CURRICULUM VITAE
PAOLO DOMENICI
February 10th, 2012

BIRTHDATE: 17 September 1964, Italy
CITIZENSHIP: Italian
MARITAL STATUS: married to Katie Duff
CHILDREN : Diego Dylan, born on January 9th 1997. Anita Luisa, born on November 23, 2002

ADDRESS:
Home: via Satta 6, Siamaggiore (Or) 09070 Italy Telephone: 00 39 0783 33150
Work: CNR-IAMC c/o International Marine Centre, Loc. Sa Mardini 09072 Torregrande (Or) Italy
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INSTITUTIONS ATTENDED and POSITIONS HELD
1993-1995: Dunstaffnage Marine Laboratory, Oban, Scotland / postdoctoral fellow
1996-1998: CNRS-NBM, Marseille, France / postdoctoral fellow
1999-June 2000: International Marine Centre, Oristano, Italy / researcher
July 2000-2010: CNR (National Research Council), Oristano, Italy/ Senior Researcher (Associate professor level).
January 2011- Present: CNR (National Research Council), Oristano, Italy/ Research Director (Full professor level).

EDUCATION:
- Degree (*Laurea*) in Biology, University of Milan: 1988
- Exchange student at the Department of Biology, Western Washington University: 1986-1987
- Ph.D. in Zoology , University of British Columbia: 1993. Supervisor : Dr R.W. Blake.

FELLOWSHIPS and AWARDS:
-1986-1987: Recipient of ISEP-Italian Ministry for Education Scholarship at Western Washington University (USA)
-1988-1989, Second Semester: Fondazione Rui Graduate Scholarship
-1989-1990, First Semester: Fondazione Rui Graduate Scholarship
-Summer 1991: McLean-Fraser Scholarship Award for UBC graduate students
-May 1993: Recipient of European Union post-doctoral Fellowship (2 years) at the Dunstaffnage Marine Laboratory. :Research on the schooling behaviour and dynamics of herring.
-November 1995: Recipient of European Science Program short-term Fellowship (3 months) at the CNRS, Marseille. Research on the biomechanics of walking in crayfish.
-April 1996: Recipient of Human Frontier Science Program Long-Term Fellowship (2 years) at the CNRS Marseille.Research on the biomechanics of turning and curve-walking in crayfish

INTERNATIONAL RELATIONSHIPS:
I collaborate actively with scientists from France, USA; Canada, the UK, Sweden, Spain, Norway, Denmark, Brazil, Australia. I have spent extensive periods of time (>1 month) doing research in the USA, Canada, the UK, France, Sweden, Norway, Brazil.

GENERAL AREAS OF RESEARCH INTEREST:
Biomechanics, Eco-Physiology, Ecomorphology, Animal Behavior, Marine Biology, Fish Biology.

SPECIFIC SUBJECTS OF RESEARCH:
Animal locomotion, performance and kinematics of locomotion in fish, anti-predator tactics in marine animals (e.g. escape responses, schooling), predator-prey energetics, scaling of animal locomotion, fish behaviour in relation to environmental variables, short-range orientation.

TEACHING EXPERIENCE

At the University of British Columbia, Department of Zoology 1988-1993 (teaching assistant). *Duties*: Lecturing, teaching laboratory classes, preparing and marking exams for the following courses: Introductory Biology, Invertebrate Zoology, Vertebrate Zoology, Animal Behaviour.

At CNR-IAMC, Oristano Italy (1999-present): Lecturing for university-level courses. Organization of a two week course on the Biology of Mediterranean Lagoons, held in October 2006.

At Friday Harbor Labs (University of Washington, USA):
Summer 2002, 2005, 2007, 2009, 2011: Teaching with Drs G Claireaux and JF Steffensen: (Graduate course "Fish swimming: Kinematics, ecomorphology, behavour and physiology).

At CNR- IAMC (Oristano, Italy): Student and post-doc supervision.
Supervision of >20 undergraduate students, 5 PhD students and 4 post-doctoral fellows.

REFEREEING:
I have been a referee for > 50 international journals, as well as the European Union, In addition, I have evaluated projects for the National Science Foundation (NSF, USA), the National Science Research Council (NSRC, Canada), the BBSRC (UK), the Israeli Science Foundation (ISR, Israel), the Netherlands Organisation for Scientific Research (NWO, the Dutch research council).

RESEARCH GRANTS (a selection):

-1999-2000 National Project SIMBIOS (MIUR).

-1999-2000 National Project "PST, Parco scientifico e tecnologico della Sardegna" (MIUR).

-2002-2005 :Coordination of the EU project: Ethofish – The effect of turbidity and hypoxia on the behaviour of coastal marine fishes.

-2003-2006 : National Project STM, Scienze e Tecnologie Marine: Ricerca applicata, formazione e trasferimento per le biotecnologie marine e l'acquacultura (MIUR)

- 2004-2008: Participation to the EU Project : "EMPAFISH-European Marine Protected Areas as tools for Fisheries management and conservation" coord.: Prof. A. Perez-Ruzafa, University of Murcia (Spain).
- 2011-2015: Participation to the EU Project : "Vectors" coordinator: Dr. M. Austen, Plymouth Marine Laboratory (UK)

BOOKS and SPECIAL ISSUES:
Biomechanics in Animal Behaviour . (2000). Domenici, P. and Blake, R.W. (editors). BIOS Scientific Publishers; Oxford, UK.

Vision and the behaviour of marine animals. (2002). Domenici. P. and McFarland, W.N. (Editors). Mar. Fresh. Behav. Physiol.

Environmental constraints upon locomotion and predator prey relationships in aquatic organisms. (2007). Domenici P. Claireaux G. and McKenzie D. (eds.). Phil. Trans. Royal Soc.

Fish swimming: an eco-ethological perspective (2010). P. Domenici and B.G Kapoor (eds.) Science Publishers. Enfield, USA.

PUBLICATIONS

Domenici, P. & R.W. Blake. (1991). The kinematics and performance of the escape response in the angelfish, *Pterophyllum eimekei*. Journal of Experimental Biology, 156:187-205

Kasapi, M., P. Domenici, R.W. Blake and D.G. Harper. (1993). The kinematics and performance of the escape response in the knife fish (*Xenomystus nigri*). Canadian Journal of Zoology 71: 189-195.

Domenici, P. & R.W. Blake (1993). Escape trajectories in angelfish (*Pterophyllum eimekei*). Journal of Experimental Biology 177: 253-272.

Domenici, P. & R.W. Blake. (1993). The effect of size on the kinematics and performance of angelfish (*Pterophyllum eimekei*) escape responses. Canadian Journal of Zoology 71: 2319-2326.

Domenici, P. and R.S. Batty (1994). Escape manoeuvres in schooling *Clupea harengus*. Journal of Fish Biology 45 (Supplement A): 97-110.

Blake, R.W., L. Chatters & P. Domenici. (1995). Turning radius of yellowfin tuna (*Thunnus albacares)* in unsteady swimming manoeuvres. Journal of Fish Biology 46 (3): 536-538.

Domenici, P. and Blake, R.W. (1997). The kinematics and performance of fish fast start swimming. Journal of Experimental Biology. 200 (8): 1165-1178.

Domenici, P. and Batty, R.S. (1997) The escape behaviour of solitary herring and comparisons with schooling individuals. Marine Biology. 128 (1): 29-38

Domenici, P., Jamon, M .and Clarac, F. (1998) Curve walking in freely moving crayfish *Procambarus clarkii.* Journal of Experimental Biology , 201 : 1315-1329.

Jamon, M. and Domenici, P. (1998) Coordination flexibility in crayfish locomotory system. In: *Biology and Technology of Walking*. University of Munich Press pp 288-295.

Domenici, P., Schmitz, J. and Jamon, M. (1999). The relationship between leg stepping pattern and yaw torque oscillations in two species of crayfish. Journal of Experimental Biology: 202, 3068-3080.

Domenici, P and Blake, RW (2000) Biomechanics in Behaviour. In: *Biomechanics in Animal Behaviour.* (Domenici P and Blake RW eds.) Bios Scientific Publishers. Pp. 1-17.

Batty, RS and Domenici, P. (2000). Predator-prey interactions in fish and other aquatic vertebrates : kinematics and behaviour. In: *Biomechanics in Animal Behaviour.* (Domenici P and Blake RW eds.) Bios Scientific Publishers. Pp. 237-257.

Domenici, P., Batty, R.S, Simila, T. and Ogam, E. (2000) Killer whales feeding on schooling herring using underwater tail-slaps: kinematic analyses of field observations. J. exp. Biol 203, 283-294.

Domenici, P., Simila, T. Batty, R.S. (2000) Spacing of schooling herring while encircled by killer whales. J. fish Biol. 57: 831-836.

Domenici, P., Steffensen, J.F. and Batty, R.S. (2000) The effect of progressive hypoxia on the swimming activity of schooling herring. J. Fish Biol.57:1526-1538.

Domenici, P and Blake, RW (2000) *Biomechanics in Animal Behaviour.* (Domenici P and Blake RW eds.) Bios Scientific Publishers. 270 pp.

Domenici, P. (2001). Scaling the locomotor performance of aquatic vertebrates during predator-prey interactions: from fish to killer whales. Comp Physiol. Biochem. Vol 131/1: 169-182

Mussi M Summers A, Domenici P (2002) Gait transition speed, pectoral fin-beat frequency and amplitude in *Cymatogaster aggregata*, *Embiotoca lateralis* and *Damalichthys vacca* J Fish biol *56: 1282-1293*

Domenici, P. (2002) The visually-mediated escape response in fish: Predicting prey responsiveness and the locomotor behaviour of predators and prey. Mar. Fresh. Behav. Physiol. 35 : 87-110

Domenici, P. (2002). Escape trajectory, ecological. In: *Encyclopedia of Environmetrics. Volume 2* (Abdel H. El-Shaarawi and Walter W. Piegorsch, eds.) John Wiley & Sons, Chichester. Pp 708-711.

Domenici, P. Ferrari, S., Batty, RS and Steffensen JF. (2002). The effect of progressive hypoxia on the schooling behaviour of herring *Clupea harengus.* Proc. Royal Soc. B. 269: 2103-2111

Domenici, P. Gonzales, D and Ferrari, S.(2003) Locomotor performance in sea urchin Paracentrotus lividus J. Mar. Biol. Ass. UK 83: 285-292. .

Domenici, P. (2003) Habitat type, design and the swimming performance of fish. In: Vertebrate Biomechanics and Evolution (V Bels, JP Gasc, A Casinos Eds.) Bios Oxford. Pp : 137-160

Maltagliati,F., P. Domenici, C. Franch Fosch, P. Cossu, M. Casu, A. Castelli. (2003) Small-scale morphological and genetic differentiation in the Mediterranean killifish Aphanius fasciatus (Cyprinodontidae) from a coastal brackish-water pond and an adjacent pool in Northern Sardinia (Italy). Oceanologica Acta 26: 111-119

Domenici, P., Standen E., and Levine R. (2004) Escape manoeuvres in the spiny dogfish (Squalus acanthias). J Exp . Biol. 207: 2339-2349.

Shingles A, McKenzie DJ, Claireaux G, and Domenici. P. (2005). Reflex cardioventilatory responses to hypoxia in the flathead gray mullet (*Mugil cephalus*) and their behavioral modulation by perceived threat of predation and water turbidity . Physiol. Biochem Zool. 78 (5): 744-755.

Lefrancois C, Shingles A, Domenici P.(2005) The effect of hypoxia on locomotor performance and behaviour during escape in Liza aurata . J fish Biol. 67 (6): 1711-1729.

Mussi M, McFarland WN, Domenici P (2005). Visual cues eliciting the feeding reaction of a planktivorous fish swimming in a current . J. Exp. Biol. 208 (5): 831-842.

Paglianti, A., Domenici, P. (2006). The effect of size on the timing of visually mediated escape behaviour in staghorn sculpin *Leptocottus armatu*s . J. Fish Biol. 68 (4): 1177-1191.

Lefrancois C, Shingles A, Domenici P (2006) Locomotor kinematics and behaviour in the escape response of European sea bass, *Dicentrarchus labrax* L., exposed to hypoxia. Mar Biol 149: 969–977

Meager JJ, Domenici P , Shingles C, Utne-Palm AC (2006). Escape responses in juvenile Atlantic cod *Gadus morhua* L.: the effects of turbidity and predator speed. J exp Biol. 209, 4174-4184.

Cannas, M., Schaefer, J., Domenici, P. & Steffensen, J. F. (2006). Gait transition and oxygen consumption in swimming striped surf perch (*Embiotoca lateralis*). J. Fish Biol.69:6, 1612-1625.

Domenici, P. Lefrançois C, Shingles A. (2007) The effect of hypoxia on the antipredator behaviour of fish. Phil. Trans. Royal Soc. 362: 2105-2121

Domenici P. Claireaux G. and McKenzie D. (2007) Environmental constraints upon locomotion and predator prey relationships in aquatic organisms: Phil. Trans. Royal Soc. 362: 1929-1936.

Turesson H and Domenici P. (2007) Escape latency is size-independent in grey mullets. J fish biol 71:253-259

McKenzie D, Hale M, and Domenici P . (2007) Locomotion in primitive fishes . In: Primitive Fishes (Fish physiology Series, McKenzie D, Brauner C, and Farrell A eds). Academic Press.

Guinet,C, P. Domenici, R. de Stephanis, L. Barrett-Lennard, J. K. B. Ford, P. Verborgh (2007) Killer whale predation on bluefin tuna: exploring the hypothesis of the endurance-exhaustion technique. Marine Ecology Progress Series. Vol. 347: 111–119, 2007

Domenici P., H. Turesson, J. Brodersen and C. Bronmark. (2008). Predator-induced morphology enhances escape locomotion in crucian carp. Proc. Royal. Soc B 275, 195–201.

Claudet, J, Osenberg CW, Benedetti Cecchi, L, Domenici P, et al (2008). Marine reserves. Size and age do matter. Ecology letters. 2008. Vol. 11, Iss. 5; pg. 481 - 489

Vagner, M, Lefrancois, C, Ferrari, R.S., Satta, A. and Domenici, P (2008) The effect of acute hypoxia on swimming stamina at optimal swimming speed in flathead grey mullet *Mugil cephalus.* Marine Biology 155: 183-190.

Domenici, P., Booth, D, Blagburn J. M, Bacon, J.P (2008) Cockroaches Keep Predators Guessing by Using Preferred Escape Trajectories. Current Biology. 18, Issue 22 : 1792-1796

Charton-Garcia, J.A et al. (2008) Effectiveness of European Atlanto-Mediterranean MPAs: Do they accomplish the expected effects on populations, communities and ecosystems? Journal for Nature Conservation 16: 193—221

Tudorache, C, A D Jordan, J C Svendsen, P Domenici, G DeBoeck and J F Steffensen (2009).Pectoral fin beat frequency predicts oxygen consumption during spontaneous activity in a labriform swimming fish (Embiotoca lateralis). Env. Biol. Fishes. 84(1) : 121-127.

McKenzie DJ, Shingles A, Claireaux G, Domenici P. (2009) Sub-lethal concentrations of ammonia impair performance of the teleost fast-start escape response. Physiol. Biochem Zool. Volume: 82 Issue: 4 Pages: 353-362

Terzibasi, E, LeFrancois C, Domenici, P. , Hartmann, N. Graf,M. Cellerino, A. (2009). Effects of dietary restriction on mortality and age-related phenotypes in the short-lived fish Nothobranchius furzeri. Aging Cell. Volume: 8 Issue: 2 Pages: 88-99

Turesson, H; Satta, A; Domenici, P (2009) Preparing for escape: anti-predator posture and fast-start performance in gobies. J. Exp. Biol 212: 2925-2933

Lefrancois, C; Ferrari, RS; da Silva, JM; and Domenici P (2009) The effect of progressive hypoxia on spontaneous activity in single and shoaling golden grey mullet Liza aurata. J Fish Biology 75: 1615-1625.

Domenici, P., Booth, D., Blagburn, J. M. and Bacon, J. P. (2009). Escaping away from and towards a threat: The cockroach's strategy for staying alive. Communicative Integr. Biol. *Nov;* 2, 497-500.

Booth, D; Marie, B; Domenici, P; et al. (2009) Transcriptional Control of Behavior: Engrailed Knock-Out Changes Cockroach Escape Trajectories. J Neuroscience, 29: 7181-7190.

Domenici P. (2010) Escape responses in fish: Kinematics, Performance and Behaviour. In: Fish swimming: an eco-ethological perspective , P. Domenici and B.G Kapoor (eds.) Science Publishers. Enfield, USA. Pp: 123-170.

Wilson, R S, C. Lefrançois, P. Domenici and I.A. Johnston. (2010) Environmental Influences on Unsteady Swimming Behaviour: Consequences for Predator-prey and Mating Encounters in Teleosts. In: Fish swimming: an eco-ethological perspective, P. Domenici and B.G Kapoor (eds.) Science Publishers. Enfield, USA. Pp: 269-295.

Svendsen, JC; Tudorache, C; Jordan, AD; Steffensen JF and Domenici P (2010) Partition of aerobic and anaerobic swimming costs related to gait transitions in a labriform swimmer. J exp. Biol 213: 2177-2183.

Claudet, J; Osenberg, CW; Domenici, P et al. (2010) Marine reserves: Fish life history and ecological traits matter. Ecological Applications, Volume: 20 Issue: 3 Pages: 830-839

- Johansen, JL; Vaknin, R; Steffensen, JF and Domenici P (2010) Kinematics and energetic benefits of schooling in the labriform fish, striped surfperch Embiotoca lateralis. Marine Ecology-Progress Series, Volume: 420 Pages: 221-229

Domenici P (2010) . Context-Dependent Variability in the Components of Fish Escape Response: Integrating Locomotor Performance and Behavior. Journal of Experimental Zoology Part a-Ecological Genetics and Physiology Volume: 313A Issue: 2 Pages: 59-79

Dadda, M; Koolhaas, WH; Domenici, P (2010) Behavioural asymmetry affects escape performance in a teleost fish. Biology Letters, 6 (3): 414-417

Domenici, P (2011) Fast–start. In: Encyclopedia of Fish Physiology . AP Farrell (Editor). 10 pages. Elsevier.

Domenici P (2011) Webb scales fast-start maneuvres. Journal of Experimental Biology, Volume: 214 Issue: 6 Pages: 875-877

Meager JJ, Rodewald P , Domenici P et al (2011). Behavioural responses of hatchery-reared wild cod Gadus morhua to mechano-acoustic predator signals. J Fish Biol. 78: 1437-1450.

Domenici P. Blagburn JM and Bacon JP (2011). Animal escapology I: Theoretical issues and emerging trends in escape trajectories J. exp Biol. 214, 2463-2473

Domenici P. Blagburn JM and Bacon JP (2011). Animal escapology II: Review of escape trajectory case studies. J. exp Biol. 214, 2474-2494

-Marras S, Killen SS, Claireaux G, Domenici P, and McKenzie DJ (2011) Behavioural and kinematic components of the fast-start escape response in fish: individual variation and temporal repeatability. J. exp. Biol. 214: 3102-3110.

Domenici P, Allan B, McCormick MI, Munday PL (2012) Elevated carbon dioxide affects behavioruial lateralization in a coral reef fish. Biology letters, 8 (1). 78-81. doi: 10.1098/rsbl.2011.0591

Killen SS, Marras S, Ryan MR, Domenici P and McKenzie DJ (2012) A relationship between metabolic rate and risk-taking behaviour is revealed during hypoxia in juvenile European sea bass. Functional Ecology. 26: 134-143. doi: 10.1111/j.1365-2435.2011.01920.

Marras, S, Batty RS and Domenici P (2012). Information transfer and antipredator maneuvers in schooling herring , Adaptive Behavior. DOI: 10.1177/1059712311426799

-Nilsson GE, Dixson DL, Domenici P, McCormick, MI, Watson SA, Munday PL (2012) . Near-future CO2 levels alter fish behaviour by interference with neurotransmitter function. Nature Climate Change doi:10.1038/NCLIMATE1352 http://dx.doi.org/10.1038/NCLIMATE1352

Cannas M, Domenici P and Lefrançois C (2012) The effect of hypoxia on ventilation frequency in startled common sole (*Solea solea* L. 1758) . J Fish Biol. (in press)

PRESENTATIONS AT INTERNATIONAL CONFERENCES :

- Mechanics and Physiology of animal swimming. A conference organized by the Marine Biological association of the UK. Plymouth, UK, April 15-18, 1991.
Oral contribution: The escape response in the angelfish *Pterophyllum eimekei.*

- Society for Experimental Biology. International joint meeting of the SEB, APS, ASZ and CJZ. Cambridge, UK, August 9-13, 1992.
Oral contribution: The escape response in fish and other animals.

- Fish Locomotion Workshop. Organized by The University of Leeds, UK. June 21-25, 1993.
Invited oral contribution: The effect of size on the performance and kinematics of angelfish (*Pterophyllum eimekei*) escape responses.

- XXIII International Ethological Conference, Torremolinos, Spain. September 1-9, 1993. Oral contribution: Animals have preferred escape trajectories.

- Orientation and Migration in the Sea. A conference organized by the Marine Biological Association of the UK, Plymouth, UK, April 18-21, 1994.
Oral contribution: Escape trajectories in various animals.

- EEEF (Ecological and Evolutionary Ethology of Fishes). Victoria, B.C., Canada. May 15-18, 1994. Oral contribution: Escape manoeuvres in schooling herring.

- Predator-Prey Relationships in Fishes. A conference organized by the Fisheries Society of the British Isles. Glasgow, UK, July 11-15, 1994
Contributions:
Oral: Escape manoeuvres in schooling herring.
Posters: 1) Habitat type and the escape performance of fishes (with Drs. R.W. Blake and D.G. Harper).
2) Examining predator-prey relationships in piscivorous fishes: Bimodal distribution of prey size (with Dr. F. Juanes).

- Society of Experimental Biology International Meeting. St. Andrews, UK, April 3-7, 1995.
Symposium on Fish Migration and Orientation (Invited speaker) :
Oral contribution: The influence of schooling on the escape trajectories of herring.
Symposium on Biomechanics:
Oral contribution: Escape responses of herring: Kinematics and response latencies.

-XIII International meeting of the SERMLO: A conference organized by CNRS Marseille. France. October 3-4, 1996. Poster contribution : Curve walking in freely-moving crayfish *Procambarus clarkii.* (with Dr M. Jamon).

- Society of Experimental Biology International Meeting. Canterbury, UK, April 3-7, 1997.
Oral contribution: The turning behaviour of crayfish *Procambarus clarkii* (with Drs M Jamon and F Clarac).

- Society of Experimental Biology International Meeting. York, UK, March 23-27, 1998.
Oral contribution: The kinematics of crayfish manoeuvrability (with Drs M Jamon and J. Schmitz).

- Society of Experimental Biology International Meeting. Edinburgh, UK, March 22-26, 1999. Organizer of the symposium: Biomechanics and Behaviour. Oral contributions: 1) Introduction to the symposium. 2) Predator-prey interactions in marine vertebrates: Kinematics and behaviour. (co-authored with Dr. R.S. Batty).

- Vision, Behaviour and the Marine Environment: an International Conference organized by IMC, Oristano, Italy, September 18-21 1999. Invited oral contribution: The anti-predator behaviour of fish: Integrating vision and locomotion

- Society of Experimental Biology International Meeting. Exeter, UK, March 27-31, 2000. Oral contribution. Killer whale underwater tail-slaps: kinematics of a feeding behaviour in the field. (with Drs RS Batty and T. Simila).

- European Society for Comparative Physiology. Liege (Belgium) July 22-27 2000. Invited oral contribution. Scaling the locomotor performance of aquatic vertebrates during predator-prey interactions: from fish to killer whales.

- Society of Experimental Biology International Meeting. Canterbury, UK, March 27-31, 2001. Invited oral contribution. Habitat, body design and lcomotor performance in fish.

- European Cetacean Society. Rome (Italy) May 1-6 2001. Oral contribution. Killer whale underwater tail-slaps.

- Society of Experimental Biology International Meeting. Swansea, UK, March 26-30, 2002. Oral contribution. Behaviour and Moprhology in fish fast starts.

- Killer whales Workshop (Chize, France). September 22-28 2002. Oral contribution. Kinematics of killer whale attacks.

- Society of Experimental Biology International Meeting. Levine, R. P. Standen, E. M. Brainerd, E. L. and Domenici, P. Effect of body size on fast-start performance in the Pacific staghorn sculpin, *Leptocottus armatus*. The Society for Integrative and Comparative Biology, Toronto, Ontario, January 4-8, 2003

- Society of Experimental Biology International Meeting. Lefrançois C, Shingles A. and Domenici P. Effect of hypoxia on escape performance in grey mullet. Soc.Exp.Biol. Southampton, UK, April 2003

- Society of Experimental Biology International Meeting. Domenici P. Levine, R. P. Standen, E. M. The swimming performance of spiny dogfish during unsteady manouvres.. Soc.Exp.Biol. Southampton, UK, April 2003

- Society of Experimental Biology International Meeting. Standen, E. M. Levine, R. P Brainerd, E. L. and Domenici, P. Effect of body size on fast-start performance in the Pacific staghorn sculpin, *Leptocottus armatus*. The Society for Experimental Biology, Southampton, UK, March 31 - April 3, 2003.

- Society of Experimental Biology International Meeting. Domenici P. Locomotion and predator-prey relationships in fish. The Society for Experimental Biology, Edinburgh, UK, March 27 - April 1, 2004.

- Society of Experimental Biology International Meeting. Domenici P, LeFrancois F, Shingles A, and Meager J. The effect of hypoxia and turboidity on fish escape response. The Society for Experimental Biology, Barcelona, Spain, July 2005..

- Benelux Congress of ZoologyDomenici P. Directional and Temporal patterns in fish escape responses. 12th Benelux congress of Zoology. Wageningen (Holland). October 2005

-Society of Experimental Biology International Meeting. Domenici P. Kinematic and Temporal patterns in fish escape responses. The Society for Experimental Biology, Canterbury, UK, April 2006.

- EEEF Conference- Domenici P, Mussi M, McFarland WN. The visually-mediated feeding reaction in planktivorous fish swimming in a current. Ecology and Evolutionary Ethology of Fishes Conference, Los Angeles USA; 3-6 June 2006

- Invited seminar : Domenici, P. Kinematic and temporal patterns in fish escape responses University of California, Riverside USA, 8 June 2006

- Invited seminar : Domenici P. Il comportamento anti-predatorio nei pesci.
Università di Parma, Dipartimento di Ecologia, 19 Maggio 2007.

- Invited seminar : Domenici P. The escape response in fish.
Leibniz Institut, Jena, Germania. Decembre 2007

- Invited seminars : Domenici P.
Relazioni preda-predatore nei pesci.
L'effetto taglia nella risposta di fuga nei pesci.
Università di Palermo , Dipartimento di Biologia, Maggio 2008.

- Society for Experimental Biology. Temporal and directional patterns in escape responses
Marsiglia July 2008.

-Invited seminar: Domenici P. Ecological effect of Mediterranean Marine Protected Areas. CONABIO Città del Mexico August 2009

- Society for Experimental Biology. Behavioural lateralization as a source of intraspecific variability in fish escape performance.
Sete, July 2010

- Society for Experimental Biology. Animal Escape Trajectories: Where to flee?
Praga, July 2010

- Fish Biology Conference: The effect of hypoxia on fish anti-predator behaviour
Barcelona, July 2010.

- Invited seminar: Domenici P. Scaling in predator-prey relationships in fish.
Institute for Marine Biology, Creta (Grecia) August 2010

- Invited seminar: Domenici P. Predator prey interactions in fish and other aquatic vertebrates. Lizard Island Research Station (Australia) Decembre 2010

- Society for Experimental Biology. The effect of CO2 on fish lateralization. Glasgow (UK), July 2011.

- Invited seminar: Domenici P. Hypoxia and fish behaviour in coastal waters. University of Xiamen (China), November 2011

ORGANIZATION of CONFERENCES and SYMPOSIA:

-Co-organizer of " Biomechanics and Behaviour ", a symposium held at Society of Experimental Biology International Meeting. Edinburgh, Scotland, March 22-26, 1999.

-Co-organizer of "Vision, behaviour and the marine environment", an international conference organized by the International Marine Centre and CNR, Italy. Held at Oristano, Italy, 18-21 September 1999.

-Co-organizer of " Environmental constraint of the locomotion and energetics of aquatic organisms", a symposium to be held at Society of Experimental Biology International Meeting. Barcelona, Spain, July 2005.

MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS:

Marine Biological Association of the U.K.
Society for Experimental Biology

Society for Integrative and Comparative Biology
Fisheries Society of the British Isles

POPULAR SCIENCE BASED ON MY WORK (selection):

1) *Nature* Science Update. 14 January 2000. *Lifelines: A stunning performance.* By E. Lawrence.
2) *BBC Wildlife Magazine.* May 2000. *Discoveries: Slap-up meals: How orcas outmanoeuvre their agile prey.* By D. Eatherley.
3) *Discovery Channel.* Documentary on killer whales predation on herring schools. May 2000. By R. Wassersug.
4) *Natural History Magazine. Orcas' herring roundup.* July-August 2000 Issue. Page 41. By R. Milner.
5) *Nature Australia.* Article on killer whales predation on herring schools (2000)
6) *Le Scienze:* Si salvi chi può ma con calma e buon ordine (Marzo 2007) http://lescienze.espresso.repubblica.it/articolo/Si_salvi_chi_pu%F2!_Ma_con_calma_e_in_buon_ordine/1298545
7) *Science Cockroach strategy* 19 Dec 2008 Page 1758
8) *New York times Cockroaches plan escape routes, study finds.* 14 December 2008
9) *Newsweek* Cockroaches 101. 14 December 2008
10) *Washington Post.* It went that way…no, that way. 17 November 2008
11) *http://www.radio24.ilsole24ore.com/main.php?articolo=terra-luna-fuga-distanza-einstein-galassia-oetzi-india-suicidio*
12) *BBC Wildlife Magazine.* Cockroach compass. February 2009.
13) *ScienceNow (Science Magazine Online). Science*Shot: CO_2 Makes Fish Dumb. *by Sara Reardon* on 16 August 2011

LANGUAGES:
Italian (mother tongue), English, French, German , Spanish.