Development of sequential-co-culture system (Pichia stipitis and Zymomonas mobilis) for bioethanol production from Kans grass biomass**. Biochemical Engineering Journal, Volume 82, 15 January 2014, Pages 150-157
	12	K. Srilekha Yadav, Shaik Naseeruddin, G. Sai Prashanthi, Lanka Sateesh, L. Venkateswar Rao. **Bioethanol fermentation of concentrated rice straw hydrolysate using co-culture of Saccharomyces cerevisiae and Pichia stipites.** Bioresource Technology, Volume 102, Issue 11, June 2011, Pages 6473-6478

Prof. B. Corradetti	**1**	**Chondroitin-6-sulfate attenuates inflammatory responses in murine macrophages via suppression of NF-jB nuclear translocation**
	2	**DNA methyltransferases and TETs in the regulation of differentiation and invasiveness of extra-villous trophoblasts**
	3	**Macrophages are required for adult salamander limb regeneration**
	4	**Mesenchymal stem cells use extracellular vesicles to outsource mitophagy and shuttle microRNAs**
	5	**Mesenchymal stem cells generate distinct functional hybrids in vitro via cell fusion or entosis**
	6	**- MSC from fetal and adult lungs possess lung-specific properties compared to bone marrow-derived MSC**
	7	**- Fractal heterogeneity in minimal matrix models of scars modulates stiff-niche stem-cell responses via nuclear exit of a mechano-repressor**
	8	**- Identification of Differentially Expressed Long Non-coding RNAs in Polarized Macrophages**
	9	**PPARβ/δ governs Wnt signaling and bone turnover**
	10	**The NuRD Chromatin-Remodeling Enzyme CHD4 Promotes Embryonic Vascular Integrity by Transcriptionally Regulating Extracellular Matrix Proteolysis**
Prof. E. Damiani	**1**	**(+)-Catechin protects dermal fibroblasts against oxidative stress-induced apoptosis** *Tanigawa et al., BMC Complementary and Alternative Medicine 2014, 14:133*
	2	**Combination of Selenium and Green Tea Improves the Efficacy of Chemoprevention in a Rat Colorectal Cancer Model by Modulating Genetic and Epigenetic Biomarkers** *Hu Y. et al., PLOS ONE, 2013,Volume 8, Issue 5, e64362*
	3	**Effective Photoprotection of Human Skin against Infrared A Radiation by Topically Applied Antioxidants: Results from a Vehicle Controlled, Double-Blind, Randomized Study** *Grether-Beck S. et al., Photochemistry and Photobiology, 2015, 91: 248–250*
	4	**Evaluation of the protective effect of *Ilex paraguariensis* and *Camellia sinensis* extracts on the prevention of oxidative damage caused by ultraviolet radiation** *Barg M. et al. Environmental toxicology and pharmacology 37 (2014) 195–201*
	5	**Green tea polyphenol, (-)-epigallocatechin-3-gallate, induces toxicity in human skin cancer cells by targeting β-catenin signaling** *Singh T. et al., Toxicol Appl Pharmacol. 2013 December 1; 273(2): doi:10.1016/j.taap.2013.09.021*
	6	**Green tea polyphenol epigallocatechin-3-gallate suppresses melanoma growth by inhibiting inflammasome and IL-1β secretion** *Ellis L. et al. Biochem Biophys Res Commun. 2011 October 28; 414(3): 551–556. doi:10.1016/j.bbrc.2011.09.115.*
	7	**Inhibition of UVB-induced non melanoma skin cancer: A path from tea to caffeine to exercise to decreased tissue fat** *Conney A.H. et al. Top Curr Chem. 2013 ; 329: 61–72. doi:10.1007/128_2012_336.*
	8	**Photoprotective efficacy and photostability of fifteen sunscreen products having the same label SPF subjected to natural sunlight** *Hojerova J. et al. International Journal of Pharmaceutics 408 (2011) 27–38*
	9	**Photostability of Cosmetic UV Filters on Mammalian Skin Under UV** Exposure *Stiefel C. et al. Photochemistry and Photobiology, 2015, 91: 84–91*
	10	**Research on the immunosuppressive activity of ingredients contained in sunscreens** *Frikeche J. et al. Arch Dermatol Res, 2015 DOI 10.1007/s00403-014-1528-9*
	1	**Azzurro E., Tuset V.M., Lombarte A., Maynou F., Simberloff D., Rodriguez-Perez A. & Sole R.V. (2014). External morphology explains the success of biological invasions. Ecology letters 17(11): 1455–1463.**
	2	**Barnes C., Maxwell D., Reuman D.C. and Jennings S. (2010), Global patterns in predator–prey size relationships reveal size dependency of trophic transfer efficiency. Ecology, 91: 222–232. doi:10.1890/08-2061.1**
	3	**Brose U., Jonsson T., Berlow E.L., Warren P., Banasek-Richter C., Bersier L.-F., Blanchard J.L., Brey T., et al. (2006). Consumer–resource body-size relationships in natural food webs. Ecology, 87: 2411–2417. doi:10.1890/0012-9658(2006)87**

Prof. E. Fanelli	4	Duffy J.E., Cardinale B.J., France K.E., McIntyre P.B., Thébault E. and Loreau M. (2007), The functional role of biodiversity in ecosystems: incorporating trophic complexity. Ecology Letters, 10: 522–538. doi:10.1111/j.1461-0248.2007.01037.x
	5	Hanski I. (2011). Habitat Loss, the Dynamics of Biodiversity, and a Perspective on Conservation. Ambio. 40(3):248-255. doi:10.1007/s13280-011-0147-3.
	6	Myers R.A., Baum J.K., Shepherd T.D., Powers S.P., Peterson C.H. (2007). Cascading effects of the loss of apex predatory sharks from a coastal ocean. Science 315(5820): 1846-1850. DOI: 10.1126/science.1138657
	7	Mcclain C.R., Barry J.P. (2010). Habitat heterogeneity, disturbance, and productivity work in concert to regulate biodiversity in deep submarine canyons Ecology, 91(4), 964–976.
	8	Roxburgh S. H., Shea K. and Wilson J. B. (2004). The intermediate disturbance hypothesis: patch dynamics and mechanisms of species coexistence. Ecology, 85: 359–371. doi:10.1890/03-0266
	9	Shea K., Chesson P. (2002). Community ecology theory as a framework for biological invasions. Trends in Ecology & Evolution 17(4): 170-176.
	10	Vizzini S., Martínez-Crego B., Andolina C., Massa-Gallucci A., Connell S.D.& Gambi M.C. (2017). Ocean acidification as a driver of community simplification via the collapse of higher-order and rise of lower-order consumers. Scientific Report 7: 4018 DOI:10.1038/s41598-017-03802-w
	11	Wilson M.C., Chen XY., Corlett R.T. et al. (2016). Habitat fragmentation and biodiversity conservation: key findings and future challenges. Landscape Ecol 31: 219. https://doi.org/10.1007/s10980-015-0312-3

Prof. R. Fiorini	**1**	**Anandamide Externally Added to Lipid Vesicles Containing-Trapped Fatty Acid Amide Hydrolase (FAAH) Is Readily Hydrolyzed in a Sterol-Modulated Fashion** Martin Kaczocha,Qingqing Lin,Lindsay D. Nelson,Michelle K. McKinney, Benjamin F. Cravatt, Erwin London, and Dale G. Chemical Neuroscience 3, 364−368, 2012
	2	**Control of luminescence from pygmy shark (*Squaliolus aliae*) photophores** Julien M. Claes, Hsuan-Ching Ho and Jérôme Mallefet 1Laboratory of Marine Biology, Earth and Life Institute, Université catholique de Louvain, Taiwan Journal of Experimental Biology 215, 1691-1699, 2012
	3	**Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells** Gàbor Balogh, Giuseppe Maulucci, Imre Gombos, Ibolya Horvàth, Zsolt Torok, Mària Péter, Elfrieda Fodor, Tibor Pàli, Sàndor Benko, Tiziana Parasassi, Marco De Spirito, John L. Harwood, Laszlo´Vıgh PLoS ONE 6, 1-12, 2011
	4	**Impact of Embedded Endocannabinoids and Their Oxygenation by Lipoxygenase on Membrane Properties** Enrico Dainese, Annalaura Sabatucci,Clotilde B. Angelucci,Daniela Barsacchi, Marco Chiarini, and Mauro Maccarrone ACS Chemical Neuroscience 3, 386−392, 2012
	5	**Improved Mitochondrial Function with Diet-Induced Increase in Either Docosahexaenoic Acid or Arachidonic Acid in Membrane Phospholipids** Ramzi J. Khairallah, Junhwan Kim, Karen M. O'Shea, Kelly A. O'Connell, Bethany H. Brown,Tatiana Galvao, Caroline Daneault, Christine Des Rosiers, Brian M. Polster, Charles L. Hoppel, William C. StanleyPLoS ONE 7, 1- 10, 2012
	6	**Increasing levels of cardiolipin differentially influence packing of phospholipids found in the mitochondrial inner membrane** Tonya N. Zeczycki, Jarrett Whelan, William Tyler Hayden, David A. Brown, Saame Raza Shaikh Biochemical and Biophysical Research Communications 450, 366–371, 2014
	7	**Membrane lipid modifications and therapeutic effects mediated by hydroxydocosahexaenoic acid on Alzheimer's disease** Manuel Torres , Samantha L. Price , Maria A. Fiol-deRoque , Amaia Marcilla-Etxenike , Hasna Ahyayauch , Gwendolyn Barceló-Coblijn a, Silvia Terés a, Loukia Katsouri b, Margarita Ordinas a, David J. López , Maitane Ibarguren , FélixM. Goñi , Xavier Busquets , Javier Vitorica , Magdalena Sastre , Pablo V. Escribá Biochimica et Biophysica Acta 1838, 1680–1692, 2014
	8	**Membrane lipids are key modulators of the endocannabinoid-hydrolase FAAH** Enrico DAINESE, Gianni DE FABRITIIS‡, Annalaura SABATUCCI, Sergio ODDI, Clotilde Beatrice ANGELUCCI, Chiara DI PANCRAZIO, Toni GIORGINO, Nathaniel STANLE, Michele DEL CARLO, Benjamin F. CRAVAT and Mauro MACCARRONE Italy Biochem. J. 457, 463–472, 2014
	9	**Physiological plasticity of cardiorespiratory function in a eurythermal marine teleost, the longjaw mudsucker, *Gillichthys mirabilis*** Nishad Jayasundara, and George N. Somero Journal of Experimental Biology 216, 2111-2121, 2013
	10	**Relationship between the Antioxidant Capacity and Effect of Rosemary (Rosmarinus officinalis L.) Polyphenols on Membrane Phospholipid Order** Laura Perez-Fons, Maria T. GarzonAgric. Food Chem. 58, 161–171, 2010

Prof. R. Galeazzi	**1**	Vangavaragu JR, Valasani KR, Gan X, Yan S.S., **"Identification of human presequence protease (hPreP) agonists for the treatment of Alzheimer's disease"**, European Journal of Medicinal Chemistry, **2014,** 76, 506e516.
	2	Wright JW, Kawas LH, Harding JW, **"The development of small molecule angiotensin IV analogs to treat Alzheimer's and Parkinson's diseases"**, Prog Neurobiol, **2015**, 125:26-46.
	3	Rao V.K., Carlson E.A., Yan S. S., **"Mitochondrial permeability transition pore is a potential drug target for neurodegeneration**",Biochimica et Biophysica Acta, **2014,** 1842, 1267**–**1272.
	4	R. L.M. van Montfort, P. Workman, **"Structure-based design of molecular cancer therapeutics"**, Trends in Biotechnology , **2009**, 27 (5), 315.
	5	Alan K.H. Cheng, Dipankar Sen, Hua-Zhong Yu, **"Design and testing of aptamer-based electrochemical biosensors for proteins and small molecules"**, Bioelectrochemistry, **2009,** 77,1–12.
	6	May C. Morris, **"Fluorescent biosensors — Probing protein kinase function in cancer and drug discovery"**, Biochimica et Biophysica Acta, 2013, 1834,1387**–**1395.
	7	T. Tamura, I.Hamachi, **"Recent Progress in Design of Protein-Based Fluorescent Biosensors and Their Cellular Applications"**, ACS Chem. Biol. **2014**, 9, 2708−2717.
	8	M. M. Rahman, H. Zetterberg, C. Lendel, T. Härd, **"Binding of Human Proteins to Amyloid‑β Protofibrils"**, ACS Chem. Biol., **2015**, 10, 766−774.
	9	H Xue, H Shi, Z Yu, S He, S Liu,Y Hou, X Pan, H Wang, P Zheng, C Cui, H Viets, J Liang, Y Zhang, S Chen, H M. Zhang, **Design, Construction, and Characterization of a Set of Biosensors for Aromatic Compounds**, ACS Synth. Biol. **2014**, 3, 1011−1014.
	10	Jesus AR, Dias C, Matos AM, de Almeida RF, Viana AS, Marcelo F, Ribeiro RT, Macedo MP, Airoldi C, Nicotra F, Martins A, Cabrita EJ, Jiménez-Barbero J, Rauter AP, **"Exploiting the therapeutic potential of 8-β-d-glucopyranosylgenistein: synthesis, antidiabetic activity, and molecular interaction with islet amyloid polypeptide and amyloid β-peptide (1-42)"**, J Med Chem. **2014**, 57(22),9463-72.
Prof. M. Giordano	**1**	**Dinoflagellate-Cyanobacterium Communication May Determine the Composition of Phytoplankton Assemblage in a Mesotrophic Lake** Assaf Vardi, Daniella Schatz, Karen Beeri, Uzi Motro, Assaf Sukenik, Alex Levine, Aaron Kaplan Current Biology (2002), 12: 1767-1772,
	2	**Regulation and Localization of Key Enzymes during the Induction of Kranz-Less**, C4-Type Photosynthesis in *Hydrilla verticillata* N. C. Magnin, B. A. Cooley, J. B. Reiskind and G. Bowes Plant Physiology (1997) 115, 1681-1689
	3	**Kranz anatomy is not essential for terrestrial C4 plant photosynthesis** Elena V. Voznesenskaya, Vincent R. Franceschi, Olavi Kiirats, Helmut Freitag & Gerald E. Edwards Nature (2001) 414, 543-546
	4	**Redfield revisited: variability of C:N:P in marine microalgae and its biochemical basis** Richard Geider & Julie La Roche European Journal of Phycology (2002) 37, 1-17,
	5	**Put out the light, and then put out the light** John A. Raven Journal of the Marine Biological Association of the UK (2000). 80, 1-25
	6	**Inorganic carbon acquisition by eukaryotic algae: four current questions** John A. Raven Photosynthesis Research (2010) 106, 123-134
	7	**Tiered Regulation of Sulfur Deprivation Responses in *Chlamydomonas reinhardtii* and Identification of an Associated Regulatory Factor1[C][W] Munevver Aksoy, Wirulda Pootakham**, Steve V. Pollock, Jeffrey L. Moseley, David González-Ballester and Arthur R. Grossman Plant Physiology (2013) 162, 195-211
	8	**Ammonium transporter genes in *Chlamydomonas* : the nitrate-specific regulatory gene Nit2 is involved in Amt1**;1 expression David González-Ballester, Antonio Camargo, Emilio Fernández Plant Molecular Biology (2004) 56, 863-878
	9	**The Evolution of Modern Eukaryotic Phytoplankton** Paul G. Falkowski, Miriam E. Katz, Andrew H. Knoll, Antonietta Quigg, John A. Raven, Oscar Schofield, F. J. R. Taylor Science (2004): 305, 354-360
	10	**Early Evolution of Photosynthesis** Robert E. Blankenship Plant Physiology (2010) 154, 434-438

Prof. E. Giorgini	**1**	Analisi della struttura delle proteine tramite spettroscopia infrarossa
	2	Analisi e differenziazione di vari tipi di collagene
	3	Imaging FTIR di tessuti ossei ingegnerizzati
	4	Identificazione e quantificazione di biocomponenti vegetali tramite spettroscopia FTIR e RAMAN
	5	Analisi FTIR dei livelli di glicogeno in tessuti tumorali
	6	Ultrastruttura di oociti umani crioconservati
	7	IR mapping di patologie del cavo orale
	8	Caratterizzazione vibrazionale di gameti femminili
Prof. E. Giovanetti	**1**	**Absence of bacterial resistance to medical-grade manuka honey.** R. A. Cooper & L. Jenkins & A. F. M. Henriques & R. S. Duggan & N. F. Burton. *Eur. J. Clin. Microbiol. Infect. Dis.* (2010) 29: 1237–1241
	2	**Assessment of linezolid resistance mechanisms among *Staphylococcus epidermidis* causing bacteraemia in Rome, Italy.**Rodrigo E. Mendes, Lalitagauri M. Deshpande, David J. Farrell, Teresa Spanu, Giovanni Fadda and Ronald N. Jones. *J. Antimicrob. Chemother.* (2010) 65: 2329–2335
	3	**Diagnosis of Whooping Cough in Switzerland: Differentiating *Bordetella pertussis* from *Bordetella holmesii* by Polymerase Chain Reaction.**Laure F. Pittet, Stephane Emonet, Patrice Francois, Eve-Julie Bonetti, Jacques Schrenzel, Melanie Hug, Martin Altwegg, Claire-Anne Siegrist, Klara M. Posfay-Barbe. *PLOS ONE* (2014) 9: e88936
	4	**The antibacterial activity of honey against coagulase-negative staphylococci.** V. M. French, R. A. Cooper and P. C. Molan. *J. Antimicrob. Chemother.* (2005) 56: 228–231
	5	**Emergence of Respiratory *Streptococcus agalactiae* Isolates in Cystic Fibrosis Patients** Vera Eickel, Barbara Kahl, Beatrice Reinisch, Angelika Dubbers, Peter Kuster, Claudia Brandt, Barbara Spellerberg *PLOS ONE* (2009) 4: e4650
	6	**What causes decreased erythromycin resistance in *Streptococcus pyogenes* ? Dynamics of four clones in a southern European region from 2005 to 2012.** Montes M, Tamayo E, Mojica C, García-Arenzana JM, Esnal O, Pérez-Trallero E. *J. Antimicrob. Chemother.* (2014)69: 1474-82.
	7	**Lysogenic Transfer of *mef* (A) and *tet* (O) Genes Carried by ϕm46.1 among Group A Streptococci** Maria Chiara Di Luca, Stefania D'Ercole, Dezemona Petrelli, Manuela Prenna, Sandro Ripa, and Luca A. Vitali. *Antimicrob. Agents Chemoter.* (2010) 54: 4464–4466.
	8	**Genetic diversity of *Streptococcus suis* clinical isolates from pigs and humans in Italy (2003-2007).** M. S. Princivalli, C. Palmieri, G. Magi, C. Vignaroli, A. Manzin, A. Camporese, S. Barocci, C. Magistrali, B. Facinelli. *Eurosurveillance* (2009) 14: 1-7
	9	**Antibiotic Resistance Genes in the Bacteriophage DNA Fraction of Human Fecal Samples** Pablo Quirós, Marta Colomer-Lluch, Alexandre Martínez-Castillo, Elisenda Miró, Marc Argente, Juan Jofre, Ferran Navarro, Maite Muniesaa *Antimicrob. Agents Chemother.* (2014) 58: 606–609.
	10	**Predicting bacterial fitness cost associated with drug resistance.** Guo B., Abdelraouf K., Ledesma K.R., Nikolaou M., Tam V.H. *J. Antimicrob. Chemother.* (2012) 67:928-932

Prof. M. Giovannotti	**1**	Ferguson-Smith M.A., Trifonov V., 2007. **Mammalian karyotype evolution.** Nature Reviews Genetics, 8 (12): 950-962, doi:10.1038/nrg2199.
	2	Lutes A.A., Neaves W.B., Baumann D.P., Wiegraebe W., Baumann P., 2010. **Sister chromosome pairing maintains heterozygosity in parthenogenetic lizards**. Nature, 464 (7286): 283-286, doi:10.1038/nature08818.
	3	Yoshida K., Terai Y., Mizoiri S., Aibara M., Nishihara H., Watanabe M., Kuroiwa A., Hirai H., Hirai Y., Matsuda Y., Okada N., 2011. **B chromosomes have a functional effect on female sex determination in Lake Victoria cichlid fishes.** PLoS Genetics, 7 (8): e1002203, doi:10.1371/journal.pgen.1002203.
	4	Matsubara K., Tarui H., Toriba M., Yamada K., Nishida-Umehara C., Agata K., Matsuda Y., 2006. **Evidence for different origin of sex chromosomes in snakes, birds, and mammals and step-wise differentiation of snake sex chromosomes.** Proceedings of the National Academy of Sciences, 103(48): 18190-18195.
	5	Ezaz T., Sarre S.D., O'Meally D., Marshall Graves J.A., Georges A., 2009. **Sex chromosome evolution in lizards: independent origins and rapid transitions.** Cytogenetic and Genome Research, 127(2): 249-260, doi: 10.1159/000300507.
	6	Comai L., 2005. **The advantages and disadvantages of being polyploid**. Nature Reviews Genetics, 6 (11): 836-846, doi:10.1038/nrg1711.
	7	Antonarakis S.E., Lyle R., Dermitzakis E.T., Reymond A., Deutsch S., 2004. **Chromosome 21 and down syndrome: from genomics to pathophysiology.** Nature Reviews Genetics, 5 (10): 725-738, doi:10.1038/nrg1448.
	8	Fröhling S., Döhner H., 2008. **Chromosomal abnormalities in cancer.** The New England Journal of Medicine, 359 (7): 722-734.
	9	Sullivan B.A., Blower M.D., Karpen G.H., 2001. **Determining centromere identity: cyclical stories and forking paths.** Nature Reviews Genetics, 2(8): 584-596.
	10	Nagaoka S.I., Hassold T.J., Hunt P.A., 2012. **Human aneuploidy: mechanisms and new insights into an age-old problem.** Nature Reviews Genetics, 13(7): 493-504, doi:10.1038/nrg3245.
Prof. A. La Teana	**1**	**Landscape of RNA polyadenylation** in E. coli. Maes et al., Nucleic Acids Research, 2017, 45, 2746–2756.
	2	**Poly(A) tail length regulates PABPC1 expression to tune translation in the heart.** Chorghade et al., eLife, 2017;6:e24139. DOI: 10.7554/eLife.24139.
	3	**Heat shock factor 1 promotes TERRA transcription and telomere protection upon heat stress.** Nucleic Acids Research, 2017, 45, 11, 6321–6333.
	4	**Heat shock represses rRNA synthesis by inactivation of TIF-IA and lncRNA-dependent changes in nucleosome positioning** Zhao et al., 2016, Nucleic Acids Research, 44, 8144–8152.
	5	**Gdown1 associates efficiently with RNA Polymerase II after promoter clearance and displaces TFIIF during transcript elongation** PlosOne, 2016, DOI:10.1371/journal.pone.0163649
	6	**Cellular differentiation state modulates the mRNA export activity of SR proteins.** Botti et al., J. Cell Biol., 2017, 216, 7, 1993–2009.
	7	**DHX29 and eIF3 cooperate in ribosomal scanning on structured mRNAs during translation initiation** Pisareva et al., 2016, RNA, 22, 1–12
	8	**Topoisomerase 3_ is the major topoisomerase for mRNAs and linked to neurodevelopment and mental dysfunction.** Ahmad et al., Nucleic Acids Research, 2017, 45, 2704-2713.
	9	**Arginine methylation promotes translation repression activity of eIF4G-binding protein, Scd6**. Poornima et al., 2016, Nucleic Acids Research 44, 9358–9368
	10	**Viral and cellular mRNA-specific activators harness PABP and eIF4G to promote translation initiation downstream of cap binding.** Smith et al., PNAS, 2017, 114, 6310–6315.
	1	Brieño-Enríquez MA, Larriba E, Del Mazo J. Endocrine disrupters, microRNAs, and primordial germ cells: a dangerous cocktail. Fertil Steril. 2016 Sep 15;106(4):871-9. doi: 10.1016/j.fertnstert.2016.07.1100. Epub 2016 Aug 11.
	2	Patricio Ventura‐Juncá, Isabel Irarrázaval, Augusto J. Rolle, Juan I. Gutiérrez, Ricardo D. Moreno, Manuel J. Santos. In vitro fertilization (IVF) in mammals: epigenetic and developmental alterations. Scientific and bioethical implications for IVF in humans. Biol Res (2015) 48:68

Prof. F. Maradonna	**3**	Moisés Mallo,* and Claudio R. Alonso,* The regulation of Hox gene expression during animal development. Development 140, 3951-3963 (2013) doi:10.1242/dev.068346
	4	Deshpande G, Willis E, Chatterjee S, Fernandez R, Dias K, et al. (2014) BMP Signaling and the Maintenance of Primordial Germ Cell Identity in Drosophila Embryos. PLoS ONE 9(2): e88847. doi:10.1371/journal.pone.0088847
	5	Andrea Miccoli Giorgia Gioacchini Francesca Maradonna Francesca Benato, Tatjana Skobo, Oliana Carnevali Beneficial Bacteria. Affect Danio rerioDevelopment by the Modulation of Maternal Factors Involved in Autophagic, Apoptotic and Dorsalizing Processes. Cell Physiol Biochem 2015;35:1706-1718
	6	Yuko S. Niwa and Ryusuke Niwa. Transcriptional regulation of insect steroid hormone biosynthesis and its role in controlling timing of molting and metamorphosis. Develop. Growth Differ. (2015)
	7	Mizoguchi BA1, Valenzuela N. Ecotoxicological Perspectives of Sex Determination. Sex Dev. 2016;10(1):45-57. doi: 10.1159/000444770. Epub 2016 Mar 30.
	8	Tse WK1, Yeung BH, Wan HT, Wong CK. Early embryogenesis in zebrafish is affected by bisphenol A exposure. Biol Open. 2013 Mar 19;2(5):466-71. doi: 10.1242/bio.20134283. Print 2013 May 15.
	9	Ho SM1, Cheong A2, Adgent MA3, Veevers J4, Suen AA5, Tam NN6, Leung YK6, Jefferson WN7, Williams CJ8. Environmental factors, epigenetics, and developmental origin of reproductive disorders. Reprod Toxicol. 2016 Jul 12. pii: S0890-6238(16)30268-4. doi: 10.1016/j.reprotox.2016.07.011. [Epub ahead of print]
	10	Liang YQ1, Huang GY2, Zhao JL2, Shi WJ2, Hu LX2, Tian F2, Liu SS2, Jiang YX2, Ying GG3. Transcriptional alterations induced by binary mixtures of ethinylestradiol and norgestrel during the early development of zebrafish (Danio rerio). Comp Biochem Physiol C Toxicol Pharmacol. 2017 Feb 17. pii: S1532-0456(17)30045-5.
	11	Nüsslein-Volhard C1, Singh AP1. How fish color their skin: A paradigm for development and evolution of adult patterns: Multipotency, plasticity, and cell competition regulate proliferation and spreading of pigment cells in Zebrafish coloration. Bioessays. 2017 Feb 3. doi: 10.1002/bies.201600231. [Epub ahead of print]

Prof. P. Mariani	**1**	**Supramolecular architectures generated by self-assembly of guanosine derivatives** - Jeffery T. Davis and Gian Piero Spada - Chem. Soc. Rev., 2007, 36, 296–313
	2	**Nanocarriers as an emerging platform for cancer therapy** - Dan Peer, Jeffrey M. Karp, Seungpyo Hong, Omid C. Farokhzad, Rimona Margalit and Robert Langer - nature nanotechnology , VOL 2, 751-760, 2007
	3	**Solving the membrane protein folding problem** - James U. Bowie1 - NATURE, Vol 438, 581, 2005
	4	**Membrane curvature and mechanisms of dynamic cell membrane remodeling** - Harvey T. McMahon1 & Jennifer L. Gallop1 - NATURE|Vol 438, 590, 2005
	5	**Amyloid Formation on Lipid Membrane Surface**s - Paavo K.J. Kinnunen - The Open Biology Journal, 2009, 2, 163-175
	6	**Bacterial protein toxins and lipids: pore formation or toxin entry into cell**s - Blandine Geny and Michel R. Popoff1 -Biol. Cell (2006) 98, 667–678
	7	**α-helix to β-hairpin transition of human amylin monomer** - and Singh,1 Chi-cheng Chiu,2 Allam S. Reddy,1 and Juan J. de Pablo1,2,3 - THE JOURNAL OF CHEMICAL PHYSICS 138, 155101 (2013)
	8	High throughput protein production for functional proteomics - Pascal Braun1 and Josh LaBaer - TRENDS in Biotechnology 21, 383, 2003
	9	**Drug Delivery by Soft Matter: Matrix and Vesicular Carriers** - Elodie Soussan, Stphanie Cassel, Muriel Blanzat,* and Isabelle Rico-Lattes - Angew. Chem. Int. Ed. 2009, 48, 274 – 288
	10	Observing the Solubilization of Lipid Bilayers by Detergents with Optical Microscopy of GUVs - Tatiane P. Sudbrack,† Nathaly L. Archilha,† Rosangela Itri,† and Karin A. Riske - J. Phys. Chem. B, Vol. 115, No. 2, 2011

Prof. A. Norici	**1**	Van Den Hende S, Vervaeren H, Boon N 2012. **Flue gas compounds and microalgae: (Bio-)chemical interactions leading to biotechnological opportunities**. Biotechnology Advances 30: 1405–1424
	2	Egan S, Harder T, Burke C, Steinberg P, Kjelleberg S, Torsten T 2013. **The seaweed holobiont: understanding seaweed–bacteria interactions.** FEMS Microbiol Rev 37: 462–476.
	3	Barber J, Tran PD. 2013. **From natural to artificial photosynthesis.** J R Soc Interface 10: 20120984.
	4	Raven AJ 2013. **Iron acquisition and allocation in stramenopile algae.** Journal of Experimental Botany Vol. 64: 2119–2127.
	5	Lefebvre, S. C., Benner, I., Stillman, J. H., Parker, A. E., Drake, M. K., Rossignol, P. E., Okimura, K. M., Komada, T. and Carpenter, E. J. (2012), **Nitrogen source and pCO_2 synergistically affect carbon allocation, growth and morphology of the coccolithophore *Emiliania huxleyi* : potential implications of ocean acidification for the carbon cycle.** Global Change Biology, 18: 493–503.
	6	Assmy P, Smetacek V, Montresor M, Klaas C, Henjes J, Strass VH, Arrieta JM, Bathmann U, Berg GM, Breitbarth E, Cisewski B, Friedrichs L, Fuchs N, Herndl GJ, Jansen S, Krägefsky S, Latasa M, Peeken I, Röttgers R, Scharek R, Schüller SE, Steigenberger S, Webb A, and Wolf-Gladrow D 2013. **Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current.** PNAS 2013 110 (51) 20633-20638
	7	John A. Raven, John Beardall, Anthony W. D. Larkum, Patricia Sánchez-Baracaldo 2013. **Interactions of photosynthesis with genome size and function. Phil. Trans.** R. Soc. B: 2013 368 20120264
	8	Orly Levitan, Jorge Dinamarca, Ehud Zelzion, Desmond S. Lun, L. Tiago Guerra, Min Kyung Kim, Joomi Kim, Benjamin A. S. Van Mooy, Debashish Bhattacharya, and Paul G. Falkowski 2014. **Remodeling of intermediate metabolism in the diatom *Phaeodactylum tricornutum* under nitrogen stress.** PNAS 2015 112 (2) 412-417
	9	Malcolm, H. and April, H. (2012), **The magnesium inhibition and arrested phagosome hypotheses: new perspectives on the evolution and ecology of *Symbiodinium* symbioses.** Biological Reviews, 87: 804–821.
	10	Niyogi KK, Truong TB 2013. **Evolution of flexible non-photochemical quenching mechanisms that regulate light harvesting in oxygenic photosynthesis**, Current Opinion in Plant Biology, 16: 307-314.
Prof. I. Olivotto	**1**	**Conservation and management of ornamental coral reef wildlife: Successes, shortcomings, and future directions** Laura E. Dee a, Stephanie S. Horii a, Daniel J. Thornhill Biological Conservation 169 (2014) 225–237
	2	**Status and recommendations on marine copepod cultivation for use as live feed** Guillaume Drillet a,f,, Stéphane Frouël b, Mie H. Sichlau c, Per M. Jepsen d,f, Jonas K. Højgaard d, Almagir K. Joarder e, Benni W. Hansen f Aquaculture 315 (2011) 155–166
	3	**Design criteria for recirculating, marine ornamental production systems** Craig A. Watson *, Jeffrey E. Hill Aquacultural Engineering 34 (2006) 157–162
	4	**Improving sustainability of aquaculture in Europe: Stakeholder dialogues on Integrated Multi-trophic Aquaculture (IMTA)** K.A. Alexander a,*, D. Angel h, S. Freeman b, D. Israel b, J. Johansen c, D. Kletou d, M. Meland e, D. Pecorino f, C. Rebours e, M. Rousou d, M. Shorten g, T. Potts Environmental Science & Policy 55 (2016) 96–106
	5	**Preserved copepods as a new technology for the marine ornamental fish aquaculture: A feeding study** I. Olivotto, N.E. Tokle, V. Nozzi, L. Cossignani, O. Carnevali Aquaculture 308 (2010) 124–131

Prof. M. Orena	**1**	**Discovery of selective and orally bioavailable Protein Kinase Cθ (PKCθ) inhibitors from a fragment hit**. Dawn M. George et al., *J. Med. Chem.* **2015**, *58* , 222-236.
	2	**PNA-encoded chemical libraries.** Zambaldo C. et al., *Curr. Opin. Chem. Biol.* **2015**, *26* , 8-15.
	3	**Metallopeptide catalysts and artificial metalloenzymes containing unnatural amino acids**.Lewis J.C., *Curr. Opin. Chem.Biol.* **2015**, *25* , 27-35.
	4	**Rational Design and Real Time, In-Cell Detection of the Proapoptotic Activity of a Novel Compound Targeting Bcl-XL**.Becattini B. et al., *Chem. & Biol.* **2004**, *11* , 389-395.
	5	**Synthesis and anti-HIV-1 activity of the conjugates of gossypol with oligopeptides and D-glucosamine**. Yang J. et al., *Chin. Chem. Lett.* **2014**, *25* , 1052-1056.
	6	**Synthesis and antiviral activities of novel gossypol derivatives**.Yang J. et al., *Bioorg. Med. Chem. Lett.* **2012**, *22* , 1415-1420.
	7	**Amino acid derivatives of the (-)-enantiomer of gossypol are effective fusion inhibitors of human immunodeficiency virus type 1**.An Tai et al., *Antivir. Res.* **2012**, *94* , 276-287.
	8	**Biocompatible hydrogels by oxime Click Chemistry**.Grover G. N. et al., *Biomacromolecules* **2012**, *13* , 3013−3017.
	9	**Stapling of a 310-Helix with Click Chemistry.**Jacobsen Ø. et al., *J. Org. Chem* . **2011**, *76* , 1228-1238.
	10	**Structure and inhibition of the drug-resistant S31N mutant of the M2 ion channel of influenza A virus**.DeGrado W. F. et al., *PNAS* **2013**, *110* , 1315-1320.
	11	**Exploring RNA transcription and turnover in vivo by using click chemistry.**Jao C. Y., *PNAS* **2008**, *105* , 15779-15784.
	12	**Copper-free click chemistry in living animals**. Bertozzi C.R., PNAS 2010, 107, 1821-1826.
Prof. M.G. Ortore	**1**	Structural variation in amyloid-β fibrils from Alzheimer's disease clinical subtypes. Wei Qiang, Wai-Ming , J Collinge & Robert Tycko. NATURE, vol 541, pp 217-. 2017.
	2	**2. Design of coiled-coil protein-origami cages that self-assemble in vitro and in vivo. Ajasja Ljubetič, Fabio Lapenta, Helena Gradišar, Roman Jerala & al. NATURE BIOTECHNOLOGY 35, 1094–1101. 2017.**
	3	Domain-swap polymerization drives the self-assembly of the bacterial flagellar motor. Matthew A B Baker, Robert M G Hynson &Lawrence K Lee. Nature Structural and Molecular Biology 23, 197–203. 2016.
	4	Nanodiscs for structural and functional studies of membrane proteins. Ilia G Denisov & Stephen G Sligar. Nature Structural and Molecular Biology 23, 481–486. 2016.
	5	Effects of High Hydrostatic Pressure Processing on Hen Egg Compounds and Egg Products. N Naderi, JD House, Y Pouliot et al. Comprehensive Reviews in Food Science and Food Safety. Vol 16, Issue 4, pp 707–720. 2017.
	6	Darwinian biophysics: Electrostatics and evolution in the kinetics of molecular binding. J. Andrew McCammon. PNAS. vol. 106 no. 19, 7683. 2009.
	7	Water dynamics in the hydration shells of biomolecules. D. Laage, T. Elsaesser and J. T. Hynes. Chemical Reviews. 117 (16), pp 10694–10725. 2017.
	8	Temperature and pressure limits of guanosine monophosphate self assemblies. Mimi Gao, Balasubramanian Harish, Melanie Berghaus, Rana Seymen, Loana Arns, Scott A. McCallum, Catherine A. Royer & Roland Winter. SCIENTIFIC REPORTS. 7: 9864. 2017.
	9	Exploiting amyloid: how and why bacteria use cross-β fibrils. Elizabeth B. Sawyer, Dennis Claessen, Sally L. Gras and Sarah Perrett. Biochemical Society Transactions Volume 40, part 4. 2012.
	10	Multi-step Conformation Selection in Amyloid Assembly. Ming-Chien Hsieh, Chen Liang, Anil K. Mehta, David G. Lynn and Martha A. Grover. Journal of the American Chemical Society. DOI: 10.1021/jacs.7b09362. 2017.

Prof. E. Pieragostini	**1**	**Drastic changes in conformational dynamics of the antiterminator M2-1 regulate transcription efficiency in Pneumovirinae**. eLife 3:e02674, 2014
	2	**Effects of potential neurotoxic pesticides on hearing loss: a review.** NEUROTOXICOLOGY Autore/i: Gatto MP,Fioretti M,Fabrizi G,Gherardi M,Strafella E,Santarelli L Editore: ELSEVIER BV:PO BOX 211, 1000 AE AMSTERDAM NETHERLANDS:011 31 20 4853757, 011 31 20 4853642, 011 31 20 4853641
	3	**A PGC1α-dependent myokine that drives browing of white fat and thermogenesis**. NATURE Autore/i: P.Bostrom, J.WU,M.P.Jedrychowki,A.Korde,L.Ye,J.C.Lo,K.A.Rasbach,E.A.Bostrom,J.H.Choi,J.Z.Long,S.Kajimura,M.C.Zingaretti,B.F.Vind,H. TU, S.Cinti,K.Jojlund,S.P.Gygi,B.M.Spiegelman Lingua: ENG https://iris.univpm.it/handle/11566/66360 Tipo di risorsa: Articolo su rivista Vol. 481(7382);
	4	**Influence of night-shift and napping at work on urinary melatonin, 17-β-estradiol and clock gene expression in pre-menopausal nurses.** JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS Autore/i: M. Bracci,A. Copertaro,N. Manzella,S. Staffolani,E. Strafella,L. Nocchi,M. Barbaresi,B. Copertaro,V. Rapisarda,M. Valentino,L. Santarelli Editore: WICHTIG EDITORE:VIA FRIULI 72 74
	5	**Occupational styrene exposure induces stress-responsive genes involved in cytoprotective and cytotoxic activities.** PLOS ONE Autore/i: E. Strafella,M. Bracci,S. Staffolani,N. Manzella,D. Giantomasi,M. Valentino,M. Amati,M.Tomasetti,L. Santarelli Editore: SAN FRANCISCO, CA : PUBLIC
	6	**Rotating shift-work as an independent risk factor for overweight Italian workers: a cross-sectional study PLOS ONE** Autore/i: Barbadoro P, Santarelli L, Croce N, Bracci M, Vincitorio D, Prospero E, Minelli A. Editore: SAN FRANCISCO, CA : PUBLIC LIBRARY OF SCIENCE
	7	**Styrene altered clock gene expression in serum-shocked cultured human fibroblasts.** BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY Autore/i: N. Manzella,M. Bracci,S. Staffolani,E. Strafella,V. Rapisarda,M. Valentino,M. Amati,A. Copertaro,L. Santarelli Editore: MARUZEN COMPANY LIMITED:PO BOX 5050,
	8	**Clinical significance of circulating miR-126 quantification in malignant mesothelioma patients** CLINICAL BIOCHEMISTRY Autore/i: M. Tomasetti, S. Staffolani, L. Nocchi, J. Neuzil, E. Strafella, N. Manzella, L. Mariotti, M. Bracci, M. Valentino, M. Amati, L. Santarelli. Editore: ELSEVIER SCIENCE LIMITED
	9	**Angiogenic effect induced by mineral fibres** TOXICOLOGY Autore/i: Carbonari D, Campopiano A, Ramires D, Strafella E, Staffolani S, Tomasetti M, Curini R, Valentino M, Santarelli L, Amati M. Editore: ELSEVIER SCIENCE IRELAND LIMITED
	10	Tomasetti,M. Amati,L. Nocchi,F. Saccucci,E. Strafella,S. Staffolani,L. M. Tarquini,D. Carbonari,R. Alleva,B. Borghi,J. Neuzil,M. Bracci,L. Santarelli Editore: OXFORD UNIVERSITY
Prof. S. Puce	**1**	Mendoza-Becerril, M. A., Marian, J. E. A., Migotto, A. E., & Marques, A. C. (2017). Exoskeletons of Bougainvilliidae and other Hydroidolina (Cnidaria, Hydrozoa): structure and composition. PeerJ, 5, e2964.
	2	Halsband, C., Majaneva, S., Hosia, A., Emaus, P. A., & Gaardsted, F. (2017). Jellyfish summer distribution, diversity and impact on fish farms in a Nordic fjord. Marine Ecology Progress Series.
	3	Gomes-Pereira, J. N., & Tempera, F. (2016). Hydroid gardens of Nemertesia ramosa (Lamarck, 1816) in the central North Atlantic. Marine Biodiversity, 46(1), 85-94.
	4	Hubot, Nathan, Cathy H. Lucas, and Stefano Piraino. "Environmental control of asexual reproduction and somatic growth of Aurelia spp.(Cnidaria, Scyphozoa) polyps from the Adriatic Sea." PloS one 12.6 (2017): e0178482.
	5	Goodheart, J. A., & Bely, A. E. (2017). Sequestration of nematocysts by divergent cnidarian predators: mechanism, function, and evolution. Invertebrate Biology, 136(1), 75-91.
	6	Campbell, M. L., King, S., Heppenstall, L. D., van Gool, E., Martin, R., & Hewitt, C. L. (2017). Aquaculture and urban marine structures facilitate native and non-indigenous species transfer through generation and accumulation of marine debris. Marine Pollution Bulletin, 123(1-2), 304-312.

	7	Rutz, C., Klump, B. C., Komarczyk, L., Leighton, R., Kramer, J., Wischnewski, S., ... & Switzer, R. A. (2016). Discovery of species-wide tool use in the Hawaiian crow. Nature, 537(7620), 403-407.
	8	Shaw, A. K. (2016). Drivers of animal migration and implications in changing environments. Evolutionary Ecology, 30(6), 991-1007.
	9	Bloch, G., Bar-Shai, N., Cytter, Y., & Green, R. (2017). Time is honey: circadian clocks of bees and flowers and how their interactions may influence ecological communities. Phil. Trans. R. Soc. B, 372(1734), 20160256.
	10	Brakes, P., & Dall, S. R. (2016). Marine Mammal Behavior: A Review of Conservation Implications. Frontiers in Marine Science, 3, 87.

Prof. A. Pusceddu	**1**	Ronowicz, M., Włodarska-Kowalczuk, M., & Kukliński, P. (2011). **Patterns of hydroid (Cnidaria, Hydrozoa) species richness and distribution in an Arctic glaciated fjord.** Polar biology, 34(10), 1437-1445.
	2	Brodie JF et al. (2015) **Secondary extinctions of biodiversit**y. Trends in Ecology and Evolution 29(12): 664-672
	3	Graham NAJ et al (2015) **Predicting climate-driven regime shifts versus rebound potential in coral reefs.** Nature, in press
	4	Bardgett et al (2014) **Belowground biodiversity and ecosystem functioning.** Nature 515: 505-511
	5	Wolkovich EM (2014) **Temporal ecology in the Anthropocene**. Ecology Letters 17:1365-1379
	6	McCauley DJ (2015) **Marine defaunation: Animal loss in the global ocean.** Science 347 1255641-1-7
	7	Mouillot D et al (2013) **Rare Species Support Vulnerable Functions in High-Diversity Ecosystems.** Plos Biology 11(5): e1001569.
	8	Romero et al (2014) **Ecosystem engineering effects on species diversity across ecosystems: a meta-analysis**. Biological Reviews, in press
	9	Raiter et al (2014) **Under the radar: mitigating enigmatic ecological impacts.** Trends in Ecology and Evolution 29, 635-644
	10	Mace et al (2014) **Approaches to defining a planetary boundary for biodiversity.** Global Environmental Change 28, 289-297
Prof. S. Rinaldi	**1**	Domelas et al (2014) **Assemblage Time Series Reveal Biodiversity** Change but Not Systematic Loss. Science 344, 296-299
	2	**Antimicrobial 14-Helical β-Peptides: Potent Bilayer Disrupting Agents**
	3	**Biomimetic N-Terminal Alkylation of Peptoid Analogues of Surfactant Protein C**
	4	**Biophysical Mimicry of Lung Surfactant Protein B by Random Nylon-3 Copolymers**
	5	**Inhibition of Herpes Simplex Virus Type 1 Infection by Cationic β-Peptides**
	6	**Rational Development of β-Peptide Inhibitors of Human Cytomegalovirus Entry**
	7	**Short Alkylated Peptoid Mimics of Antimicrobial Lipopeptides**
	8	**albicans**
	9	**Surface-immobilised antimicrobial peptoids**
	10	**Tuning the Biological Activity Profile of Antibacterial Polymers via Subunit Substitution Pattern**
Prof. A. Sabbatini	**1**	**Two interdependent mechanisms of antimicrobial activity allow for efficient killing in nylon-3-based polymeric mimics of innate immunity peptides**
	2	Gooday A.J. (2014). **Deep-sea benthic foraminifera**. Elsevier, pp. 1-20.
	3	Gooday A.J., Jorissen F.J. (2012). **Benthic Foraminiferal Biogeography: Controls on Global Distribution Patterns in Deep-Water Settings**. Annual Review of Marine Science 4:237-262.
	4	Levin L. A., Ekau W., Gooday A.J., Jorissen F., Middelburg J.J., Naqvi S.W.A., Neira C., Rabalais N.N., Zhang J. (2009). **Effects of natural and human-induced hypoxia on coastal benthos**. Biogeosciences 6:2063-2098.
	5	Knoll A.K. (2003). **Biomineralization and Evolutionary History.** Reviews in Mineralogy and Geochemistry 54, 329–356.
	6	Weiner S., Dove P.M. (2003). **An overview of biomineralization processes and the problems of the vital effect**. Reviews in Mineralogy and Geochemistry 54, 1–29.
	7	Erez J. (2003). **The source of ions for biomineralization in foraminifera and their implications for paleoceanographic proxies.** Reviews in Mineralogy and Geochemistry 54, 115–149.
	8	de Nooijer L.J., Spero H.J., Erez J., Bijma J., Reichart G.J. (2014). **Biomineralization in perforate foraminifera**. Earth-Science Reviews 135:48–58.
	9	Khanna N., Godbold J.A., Austin W.E.N., Paterson D.M. (2013). **The Impact of Ocean Acidification on the Functional Morphology of Foraminifera.** PLoSONE 8(12): e83118. doi:10.1371/journal.pone.0083118.
	10	Rosenthal Y., Linsley B. (2013). Mg/Ca and Sr/Ca **Paleothermometry from Calcareous Marine Fossils.** In: Paleoceanography, Physical and Chemical proxies. Elsevier, pp. 871-883.

Prof. D. Sartini	**1**	Lee J.J. (2006). **Algal symbiosis in larger foraminifera**. Symbiosis 42:63–75.
	2	**Human liver nicotinamide N-methyltransferase. cDNA cloning, expression, and biochemical characterization.** Aksoy S, Szumlanski CL, Weinshilboum RM. J Biol Chem. 1994 May 20;269(20):14835-40.
	3	**Human nicotinamide N-methyltransferase gene: molecular cloning, structural characterization and chromosomal localization.** Aksoy S, Brandriff BF, Ward A, Little PF, Weinshilboum RM. Genomics. 1995 Oct 10;29(3):555-61.
	4	Mouse liver nicotinamide N-methyltransferase: cDNA cloning, expression, and nucleotide sequence polymorphisms. Yan L, Otterness DM, Craddock TL, Weinshilboum RM. Biochem Pharmacol. 1997 Nov 15;54(10):1139-49.
	5	**Mouse nicotinamide N-methyltransferase gene: molecular cloning, structural characterization, and chromosomal localization**. Yan L, Otterness DM, Kozak CA, Weinshilboum RM. DNA Cell Biol. 1998 Aug;17(8):659-67.
	6	Human nicotinamide N-methyltransferase pharmacogenetics: gene sequence analysis and promoter characterization. Yan L, Otterness DM, Weinshilboum RM. Pharmacogenetics. 1999 Jun;9(3):307-16.
	7	**Enhanced expression of nicotinamide N-methyltransferase in human papillary thyroid carcinoma cells.** Xu J, Moatamed F, Caldwell JS, Walker JR, Kraiem Z, Taki K, Brent GA, Hershman JM. J Clin Endocrinol Metab. 2003 Oct;88(10):4990-6.
	8	**Activation of nicotinamide N-methyltransferase gene promoter by hepatocyte nuclear factor-1beta in human papillary thyroid cancer cells.** Xu J, Capezzone M, Xu X, Hershman JM. Mol Endocrinol. 2005 Feb;19(2):527-39.
	9	**Histone deacetylase inhibitor depsipeptide represses nicotinamide N-methyltransferase and hepatocyte nuclear factor-1beta gene expression in human papillary thyroid cancer cells**. Xu J, Hershman JM. Thyroid. 2006 Feb;16(2):151-60.
	10	YN, Kim JW, Park ST, Lee CW. Exp Mol Med. 2006 Oct 31;38(5):455-65.
Prof. G. Scarponi	**1**	**Metabolism: Cancer mistunes methylation**. Shlomi T, Rabinowitz JD. Nat Chem Biol. 2013 May;9(5):293-4.
	2	**Unmanned Air Vehicles for Coastal and Environmental Research** E. Pereira, R. Bencatel, J. Correia, L. Félix, G. Gonçalves, J. Morgado and J. Sousa *Journal of Coastal Research* Special Issue No. 56. Proceedings of the 10th International Coastal Symposium ICS 2009, Vol. II (2009), pp. 1557-1561
	3	**Robotics for environmental monitoring** Digital Object Identifier 10.1 109/MRA 2011.2181683 IEEE Robotics & Automation Magazine – March 2012
	4	**Silja Bogfjellmo, Hyperspectral Analysis of Plastic Particles in the Ocean, NTNU** Norwegian University of Science and Technology Faculty of Information Technology, Mathematics and Electrical Engineering Department of Electronics and Telecommunications; Trondheim, June 2016
	5	**Unmanned aerial vehicle measurements of volcanic carbon dioxide fluxes** A. J. S. McGonigle, A. Aiuppa, G. Giudice, G. Tamburello, A. J. Hodson, And S. Gurrieri Geophysical Research Letters, Vol. 35, L06303, Doi:10.1029/2007gl032508, 2008
	6	**UAVs for Smart Cities: Opportunities and Challenges** Farhan Mohammed, Ahmed Idries, Nader Mohamed, Jameela Al-Jaroodi, and Imad Jawhar College of Information Technology, UAE University, Al Ain, UAE University of Pittsburgh, Pittsburgh, USA 2014 International Conference on Unmanned
	7	**An Overview of Small Unmanned Aerial Vehicles for Air Quality Measurements: Present Applications and Future Prospectives** Tommaso Francesco Villa, Felipe Gonzalez, Branka Miljievic, Zoran D. Ristovski and Lidia Morawska Sensors 2016, 16, 1072; doi:10.3390/s16071072
	8	**Gas-Drone: portable Gas Sensing System on UAVs for Gas Leakage localization** Maurizio Rossi and Davide Brunelli, Andrea Adami and Leandro Lorenzelli**,** Fabio Menna and Fabio Remondino 978-1-4799-0162-3/14 2014 IEEE
	9	**Autonomous Gas Detection and Mapping With Unmanned Aerial Vehicles** Maurizio Rossi, *Student Member, IEEE* , and Davide Brunelli, *Member, IEEE* IEEE Transactions On Instrumentation And Measurement, Vol. 65, No. 4, April 2016
	10	**Marine litter abundance and distribution on beaches on the Isle of Rügen consideringthe influence of exposition, morphology and recreational activities** Elena Hengstmann, Dennis Gräwe, Matthias Tamminga, Elke Kerstin Fischer Marine Pollution Bulletin

Prof. A. Scirè	**1**	**Photogrammetry for environmental monitoring: The use of drones and hydrological models for detection of soil contaminated by copper** Alessandra Capolupo, Stefania Pindozzi, Collins Okello, Nunzio Fiorentino, Lorenzo Boccia Science of the Total Environment
	2	Bovine α1-acid glycoprotein, a thermostable version of its human counterpart: Insights from Fourier transform infrared spectroscopy and in silico modeling.
	3	furiosus. A Fourier-transform infrared spectroscopic study.
	4	The Association of α-Synuclein with Membranes Affects Bilayer Structure, Stability, and Fibril Formation.
	5	Lipid Binding Inhibits α-Synuclein Fibril Formation.
	6	Binding of α1-Acid Glycoprotein to Membrane Results in a Unique Structural Change and Ligand Release.
	7	thermal denaturation pathway of the proteins: an infrared spectroscopic study.
	8	Thermally Induced Fibrillar Aggregation of Hen Egg White Lysozyme.
	9	Insights into the structural properties of D-serine dehydratase from Saccharomyces cerevisiae: An FT-IR spectroscopic and in silico approach.
	10	Molten globule-like state of human serum albumin at low pH.
Prof. F. Tanfani	**1**	**Tracing nucleation pathways in protein aggregation by using small angle scattering methods** Riv. Soft Matter Vol. 7 Pag. 3906 2011 K. Vogtt, N. Javid, E. Alvarez, J. Sefcik and M. C. Bellissent-Funel vogtt2011.pdf
	2	**Fibrillation properties of human α_1-acid glycoprotein**
	3	**Importance of pH and disulfide bridges on the structural and binding properties of human a_1-acid glycoprotein**
	4	**A comparative infrared spectroscopic study of glucoside hydrolases from extremophilic archaea revealed different molecular mechanisms of adaptation to high temperatures**
	5	**Temperature-induced molten globule-like state in human a_1-acid glycoprotein: an infrared spectroscopic study.**
	6	**Turning pyridoxal-5´-phosphate-dependent enzymes into thermostable binding proteins: D-serine dehydratase from baker's yeast as a case study.**
	7	**Techniques to study amyloid fibril formation in vitro**
	8	**Protein aggregation and aggregate toxicity: new insights into protein folding, misfolding diseases and biological evolution**
	9	**Lipocalins in drug discovery: from natural ligand-binding proteins to 'anticalins'**
	10	**Sweet proteins – Potential replacement for artificial low calorie Sweeteners**

Prof. C. Totti	**1**	**Potential roles of abundant extracellular chaperones in the control of amyloid formation and toxicity**
	2	**The Evolution of Modern Eukaryotic Phytoplankton**. Falkowsky et al., 2004, Science.
	3	**Algal Phylogeny and the Origin of Land Plants**. Bhattacharya and Medlin, 1998, Plant Physiol.
	4	**The Puzzle of Plastid Evolution**. Archibald, 2009, Current Biology.
	5	**Streptophyte algae and the origin of embryophytes**. Becker and Marin, 2009, Annals of Botany.
	6	**Global phytoplankton decline over the past century** Boyce et al., 2010, Nature.
	7	**Changing concepts of a plant: current knowledge on plant diversity and evolution**. Inouye et al. 2005, Plant Biotechnology.
	8	**Dinoflagellates: a remarkable evolutionary experiment**. Hackett et al. 2004, American J. Botany.
	9	**Diversity and evolutionary history of plastids and their hosts** Keeling, 2004. American J. Botany.
	10	**Green algae and the origin of land plants**. Lewis et al., 2004, American J. Botany.
	11	**Health aspects of *Spirulina* (*Arthrospira*) microalga food supplement**. Sotiroudis Sotiroudis, 2013. J. Serb. Chem. Soc.
	12	**Regulation of shoot branching by auxin**. Leyser, 2003. TRENDS in Plant Science.
	13	**Life-cycle analysis and the ecology of biofuels**. Sarah C. Davis, Kristina J. Anderson-Teixeira and Evan H. DeLucia. Trends in Plant Science Vol.14 No.3 , 2008
	14	**Cell shape development in plants**. Mathur, 2004. TRENDS in Plant Science.
	15	**The circadian clocks of plants and cyanobacteria**. Kondo and Ishiura, 1999, TRENDS in Plant Science.
	16	**Double fertilization – caught in the act**. Berger et al., 2008, Trends in Plant Science.
Prof. C. Vignaroli	**1**	**Resin-based defenses in conifers**. Phillips and Croteau, 1999. Trends in Plant Science.
	2	**Genome sequencing of environmental *Escherichia coli* expands understanding of the ecology and speciation of the model bacterial species** Luo C., Walk S.T., Gordon D.M., Feldgarden M., Tiedje J.M., Konstantinidis K.T. *PNAS USA, 2011, 108: 7200–7205.*
	3	***Enterococcus faecalis* of human and poultry origin share virulence genes supporting the zoonotic potential of *E. faecalis*** Olsen R.H., Schønheyder H. C., Christensen H. and Bisgaard M. *Zoonoses and Public Health, 2012, 59: 256–263.*
	4	**Origins of the *Escherichia coli* strain causing an outbreak of hemolytic–uremic syndrome in Germany** Rasko D.A., Webster D.R., Sahl J.W., Bashir A. *et al. New England Journal of Medicine, 2011, 365: 709–717.*
	5	**High prevalence of aggregative adherent *Escherichia coli* strains in the mucosa-associated microbiota of patients with inflammatory bowel diseases** Thomazini C.M., Samegima D.A.G., Rodrigues M.A.M., Victoria C.R., Rodrigues J. *International Journal of Medical Microbiology, 2011, 301: 475– 479.*
	6	**Methane- and sulfur-metabolizing microbial communities dominate the Lost City hydrothermal field ecosystems** Brazelton W.J., Schrenk M.O., Kelley D.S., Baross J.A. *Applied and Environmenta Microbiology, 2006, 72: 6257–6270.*
	7	**Characterisation of *qnr* plasmid-mediated quinolone resistance in Enterobacteriaceae from Italy: association of the *qnrB19* allele with the integrin element IS*CR1* in *Escherichia coli*** Richter S.N., Frasson I., Bergo C., Manganelli R., Cavallaro A., Palù G. *International Journal of Antimicrobial Agents,*
	8	**In vitro selection of resistance in *Escherichia coli* and *Klebsiella* spp. at *in vivo* fluoroquinolone concentrations** Drago L., Nicola L., Mattina R., De Vecchi E. *BMC Microbiology, 2010, 10: 119.*
	9	**The Clermont *Escherichia coli* phylo-typing method revisited: improvement of specificity and detection of new phylo-groups** Clermont O., Christenson J.K., Denamur E., Gordon D.M. *Environmental Microbiology Reports, 2013, 5: 58–65.*
	10	**Identification of capsule, biofilm, lateral flagellum, and type IV pili in *Vibrio mimicus* strains** Tercero-Alburo J.J., Gonzalez-Marquez H., Bonilla-Gonzalez E., Quinones-Ramírez E.I., Vazquez-Salinas C. *Microbial Pathogenesis, 2014, 76: 77-83.*

		Expression of cellulose and curli fimbriae by *Escherichia coli* isolated from the gastrointestinal Tract Bokranz W., Wang X., Tschape H., Romling U. *Journal of Medical Microbiology, 2005, 54: 1171–1182*