

Laurea Triennale in "SCIENZE BIOLOGICHE"

REFERENTE	TITOLO ARTICOLO
Prof. T. Bacchetti	1 Advanced glycation endproducts in food and their effects on health Food and Chemical Toxicology 60 (2013) 10–37
	2 Chocolate—Guilty Pleasure or Healthy Supplement? J Clin Hypertens 2014;16:101–106.
	3 Glycemic index: is it a predictor of metabolic and vascular disorders? Curr Opin Clin Nutr Metab Care 2014, 17:373–378
	4 HDL Hypothesis:Where Do We Stand Now? Curr Atheroscler Rep (2014) 16:398
	5 What are lipoproteins doing in the brain? Trends in Endocrinology and Metabolism, (2014)25 (1): 8-14
	6 Update on Lipoprotein(a) as a Cardiovascular Risk Factor and Mediator Curr Atheroscler Rep (2013) 15:360
	7 Basic biochemical mechanisms behind the health benefits of polyphenols Molecular Aspects of Medicine 31 (2010) 435–445
	8 Possible effects of dietary polyphenols on sugar absorption and digestion Mol. Nutr. Food Res. 2013, 57, 48–57
	9 Apolipoprotein M: bridging HDL and endothelial function Curr Opin Lipidol 2013, 24:295–300
	10 Dietary constituents of broccoli and other cruciferous vegetables: Implicationsfor prevention and therapy of cancer Cancer Treatment Reviews 36 (2010) 377–383
Prof. M. Barucca	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.
	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, Ngho 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.yggen.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 . JOURNAL 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 (<i>Thunnus thynnus</i>) . 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., Davout D., Dyson K., Frascchetti 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, <i>in press</i> .
	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	Frascchetti 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, <i>in press</i> .
	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., Rijdsdijk K.F., Sanmartín 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 <i>Ptychodera flava</i>. 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 <i>Tribolium castaneum</i>. 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 <i>Donax trunculus</i>. 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 hyloidid 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., Scharl M. 2013. Characterization of sex determination and sex differentiation genes in <i>Latimeria</i>. 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., Scharl 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., Adegas F., Meštović N., Plohl M., Chaves R. 2014. Evolutionary story of a satellite DNA from <i>Phodopus sungorus</i> (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 <i>Foxl2</i> 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 Huarte ^{1,2} and John L. Rinn ^{1,2,*}
	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. <i>Differentiation</i> . (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. <i>Differentiation</i> . (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 <i>Regen Med</i> . (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. <i>Stem Cell Research & Therapy</i> . (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. <i>Science</i> (2007) 318: 1917-1920
	6	Bone Tissue Engineering: Recent Advances and Challenges. Amini AR, Laurencin CT, Nukavarapu SP. <i>Crit Rev Biomed Eng</i> . (2012) 40(5): 363–408.
	7	Using human umbilical cord cells for tissue engineering: A comparison with skin cells Hayward CJ, Fradette J, Morissette Martin P, Guignard R, Germain L, Auger FA <i>Differentiation</i> (2014) 87: 172–181.
	8	Tissue-Engineered Heart Valve: future of cardiac surgery. Rippel RA , Ghanbari H, Seifalian AM. <i>World J Surg</i> (2012) 36:1581–1591 DOI 10.1007/s00268-012-1535-y
	9	Tissue engineering of blood vessel. Zhang WJ, Liu W, Cui L, Cao J Y. <i>Cell. Mol. Med.</i> (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. <i>J Tissue Eng Regen Med</i> (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 <i>Halipteris finmarchica</i> (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, José Luis Carballo, Manuel Maldonado. 2014. Abundance and reproductive patterns of the excavating sponge <i>Cliona vermifera</i> : 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 <i>Zygochlamys patagonica</i> (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 <i>Starmerella bacillaris</i> (synonym <i>Candida zemplinina</i>) 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 <i>Saccharomyces cerevisiae</i> 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 <i>Brettanomyces bruxellensis</i>. 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 <i>Williopsis saturnus</i> 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. Veeranjanya Reddy, Y. Harish Kumar Reddy, L. Prasanna Anjaneya Reddy, O. Vijaya Sarathi Reddy. Wine production by novel yeast biocatalyst prepared by immobilization on watermelon (<i>Citrullus vulgaris</i>) 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 <i>Pseudomonas</i> and <i>Rhodococcus</i> 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 (<i>Pichia stipitis</i> and <i>Zymomonas mobilis</i>) 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 <i>Saccharomyces cerevisiae</i> and <i>Pichia stipites</i>. 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- κ B 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	PPAR β / 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 <i>Tanigawa et al., BMC Complementary and Alternative Medicine 2014, 14:133</i>
	2	Combination of Selenium and Green Tea Improves the Efficacy of Chemoprevention in a Rat Colorectal Cancer Model by Modulating Genetic and Epigenetic Biomarkers <i>Hu Y. et al., PLOS ONE, 2013, Volume 8, Issue 5, e64362</i>
	3	Effective Photoprotection of Human Skin against Infrared A Radiation by Topically Applied Antioxidants: Results from a Vehicle Controlled, Double-Blind, Randomized Study <i>Grether-Beck S. et al., Photochemistry and Photobiology, 2015, 91: 248–250</i>
	4	Evaluation of the protective effect of <i>Ilex paraguariensis</i> and <i>Camellia sinensis</i> extracts on the prevention of oxidative damage caused by ultraviolet radiation <i>Barg M. et al. Environmental toxicology and pharmacology 37 (2014) 195–201</i>
	5	Green tea polyphenol, (-)-epigallocatechin-3-gallate, induces toxicity in human skin cancer cells by targeting β -catenin signaling <i>Singh T. et al., Toxicol Appl Pharmacol. 2013 December 1; 273(2): doi:10.1016/j.taap.2013.09.021</i>
	6	Green tea polyphenol epigallocatechin-3-gallate suppresses melanoma growth by inhibiting inflammasome and IL-1 β secretion <i>Ellis L. et al. Biochem Biophys Res Commun. 2011 October 28; 414(3): 551–556. doi:10.1016/j.bbrc.2011.09.115.</i>
	7	Inhibition of UVB-induced non melanoma skin cancer: A path from tea to caffeine to exercise to decreased tissue fat <i>Conney A.H. et al. Top Curr Chem. 2013 ; 329: 61–72. doi:10.1007/128_2012_336.</i>
	8	Photoprotective efficacy and photostability of fifteen sunscreen products having the same label SPF subjected to natural sunlight <i>Hojerova J. et al. International Journal of Pharmaceutics 408 (2011) 27–38</i>
	9	Photostability of Cosmetic UV Filters on Mammalian Skin Under UV Exposure <i>Stiefel C. et al. Photochemistry and Photobiology, 2015, 91: 84–91</i>
	10	Research on the immunosuppressive activity of ingredients contained in sunscreens <i>Frikeche J. et al. Arch Dermatol Res, 2015 DOI 10.1007/s00403-014-1528-9</i>

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 (<i>Squaliolus aliae</i>) photophores Julien M. Claes, Hsuan-Ching Ho and Jérôme Malfet 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 Horvath, Zsolt Torok, Mària Péter, Elfrieda Fodor, Tibor Pàli, Sàndor Benko, Tiziana Parasassi, Marco De Spirito, John L. Harwood, Laszlo Vigh 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. Stanley PLoS 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 Iburguren , Félix M. 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 PANCRIZIO, 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, <i>Gillichthys mirabilis</i> Nishad Jayasundara, and George N. Somero Journal of Experimental Biology 216, 2111-2121, 2013
	10	Relationship between the Antioxidant Capacity and Effect of Rosemary (<i>Rosmarinus officinalis</i> L.) Polyphenols on Membrane Phospholipid Order Laura Perez-Fons, Maria T. Garzon Agric. 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, Airoidi 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 Beerli, 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 <i>Hydrilla verticillata</i> 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 <i>Chlamydomonas reinhardtii</i> and Identification of an Associated Regulatory Factor1[C][W] Munever 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 <i>Chlamydomonas</i> : 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. <i>Eur. J. Clin. Microbiol. Infect. Dis.</i> (2010) 29: 1237–1241
	2	Assessment of linezolid resistance mechanisms among <i>Staphylococcus epidermidis</i> causing bacteraemia in Rome, Italy. Rodrigo E. Mendes, Lalitagauri M. Deshpande, David J. Farrell, Teresa Spanu, Giovanni Fadda and Ronald N. Jones. <i>J. Antimicrob. Chemother.</i> (2010) 65: 2329–2335
	3	Diagnosis of Whooping Cough in Switzerland: Differentiating <i>Bordetella pertussis</i> from <i>Bordetella holmesii</i> 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. <i>PLOS ONE</i> (2014) 9: e88936
	4	The antibacterial activity of honey against coagulase-negative staphylococci. V. M. French, R. A. Cooper and P. C. Molan. <i>J. Antimicrob. Chemother.</i> (2005) 56: 228–231
	5	Emergence of Respiratory <i>Streptococcus agalactiae</i> Isolates in Cystic Fibrosis Patients Vera Eickel, Barbara Kahl, Beatrice Reinisch, Angelika Dubbers, Peter Kuster, Claudia Brandt, Barbara Spellerberg <i>PLOS ONE</i> (2009) 4: e4650
	6	What causes decreased erythromycin resistance in <i>Streptococcus pyogenes</i> ? Dynamics of four clones in a southern European region from 2005 to 2012. Montes M, Tamayo E, Mojiica C, García-Arenzana JM, Esnal O, Pérez-Trallero E. <i>J. Antimicrob. Chemother.</i> (2014)69: 1474-82.
	7	Lysogenic Transfer of <i>mef(A)</i> and <i>tet(O)</i> 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. <i>Antimicrob. Agents Chemoter.</i> (2010) 54: 4464–4466.
	8	Genetic diversity of <i>Streptococcus suis</i> 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. <i>Eurosurveillance</i> (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 <i>Antimicrob. Agents Chemother.</i> (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. <i>J. Antimicrob. Chemother.</i> (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., Wiegraeb 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	Briño-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. <i>Development</i> 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 <i>Drosophila</i> Embryos. <i>PLoS ONE</i> 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 <i>Danio rerio</i> Development by the Modulation of Maternal Factors Involved in Autophagic, Apoptotic and Dorsalizing Processes. <i>Cell Physiol Biochem</i> 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. <i>Develop. Growth Differ.</i> (2015)
	7	Mizoguchi BA1, Valenzuela N. Ecotoxicological Perspectives of Sex Determination. <i>Sex Dev.</i> 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. <i>Biol Open.</i> 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. <i>Reprod Toxicol.</i> 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 (<i>Danio rerio</i>). <i>Comp Biochem Physiol C Toxicol Pharmacol.</i> 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. <i>Bioessays.</i> 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. Bowie ¹ - NATURE, Vol 438, 581, 2005
	4	Membrane curvature and mechanisms of dynamic cell membrane remodeling - Harvey T. McMahon ¹ & Jennifer L. Gallop ¹ - NATURE Vol 438, 590, 2005
	5	Amyloid Formation on Lipid Membrane Surfaces - Paavo K.J. Kinnunen - The Open Biology Journal, 2009, 2, 163-175
	6	Bacterial protein toxins and lipids: pore formation or toxin entry into cells - Blandine Geny and Michel R. Popoff ¹ -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 Pablo ^{1,2,3} - THE JOURNAL OF CHEMICAL PHYSICS 138, 155101 (2013)
	8	High throughput protein production for functional proteomics - Pascal Braun ¹ 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. <i>Biotechnology Advances</i> 30: 1405–1424
	2	Egan S, Harder T, Burke C, Steinberg P, Kjelleberg S, Torsten T 2013. The seaweed holobiont: understanding seaweed–bacteria interactions. <i>FEMS Microbiol Rev</i> 37: 462–476.
	3	Barber J, Tran PD. 2013. From natural to artificial photosynthesis. <i>J R Soc Interface</i> 10: 20120984.
	4	Raven AJ 2013. Iron acquisition and allocation in stramenopile algae. <i>Journal of Experimental Botany</i> 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 pCO₂ synergistically affect carbon allocation, growth and morphology of the coccolithophore <i>Emiliana huxleyi</i> : potential implications of ocean acidification for the carbon cycle. <i>Global Change Biology</i> , 18: 493–503.
	6	Assmy P, Smetacek V, Montresor M, Klaas C, Henjes J, Strass VH, Arrieta JM, Bathmann U, Berg GM, Breitbart E, Cisewski B, Friedrichs L, Fuchs N, Herndl GJ, Jansen S, Krägersky 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. <i>PNAS</i> 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. <i>Phil. Trans. R. Soc. B</i> : 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 <i>Phaeodactylum tricornutum</i> under nitrogen stress. <i>PNAS</i> 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 <i>Symbiodinium</i> symbioses. <i>Biological Reviews</i> , 87: 804–821.
	10	Niyogi KK, Truong TB 2013. Evolution of flexible non-photochemical quenching mechanisms that regulate light harvesting in oxygenic photosynthesis, <i>Current Opinion in Plant Biology</i> , 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 <i>Biological Conservation</i> 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 <i>Aquaculture</i> 315 (2011) 155–166
	3	Design criteria for recirculating, marine ornamental production systems Craig A. Watson *, Jeffrey E. Hill <i>Aquacultural Engineering</i> 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 <i>Environmental Science & Policy</i> 55 (2016) 96–106
	5	Preserved copepods as a new technology for the marine ornamental fish aquaculture: A feeding study I. Olivotto, N.E. Togle, V. Nozzi, L. Cossignani, O. Carnevali <i>Aquaculture</i> 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., <i>J. Med. Chem.</i> 2015 , <i>58</i> , 222-236.
	2	PNA-encoded chemical libraries. Zambaldo C. et al., <i>Curr. Opin. Chem. Biol.</i> 2015 , <i>26</i> , 8-15.
	3	Metallopeptide catalysts and artificial metalloenzymes containing unnatural amino acids. Lewis J.C., <i>Curr. Opin. Chem. Biol.</i> 2015 , <i>25</i> , 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., <i>Chem. & Biol.</i> 2004 , <i>11</i> , 389-395.
	5	Synthesis and anti-HIV-1 activity of the conjugates of gossypol with oligopeptides and D-glucosamine. Yang J. et al., <i>Chin. Chem. Lett.</i> 2014 , <i>25</i> , 1052-1056.
	6	Synthesis and antiviral activities of novel gossypol derivatives. Yang J. et al., <i>Bioorg. Med. Chem. Lett.</i> 2012 , <i>22</i> , 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., <i>Antivir. Res.</i> 2012 , <i>94</i> , 276-287.
	8	Biocompatible hydrogels by oxime Click Chemistry. Grover G. N. et al., <i>Biomacromolecules</i> 2012 , <i>13</i> , 3013–3017.
	9	Stapling of a 310-Helix with Click Chemistry. Jacobsen \emptyset . et al., <i>J. Org. Chem.</i> 2011 , <i>76</i> , 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., <i>PNAS</i> 2013 , <i>110</i> , 1315-1320.
	11	Exploring RNA transcription and turnover in vivo by using click chemistry. Jao C. Y., <i>PNAS</i> 2008 , <i>105</i> , 15779-15784.
	12	Copper-free click chemistry in living animals. Bertozzi C.R., <i>PNAS</i> 2010, <i>107</i> , 1821-1826.
Prof. M.G. Ortore	1	Molecular Structure of β-Amyloid Fibrils in Alzheimer's Disease Brain Tissue. Cell 154, 1257–1268, 2013
	2	Probing the Conformation of FhaC with Small-Angle Neutron Scattering and Molecular Modeling. Biophysical Journal 107, 185-196, 2014
	3	Human Hsp60 with Its Mitochondrial Import Signal Occurs in Solution as Heptamers and Tetradecamers Remarkably Stable over a Wide Range of Concentrations. Plos One 9, 5, e97657, 2014
	4	Lysozyme interaction with negatively charged lipid bilayers: protein aggregation and membrane fusion. Soft Matter 8, 4524, 2012
	5	High Stability and Cooperative Unfolding of α-Synuclein Oligomers. Biochemistry 53, 6252–6263. 2014
	6	Combined SAXS/EM Based Models of the <i>S. elongatus</i> Post-Translational Circadian Oscillator and its Interactions with the Output His-Kinase SasA. Plos One 6, Issue 8, e23697. 2011
	7	Photo-inhibition of Aβ fibrillation mediated by a newly designed fluorinated oxadiazole. RSC Advances. DOI: 10.1039/C4RA13556C 2015
	8	Human Mitochondrial Hsp70 (Mortalin): Shedding Light on ATPase Activity, Interaction with Adenosine Nucleotides, Solution Structure and Domain Organization. Plos One DOI:10.1371/journal.pone.0117170 2015
	9	How Random are Intrinsically Disordered Proteins? A Small Angle Scattering Perspective. Current Protein and Peptide Science 13, 55-75. 2012
	10	Drastic changes in conformational dynamics of the antiterminator M2-1 regulate transcription efficiency in Pneumovirinae. eLife 3:e02674, 2014

Prof. E. Pieragostini	1	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
	2	A PGC1α-dependent myokine that drives browning 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); 2012 Da pag. 463 a pag. 468
	3	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
	4	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 LIBRARY OF SCIENCE
	5	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
	6	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,
	7	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
	8	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
	9	Asbestos exposure affects poly(ADP-ribose) polymerase-1 activity: role in asbestos-induced carcinogenesis. MUTAGENESIS Autore/i: M. 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
	10	Breast cancer and circadian disruption from electric lighting in the modern world. CA: A CANCER JOURNAL FOR CLINICIANS Autore/i: R.G.Stevens,G.C.Brainard,D.E.Brask,S.W.Lockley,M.E.Motta Lingua: ENG Tipo di risorsa: Articolo su rivista Vol. 00; 2013 Da pag. 1 a pag. 13
Prof. S. Puce	1	Wollschlager, J., Folino-Rorem, N., & Daly, M. (2013). Nematocysts of the Invasive Hydroid <i>Cordylophora caspia</i> (Cnidaria: Hydrozoa). The Biological Bulletin, 224(2), 99-109.
	2	Orejas, C., Rossi, S., Peralba, À., García, E., Gili, J. M., & Lippert, H. (2013). Feeding ecology and trophic impact of the hydroid <i>Obelia dichotoma</i> in the Kongsfjorden (Spitsbergen, Arctic). Polar biology, 36(1), 61-72.
	3	Bettim, A. L., & Haddad, M. A. (2013). First record of endoparasitism of Pycnogonida in Hydrozoan polyps (Cnidaria) from the Brazilian coast. Biota Neotropica, 13(2), 319-325.
	4	Jaubet, M. L., & Genzano, G. N. (2011). Seasonality and reproductive periods of the hydroid <i>Clytia gracilis</i> in temperate littoral ecosystems. Is asexual reproduction the prime mechanism in maintaining populations?. Marine Biology Research, 7(8), 804-811.
	5	Purcell, J. E. (2012). Jellyfish and ctenophore blooms coincide with human proliferations and environmental perturbations. Annual Review of Marine Science, 4, 209-235.
	6	Brinckmann-Voss, A., & Calder, D. R. (2013). <i>Zyzyzus rubusidaeus</i> (Cnidaria, Hydrozoa, Tubulariidae), a new species of anthoathecate hydroid from the coast of British Columbia, Canada. Zootaxa, 3666(3), 389-397.
	7	Calder, D. R., Choong, H. H., Carlton, J. T., Chapman, J. W., Miller, J. A., & Geller, J. (2014). Hydroids (Cnidaria: Hydrozoa) from Japanese tsunami marine debris washing ashore in the northwestern United States. Aquatic Invasions, 9(4), 425-440.

8	Guerrero, E., Gili, J. M., Rodriguez, C., Araujo, E. M., Canepa, A., Calbet, A., Genzano G., Mianzan H. & González, R. A. (2013). Biodiversity and distribution patterns of planktonic cnidarians in San Matías Gulf, Patagonia, Argentina . <i>Marine Ecology</i> , 34(s1), 71-82.
9	Meek, M. H., Wintzer, A. P., Wetzel, W. C., & May, B. (2012). Climate change likely to facilitate the invasion of the non-native hydroid, <i>Cordylophora caspia</i> , in the San Francisco estuary. <i>PLoS one</i> , 7(10), e46373.
10	Ronowicz, M., Włodarska-Kowalczyk, M., & Kukliński, P. (2011). Patterns of hydroid (Cnidaria, Hydrozoa) species richness and distribution in an Arctic glaciated fjord . <i>Polar biology</i> , 34(10), 1437-1445.

Prof. A. Pusceddu	1	Brodie JF et al. (2015) Secondary extinctions of biodiversity . Trends in Ecology and Evolution 29(12): 664-672
	2	Graham NAJ et al (2015) Predicting climate-driven regime shifts versus rebound potential in coral reefs . Nature, in press
	3	Bardgett et al (2014) Belowground biodiversity and ecosystem functioning . Nature 515: 505-511
	4	Wolkovich EM (2014) Temporal ecology in the Anthropocene . Ecology Letters 17:1365-1379
	5	McCauley DJ (2015) Marine defaunation: Animal loss in the global ocean . Science 347 1255641-1-7
	6	Mouillot D et al (2013) Rare Species Support Vulnerable Functions in High-Diversity Ecosystems . Plos Biology 11(5): e1001569.
	7	Romero et al (2014) Ecosystem engineering effects on species diversity across ecosystems: a meta-analysis . Biological Reviews, in press
	8	Raiter et al (2014) Under the radar: mitigating enigmatic ecological impacts . Trends in Ecology and Evolution 29, 635-644
	9	Mace et al (2014) Approaches to defining a planetary boundary for biodiversity . Global Environmental Change 28, 289-297
	10	Domelas et al (2014) Assemblage Time Series Reveal Biodiversity Change but Not Systematic Loss . Science 344, 296-299
Prof. S. Rinaldi	1	Antimicrobial 14-Helical β-Peptides: Potent Bilayer Disrupting Agents
	2	Biomimetic N-Terminal Alkylation of Peptoid Analogues of Surfactant Protein C
	3	Biophysical Mimicry of Lung Surfactant Protein B by Random Nylon-3 Copolymers
	4	Inhibition of Herpes Simplex Virus Type 1 Infection by Cationic β-Peptides
	5	Rational Development of β-Peptide Inhibitors of Human Cytomegalovirus Entry
	6	Short Alkylated Peptoid Mimics of Antimicrobial Lipopeptides
	7	albicans
	8	Surface-immobilised antimicrobial peptoids
	9	Tuning the Biological Activity Profile of Antibacterial Polymers via Subunit Substitution Pattern
	10	Two interdependent mechanisms of antimicrobial activity allow for efficient killing in nylon-3-based polymeric mimics of innate immunity peptides
Prof. A. Sabbatini	1	Gooday A.J. (2014). Deep-sea benthic foraminifera . Elsevier, pp. 1-20.
	2	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.
	3	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.
	4	Knoll A.K. (2003). Biomineralization and Evolutionary History . Reviews in Mineralogy and Geochemistry 54, 329–356.
	5	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.
	6	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.
	7	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.
	8	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.
	9	Rosenthal Y., Linsley B. (2013). Mg/Ca and Sr/Ca Paleothermometry from Calcareous Marine Fossils . In: Paleocyanography, Physical and Chemical proxies, Elsevier, pp. 871-883.
	10	Lee J.J. (2006). Algal symbiosis in larger foraminifera . Symbiosis 42:63–75.

Prof. D. Sartini	1	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.
	2	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.
	3	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.
	4	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.
	5	Human nicotinamide N-methyltransferase pharmacogenetics: gene sequence analysis and promoter characterization. Yan L, Otterness DM, Weinshilboum RM. Pharmacogenetics. 1999 Jun;9(3):307-16.
	6	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.
	7	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.
	8	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.
	9	Overexpression of nicotinamide N-methyltransferase in gastric cancer tissues and its potential post-translational modification. Lim BH, Cho BI, Kim YN, Kim JW, Park ST, Lee CW. Exp Mol Med. 2006 Oct 31;38(5):455-65.
	10	Metabolism: Cancer mistunes methylation. Shlomi T, Rabinowitz JD. Nat Chem Biol. 2013 May;9(5):293-4.
Prof. A. Scire	1	Bovine α 1-acid glycoprotein, a thermostable version of its human counterpart: Insights from Fourier transform infrared spectroscopy and in silico modeling.
	2	High hydrostatic pressure-induced conformational changes in protein disulfide oxidoreductase from the hyperthermophilic archaeon Pyrococcus furiosus. A Fourier-transform infrared spectroscopic study.
	3	The Association of α -Synuclein with Membranes Affects Bilayer Structure, Stability, and Fibril Formation.
	4	Lipid Binding Inhibits α -Synuclein Fibril Formation.
	5	Binding of α 1-Acid Glycoprotein to Membrane Results in a Unique Structural Change and Ligand Release.
	6	Structural and thermal stability analysis of Escherichia coli and Alicyclobacillus acidocaldarius thioredoxin revealed a molten globule-like state in thermal denaturation pathway of the proteins: an infrared spectroscopic study.
	7	Thermally Induced Fibrillar Aggregation of Hen Egg White Lysozyme.
	8	Insights into the structural properties of D-serine dehydratase from Saccharomyces cerevisiae: An FT-IR spectroscopic and in silico approach.
	9	Molten globule-like state of human serum albumin at low pH.
	10	The acid-induced state of glucose oxidase exists as a compact folded intermediate

Prof. F. Spinozzi	1	Small-angle neutron scattering study of protein unfolding and refolding Riv. Physical Review E Vol. 80 Pag. 11924 - 11929 Ed. 2009 V. K. Aswal, S. Chodankar, J. Kohlbrecher, R. Vavrin and A. G. Wagh aswal2009.pdf
	2	Structural analysis of intrinsically disordered proteins by small-angle X-ray scattering Riv. Mol. Biosyst. Vol. 8 Pag. 151 - 167 Ed. 2012 P. Bernado and D. I. Svergun bernardo2012.pdf
	3	Protein structural dynamics in solution unveiled via 100-ps time-resolved x-ray scattering Riv. Pnas Vol. 107 Pag. 7281- 7286 Ed. 2010 H. S. Cho , N. Dashdorj, F. Schotte , T. Graber, R. Henning and P. Anfinrud cho2010.pdf
	4	Coarse-grained models of protein folding: toy models or predictive tools? Riv. Current Opinion In Structural Biology Vol. 18 Pag. 10 – 15 Ed. 2008 C. Clementi clementi2008.pdf
	5	Comparative Studies of Disordered Proteins with Similar Sequences: Application to Ab40 and Ab42 Riv. Biophysical Journal Vol. 104 Pag. 1546 - 1555 Ed. 2013 C. K. Fisher, O. Ullman and C. M. Stultz fisher2013.pdf
	6	Impact and progress in small and wide angle X-ray scattering (SAXS and WAXS) Riv. Current Opinion In Structural Biology Vol. 23 Pag. 748 – 754 Ed. 2013 M. A. Graewert and D. I. Svergun graewert2013.pdf
	7	Robust, high-throughput solution structural analyses by small angle X-ray scattering (SAXS) Riv. Nature Methods Vol. 6 Pag 606 – 613 Ed. 2009 G. L. Hura and A. L. Menon and M. Hammel and R. P. Rambo and F. L. Poole and S. E. Tsutakawa and F. E. Jenney and S. Classen and K. A. Frankel and R. C. Hopkins and S. J. Yang and J. W. Scott and B. D. Dillard and M. W. Adams and J. A. Tainer hura2009.pdf
	8	Predictive Atomic Resolution Descriptions of Intrinsically Disordered hTau40 and a-Synuclein in Solution from NMR and Small Angle Scattering Riv. Structure Vol. 22 Pag. 1 – 12 Ed. 2014 M. Schwalbe, V. Ozenne, S. Bibow, M. Jaremko, L. Jaremko, M. Gajda, M. R. Jensen, J. Biernat, S. Becker, E. Mandelkow, M. Zweckstetter And M. Blackledge schwalbe2014.pdf
	9	A Helical Structural Nucleus Is the Primary Elongating Unit of Insulin Amyloid Fibrils Riv. Plos Biology Vol. 5 Pag. e132 Ed. 2007 B. Vestergaard, M. Groenning, M. Roessle, J. S. Kastrop, M. van de Weert, J. M. Flink, S. Frokjaer, M. Gajhede and D. I. Svergun vestergaard2007.pdf
	10	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
Prof. F. Tanfani	1	Fibrillation properties of human α_1-acid glycoprotein
	2	Importance of pH and disulfide bridges on the structural and binding properties of human α_1-acid glycoprotein
	3	A comparative infrared spectroscopic study of glucoside hydrolases from extremophilic archaea revealed different molecular mechanisms of adaptation to high temperatures.
	4	Temperature-induced molten globule-like state in human α_1-acid glycoprotein: an infrared spectroscopic study.
	5	Turning pyridoxal-5'-phosphate-dependent enzymes into thermostable binding proteins: D-serine dehydratase from baker's yeast as a case study.
	6	Techniques to study amyloid fibril formation in vitro
	7	Protein aggregation and aggregate toxicity: new insights into protein folding, misfolding diseases and biological evolution
	8	Lipocalins in drug discovery: from natural ligand-binding proteins to 'anticalins'
	9	Sweet proteins – Potential replacement for artificial low calorie Sweeteners
	10	Potential roles of abundant extracellular chaperones in the control of amyloid formation and toxicity

Prof. C. Totti	1	The Evolution of Modern Eukaryotic Phytoplankton. Falkowsky et al., 2004, Science.
	2	Algal Phylogeny and the Origin of Land Plants. Bhattacharya and Medlin, 1998, Plant Physiol.
	3	The Puzzle of Plastid Evolution. Archibald, 2009, Current Biology.
	4	Streptophyte algae and the origin of embryophytes. Becker and Marin, 2009, Annals of Botany.
	5	Global phytoplankton decline over the past century Boyce et al., 2010, Nature.
	6	Changing concepts of a plant: current knowledge on plant diversity and evolution. Inouye et al. 2005, Plant Biotechnology.
	7	Dinoflagellates: a remarkable evolutionary experiment. Hackett et al. 2004, American J. Botany.
	8	Diversity and evolutionary history of plastids and their hosts Keeling, 2004. American J. Botany.
	9	Green algae and the origin of land plants. Lewis et al., 2004, American J. Botany.
	10	Health aspects of <i>Spirulina (Arthrospira)</i> microalga food supplement. Sotiroudis Sotiroudis, 2013. J. Serb. Chem. Soc.
	11	Regulation of shoot branching by auxin. Leyser, 2003. TRENDS in Plant Science.
	12	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.
	13	Cell shape development in plants. Mathur, 2004. TRENDS in Plant Science.
	14	The circadian clocks of plants and cyanobacteria. Kondo and Ishiura, 1999, TRENDS in Plant Science.
	15	Double fertilization – caught in the act. Berger et al., 2008, Trends in Plant Science.
	16	Resin-based defenses in conifers. Phillips and Croteau, 1999. Trends in Plant Science.
Prof. C. Vignaroli	1	Genome sequencing of environmental <i>Escherichia coli</i> 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. <i>PNAS USA</i> , 2011, 108: 7200–7205.
	2	<i>Enterococcus faecalis</i> of human and poultry origin share virulence genes supporting the zoonotic potential of <i>E. faecalis</i> Olsen R.H., Schønheyder H. C., Christensen H. and Bisgaard M. <i>Zoonoses and Public Health</i> , 2012, 59: 256–263.
	3	Origins of the <i>Escherichia coli</i> strain causing an outbreak of hemolytic–uremic syndrome in Germany Rasko D.A., Webster D.R., Sahl J.W., Bashir A. <i>et al. New England Journal of Medicine</i> , 2011, 365: 709–717.
	4	High prevalence of aggregative adherent <i>Escherichia coli</i> 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. <i>International Journal of Medical Microbiology</i> , 2011, 301: 475– 479.
	5	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. <i>Applied and Environmental Microbiology</i> , 2006, 72: 6257–6270.
	6	Characterisation of <i>qnr</i> plasmid-mediated quinolone resistance in Enterobacteriaceae from Italy: association of the <i>qnrB19</i> allele with the integrin element ISCR1 in <i>Escherichia coli</i> Richter S.N., Frasson I., Bergo C., Manganelli R., Cavallaro A., Palù G. <i>International Journal of Antimicrobial Agents</i> , 2010, 35: 578-583.
	7	In vitro selection of resistance in <i>Escherichia coli</i> and <i>Klebsiella</i> spp. at in vivo fluoroquinolone concentrations Drago L., Nicola L., Mattina R., De Vecchi E. <i>BMC Microbiology</i> , 2010, 10: 119.
	8	The Clermont <i>Escherichia coli</i> phylo-typing method revisited: improvement of specificity and detection of new phylo-groups Clermont O., Christenson J.K., Denamur E., Gordon D.M. <i>Environmental Microbiology Reports</i> , 2013, 5: 58–65.
	9	Identification of capsule, biofilm, lateral flagellum, and type IV pili in <i>Vibrio mimicus</i> strains Tercero-Alburo J.J., Gonzalez-Marquez H., Bonilla-Gonzalez E., Quinones-Ramírez E.I., Vazquez-Salinas C. <i>Microbial Pathogenesis</i> , 2014, 76: 77-83.
	10	Expression of cellulose and curli fimbriae by <i>Escherichia coli</i> isolated from the gastrointestinal Tract Bokranz W., Wang X., Tschape H., Romling U. <i>Journal of Medical Microbiology</i> , 2005, 54: 1171–1182