

**Curriculum Vitae
in formato
Europeo**

***European
Curriculum Vitae
Format***

**Informazioni personali
*Personal information***

Nome e Cognome
Name and surname *Francesc Padrós*

Attuale
Amministrazione di
appartenenza *Universitat Autònoma de Barcelona*

*Current
Administration* *Universitat Autònoma de Barcelona (UAB)*

Attuale responsabilità
*Current occupation or
position held* *Management officer (public servant)*
Associate professor
Technical director of the Fish Diseases Diagnostic Service

Contatti
Contacts

*Facultat de Veterinària. Departament de Biologia Animal, Biologia Vegetal i Ecologia
(UAB)*

Email: francesc.padros@uab.cat

**Esperienza lavorativa
*Work-experience***

From 1994 to 1997 UAB associated researcher. Animal Biology Unit. Veterinary School UAB.

From 1998 to 2006

Tecnic Superior de Suport a la Recerca (TSSR). "Servei de Diagnòstic Patològic en Peixos" (Fish Diseases Diagnostic Service). S3 Services. Veterinary Faculty, Universitat Autònoma de Barcelona.

Since 2006

Management officer (public servant). Technical manager of the "Servei de Diagnòstic Patològic en Peixos" (Fish Diseases Diagnostic Service). LPS. Veterinary Faculty, Universitat Autònoma de Barcelona

Since 2009

Associated professor. UAB. Veterinary School: Diseases of Aquatic Animals specialist.

Istruzione e formazione

Education and training

-BVMe. Universitat Autònoma de Barcelona. July 1988.

-Postgraduate specialist in Fish culture .1989. Col.legi Universitari de Girona, Universitat Autònoma de Barcelona.

-PhD VM: "Aspectos histológicos y ultraestructurales del desarrollo larvario del rodaballo (*Scophthalmus maximus*) y estudio histopatológico de las alteraciones observadas en su cultivo".

- Dipl. ECAAH

-Supervisor of 4 PhD theses

-Member of 24 PhD Dissertation committees.

-Member of the working Group "The Use of Fish Byproducts in Aquaculture". 2002. European Commission

- January 2006- may 2008, Assistant of the area of 'Ganaderia y Pesca' (livestocks and fisheries area), responsible of the fish health subsection of ANEP (Agencia Nacional de Evaluación y Prospectiva)

2006: Member of the panel: Animal welfare aspects of husbandry systems for farmed European seabass and gilthead seabream - EFSA

2010-2011: member of the Evaluation Panel for the Animal and Veterinarian Sciences area. Portuguese Foundation for Science and Technology (FCT)

2011-2021: Secretary of the SEA (Spanish Aquaculture Society).

2014. Member of the Board of the European College of Aquatic Animal Health (ECAAH)

- Former Meeting Secretary and member of the Council of the E.A.F.P. (European Association of Fish Pathologists). September 2001-September 2005
- Director of the XRAq (Xarxa de Recerca i Desenvolupament en Aqüicultura. Generalitat de Catalunya / Aquaculture Research and Development network. Catalan Government) (2016-2019)
- Vicepresident of the ECAAH /EBVS (European College of the Aquatic Animal Health / European Board of Veterinary Specialisation).
- WP leader in the H2020 project PerformFish (WP3: Health and Welfare) and Horizon Europe Cure4Aqua (WP2).
- Guest speaker in the Fish Welfare Courses (2020 and 2021 issues)

Madrelingua

Mother tongue

Catalan, Spanish

Altre competenze

Linguistiche

English: good (English teaching certificate UAB)

Other languages

French: good

Italian: basic

Allegati

MAIN SKILLS

- ☐ Fish Pathology
- ☐ Histopathological diagnostics
- ☐ Aquaculture health control
- ☐ Fish Larval Biology
- ☐ Larval Pathology

Attachments

MAIN PUBLICATIONS:

<https://orcid.org/0000-0002-8610-5692>

Crespo, S., Padrós, F., Sala, R. and Marlasca, M.J. (1988). Gill structure of cultured *Salmo trutta fario* related to sampling techniques. *Diseases of Aquatic Organisms*. Vol 4: 219-221.

Crespo, S., Grau, A. and Padrós, F. (1990). Epitheliocystis disease in the cultured amberjack *Seriola dumerili* Risso (Carangidae). *Aquaculture*, 90: 197-206.

Padrós, F. Sala, R. and Crespo S. (1991). Organogenesis in turbot *Scophthalmus maximus*, larvae related to the main developmental stages. *European Aquaculture Society, Special Publication No 15. Gent, Belgium*. pgs. 213-215.

- Padrós, F. and Crespo, S. (1991). Swimbladder invasion by enteric flora in turbot larvae (*Scophthalmus maximus* L.). Bulletin of The European Association of Fish Pathologists 11 (5), 174-175.*
- Crespo, S., Grau, A. and Padrós, F. (1992). Sanguinicoliasis in the cultured amberjack *Seriola dumerili* Risso, from the Spanish Mediterranean Area. Bulletin of The European Association of Fish Pathologists 12 (5), 157-159.*
- Padrós, F., Minkoff, G., Sala, R. and Crespo, S. (1993) Histopathological events through the development of turbot (*Scophthalmus maximus* L.) larvae. Journal of Comparative Pathology. Vol 109, 321-334.*
- Crespo, S., Sala, R., Padrós, F., Marlasca, M.J. and Grau, A. (1994). The Fish Gill as an indicator of the general Health Condition of wild and cultured fish. Proceedings of the World Fisheries Congress, Athens.*
- Crespo, S., Grau, A. and Padrós, F. (1994). The intensive culture of O+ amberjack in the Western Mediterranean is compromised by disease problems. Aquaculture International 2, 262-265.*
- Padrós, F. and Crespo, S. (1995). Proliferative epitheliocystis associated with monogenean infection in juvenile seabream *Sparus aurata* in the north East of Spain. Bulletin of The European Association of Fish Pathologists 15(5), 42-44.*
- Padrós, F. and Crespo, S. (1995). Swimbladder pathology during turbot (*Scophthalmus maximus* L.) larval development. ICES mar. Sci. Symp., 159-162.*
- Padrós, F. and Crespo (1996). Ontogeny of the lymphoid organs in the turbot *Scophthalmus maximus*:: a light and electron microscope study. Aquaculture 144, 1-16.*
- Crespo, S., Sala, R., Padrós, F., Marlasca, M.J. and Grau, A. (1996). The fish gill as an indicator of the general health condition of wild or cultured fish. En: T.G. Heggberget (ed): The role of aquaculture in world fisheries, Oxford & IBH Publishing Co, New Delhi, pp: 42-51.*
- Padrós, F., Tort, Ll and Crespo, S. (1996). Winter disease in the gilthead seabream *Sparus aurata*: some evidences of a multifactorial etiology. En: B.Chatain, M. Saroglia, J. Sweetman, P. Lavens (eds). Seabass and Seabream culture: Problems and prospects. European Aquaculture Society, Oostende, pp 305-307.*
- Tort, Ll., Padrós, F., Rotllant, J. and Crespo, S. (1988). Winter syndrome in the gilthead seabream *Sparus aurata*: histopathological and immunological features. Fish Shellfish Immunology 8, 37-47.*
- Crespo, S., Zarza, C., Padrós, F. and Marín de Mateo, M. (1999) Epitheliocystis agents in sea bream *Sparus aurata*: morphological evidence of two distinct chlamydia-like developmental cycles. Disease of Aquatic Organisms 37:61-72.*
- Padrós, F., Zarza, C. and Crespo, S. (2001) Histopathology of cultured sea bream *Sparus aurata* infected with sanguinicolid trematodes. Diseases of Aquatic Organisms 44: 47-52.*

Padrós, F., Palenzuela, O., Hispano, C., Tosas, O., Zarza, C., Crespo, S. and Alvarez-ellitero, P. (2001). *Myxidium leei* (Myxozoa) infections in aquarium-reared Mediterranean fish species. *Diseases of Aquatic Organisms* 47: 57-62.

Crespo, S., Zarza, C. and Padrós, F. (2002) *Epitheliocystis* hyperinfection in seabass, *Dicentrarchus labrax* (L.): light and electron microscope observations. *Journal of Fish Diseases* 24: 557-560.

L. Tort, M. Puigcerver, S. Crespo, Padrós F. (2002). Cortisol and haematological response in sea bream and trout subjected to the anaesthetics clove oil and 2-phenoxyethanol. *Aquaculture Research* 33, 907-910.

Padrós, F., Crespo, S. (2002). Encephalitis associated with *Pseudomonas anguilliseptica* infection in winter syndrome affected sea bream *Sparus aurata*. *European Aquaculture Society Special Publication* 32, 407-408

Gallardo, M. A., Sala-Rabanal, M., Ibarz, A., Padrós, F., Blasco, J., Fernández-Borrás, J., Sánchez, J. (2003). Functional alterations associated with winter síndrome in gilthead sea bream (*Sparus aurata*). *Aquaculture* 223, 15-27

Tort, L., Rotllant, J, Liarte, C., Acerete, L., Hernandez, A., Ceulemans, S, Coutteau, P., Padros, F. (2004). Effects of temperature decrease on feeding rates, immune indicators and histopathological changes of gilthead seabream *Sparus aurata* fed with an experimental diet. *Aquaculture* 229, 55-65

Montero, F.E., Crespo, S., Padrós, A., De La Gándará, F., García, A. & Raga, J.A. (2004). Effects of the gill parasite *Zeuxapta seriola* (Monogenea: Heteraxinidae) on the amberjack *Seriola dumerili* Risso (Teleostei: Carangidae) *Aquaculture* 232, 153-163

Padrós, F., Jarque, L., Carrasson, M. Crespo, S. (2004). Hepatic coccidiosis in gilthead sea bream from the wild: a potential new disease problem for cultured sea bream? *European Aquaculture Society Special Publication* 34, 635-636.

Palenzuela, O., Agnetti, F., Albiñana, G., Alvarez-Pellitero, P., Athanassopoulou, F., Crespo, S., Diamant, A., Ghittino, C., Golomazou, H., Le Breton, A. Lipshitz, A., Marques, A., Padrós, F., Ram, S. Raymond, J.C. (2004). Applicability of PCR screening for the monitoring of *Enteromyxum leei* (Myxozoa) infection in Mediterranean Aquaculture: an epidemiological survey in sparid facilities. *European Aquaculture Society Special Publication* 34, 639-640.

Padrós, F., Zarza, C., Dopazo, L., Cuadrado, M., Crespo, S. (2006) Pathological observations of the infection by *Edwardsiella tarda* in turbot, *Scophthalmus maximus* (L). *Journal of Fish Diseases* 29, 87-94

Giménez, G., Padrós, F., Roque, A., Estévez, A., Furones, D. (2006). Bacterial load reduction of live prey for fish larval feeding using ox-aquaculture. *Aquaculture Research* 37, 1130-1139.

P. Muñoz, A. Cuesta, F. Athanassopoulou, H. Golomazou, S. Crespo, F. Padrós, A. Sitjà-Bobadilla, G. Albiñana, M.A. Esteban, P. Alvarez-Pellitero

And J. Meseguer. (2007). Sharpsnout sea bream (*Diplodus puntazzo*) humoral immune response against the parasite *Enteromyxum leei* (Myxozoa). *Fish*

L. Puig, R. Traveset, O. Palenzuela Y F. Padros. (2007) Histopathology of experimental scuticulociliatosis in turbot *Scophthalmus maximus*. *Diseases of Aquatic Organisms* 76, 131-140

Cuadrado, M. Albinyana G.; Padrós F.; Redondo M. J.; Sitjà-Bobadilla A.; Alvarez-Pellitero P.; Palenzuela O.; Diamant A.; Crespo S. (2007). An unidentified epi-epithelial myxosporean in the intestine of gilthead sea bream *Sparus aurata* L. *Parasitol. Res.* 101:403-411

Carrasson, M., Curell, J., Padrós, F. and Crespo, S. (2008). Evaluation of splenic macrophage aggregates of red mullet (*mullus barbatus*) as biomarkers of degraded environments in the western mediterranean using image analysis. *Bulletin of the european association of fish pathologists* 28 (2), 46-51.

Duncan, N., Estevez, A., Padros, F., Aguilera, C., Montero, F.E., Norambuena, F., Carazo, I., Carbo, R. And Mylonas, C. (2008). Acclimatation to captivity and GnRH-induced spawning of meagre (*Argyrosomus Regius*). *Cybio* 32(2). 332-333.

Raldúa, D., Padrós, F., Solé, M., Eljarrat, E., Barceló, D., Riva, C. and Barata, C. (2008). First evidence of polybrominated diphenyl ether (flame retardants) effects in feral barbel from the Ebro river basin (NE, SPAIN). *Chemosphere* 73, 56-64.

Valiente, E., Padrós, F., Lamas, J., Llorens, A. and Amaro, C. (2008). Microbial and histopathological study of vibriosis caused by *Vibrio vulnificus* serovar E in eels: the metalloprotease Vvp is not an Essential lesional factor. *Microbial pathogenesis*. 45, 5-6. 386-393.

Giménez-Papiol, G. Padrós, F.; Roque, A; Estévez, A; Furones, D. (2009). Effects of a peroxide-based commercial product on bacterial load of larval rearing water and on larval survival of two species of Sparidae under intensive culture: preliminary study. *Aquaculture Research*, 40, 504-508.

M. Constenla, F. Padrós (2010) Histopathological and ultrastructural studies on a novel pathological condition in *Solea senegalensis*. *Diseases of Aquatic Organisms* 90: 191-196.

Ibarz, A., Padrós, F., Gallardo, M.A., Fernández-Borràs, J., Blasco, J., Tort, L. (2010). Low-temperature challenges to gilthead sea bream culture: review of cold-induced alterations and 'Winter Syndrome'. *Rev Fish Biol Fisheries* (DOI 10.1007/s11160-010-9159-5).

Colorni, a and padrós, f. Chapter 10. Diseases and Health Management. In: *Sparidae: Biology and aquaculture of gilthead sea bream and other species*. Michalis Pavlidis (Editor), Constantinos Mylonas (Editor) .ISBN: 978-1-4051-9772-4. 416 pages. February 2011, Wiley-Blackwell

Padros, F., Villalta, M. Gisbert, E. and Estevez, A (2011) . Morphological and histological study of larval development of the Senegal sole *Solea senegalensis*: an integrative study. *Journal of Fish Biology*. doi:10.1111/j.1095-8649.2011.02942.x

Sánchez-García, N., Padrós, F., Raga J.A. And Montero, F.E. (2011) Comparative study of the three attachment mechanisms of diplectanid monogeneans. *Aquaculture*. 218, 3-4. 290-299

Constenla, M., Carrasson, M., Moyà, C.M., Fernández-Chacon, A., Padrós, F, Repulles-Albelda A And Montero, F.E. (2011) Parasitacion by *Bathycreadium elongatum* (Digenea, Opecoelidae) in pyloric caeca of *Trachyrincus scabrus* (Teleostei, Macrouridae). *Diseases of Aquatic organisms* 96:239-274.

Vendramin, N., Padrós, F., Pretto, T., Cappellozza, E., Panzarin, V., Bovo, G., Toffan, A. And Terregino, C. (2012), Viral encephalopathy and retinopathy outbreak in restocking facilities of the endangered freshwater species, *Salarias fluviatilis* (Asso). *Journal of Fish Diseases*, 35: 867–871. doi: 10.1111/j.1365-2761.2012.01429.x

C.T Lee, D. Pajuelo, A.Llorens, Y-H. Chen, J.M. Leiro, F.Padrós, L-I Hor And C. Amaro. (2013) MARTX of *Vibrio vulnificus* biotype 2 is a virulence and survival factor". *Environmental Microbiology and Environmental Microbiology Reports*. 2013 Feb;15(2):419-32. doi: 10.1111/j.1462-2920.2012.02854.x

Constenla, M, Padrós F, Palenzuela O. (2013). *Endolimax piscium* sp. nov. (Amoebozoa), causative agent of systemic granulomatous disease of cultured sole, *Solea senegalensis* Kaup. *J. Fish Dis*. 2013 Mar 18. doi: 10.1111/jfd.12097

Padrós, f. and Zarza, C (2013). Petequial rash in cultured Seabream *Sparus aurata*. In: *Aspects of Mediterranean Marine Aquaculture- P. Angelidis (Ed)*. 429-421. Blue Crab PC Publisher.

Dallarés, S., Constenla, M, Padrós, F., Cartes, J., Solé, M and Carrasson, M. (2014) Parasites of the deep-sea fish *Mora moro* (Risso, 1810) from the NW Mediterranean Sea and relationship with fish diet and enzymatic biomarkers. *Deep Sea Research I* 92, 115-126.

Pérez-I-García, D., Constenla M., Padros F., Soler-Membrives, A. Solé, M. And Carrassón, M. (2015). Parasite communities of the deep-sea fish *Alepocephalus rostratus* Risso, 1820 in the Balearic Sea (NW Mediterranean) along the slope and relationships with enzymatic biomarkers and health indicators. *Deep-Sea Research I*, 99, 65–74

Colin N., Porte C., Fernandes D., Barata C., Padrós F., Carrassón M., Monroy M., Cano-Rocabayera O., De Sostoa A., Piña B., Maceda-Veiga A. (2015) Ecological relevance of biomarkers in monitoring studies of macro-invertebrates and fish in Mediterranean rivers. *Science of the Total Environment*, Volume 540, 1 January 2016, Pages 307–323

Ahuir-Baraja, A.E., Padrós, F., Palacios-Abella, J.F., Raga, J.A., Montero, F.E. (2015). *Accacoelium contortum* (Trematoda: Accacoeliidae) a trematode living as a monogenean: morphological and pathological implications. *Parasites and Vectors* 8:540

Faria, M., Garcia-Reyero, N., Padrós, F., Babin, P., Sebastián, D., Cachot, J., Prats, E., Arick li, M., Rial, E., Knoll-Gellida, A., Mathieu, G, Le Bihanic, F, Escalon, B. L.-Zorzano, A., Soares, A. M.M., Raldúa, D. (2015). Zebrafish

Models for Human Acute Organophosphorus Poisoning- Scientific Reports- 2015/10/22/online.UR - <http://dx.doi.org/10.1038/srep15591>.

*Constenla, M., Padrós, F., Del Pozo, R. And Palenzuela, O. (2016), Development of different diagnostic techniques for *Endolimax piscium* (archamoebae) and their applicability in *Solea senegalensis* clinical samples. *J Fish Dis*, 39: 1433–1443. doi:10.1111/jfd.12480*

*Dallarés, S., Moyà-Alcover, C.M., Padrós, F. Cartes, J.E., Solé, M, Castañeda, C, Carrassón, M (2016) The parasite community of *Phycis blennoides* (Brünnich, 1768) from the Balearic Sea in relation to diet, biochemical markers, histopathology and environmental variables, *Deep Sea Research Part I: Oceanographic Research Papers*, Volume 118, December 2016, Pages 84-100, ISSN 0967-0637,*

*Toffan, A. Pascoli, F., Pretto, T. Panzarin, V. Abbadì, M., Buratin, A., Quartesan, R. Gijón, D. Padrós, F. (2017). Viral nervous necrosis in gilthead sea bream (*Sparus aurata*) caused by reassortant betanodavirus RGNNV/SJNNV: an emerging threat for Mediterranean aquaculture. *Scientific Reports- 2017/05/02/online*.*

*Dallarés, S. Padrós, F., Cartes, J.E., Solé, M., Carrassón, M. The parasite community of the sharks *Galeus melastomus*, *Etmopterus spinax* and *Centroscymnus coelolepis* from the NW Mediterranean deep-sea in relation to feeding ecology and health condition of the host and environmental gradients and variables, *Deep Sea Research Part I: Oceanographic Research Papers* DeAvailable online 28 September 2017.*

*Prats, E., Gómez-Canela, C., Ben-Lulu, S., Ziv, T., Padrós, F., Tornero, D., García-Reyero, N., Tauler, R., Admon, A. & Raldúa, D. (2017) Modelling acrylamide acute neurotoxicity in zebrafish larvae. *Scientific Reports* 7: 13952 DOI:10.1038/s41598-017-14460 Q1*

*Padrós, F. Knudsen, R. And Blasco-Costa, I. (2018) Histopathological characterisation of retinal lesions associated to *Diplostomum* species (Platyhelminthes: Trematoda) infection in polymorphic Arctic charr *Salvelinus alpinus*. *International Journal for Parasitology: Parasites and Wildlife* 7(1) 68-74 ISSN: Online 2213-2244*

*Bermúdez, R., Losada, Ap, Azevedo, Am, Guerra-Varela, J, Pérez-Fernández, D, Sánchez, L, Padrós, F, Nowak, B, Quiroga, Ml. (2018). First description of a natural infection with spleen and kidney necrosis virus in zebrafish. *Journal of Fish Diseases* 41(8),1283-1294*

*Polinas, M, Mele S, Padros F, Merella, P, Antuofermo, E, Gouraguine, A, Reñones, O, (2018). Ecological and histopathological aspects of *Didymodiclinus* sp. (Trematoda: Didymozoidae) parasite of the dusky grouper, *Epinephelus marginatus* (Osteichthyes: Serranidae), from the western Mediterranean Sea. *Journal of Fish Diseases* 41(9),1385-1393 ISSN: Online 1365-2761.*

*Faria, M, Fuertes, I, Prats, E, Abad, JI, Padrós, F. Gomez-Canela, C, Casas, J, Estevez, J, Vilanova, E, Piña, B & Raldúa, D. (2018). Analysis of the neurotoxic effects of neuropathic organophosphorus compounds in adult zebrafish. *Scientific Reports* 8, 4844 ISSN: 2045-2322 (online)*

Schmidt, J.G, Thompson, K.D., Padrós, F (2018): *Emerging skin diseases in aquaculture*
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Olmos V, Marro M, Loza-Alvarez P, Raldúa D, Prats E, Padrós F, Piña B, Tauler, R. De Juan, A. (2018). *Combining hyperspectral imaging and chemometrics to assess and interpret the effects of environmental stressors on zebrafish eye images at tissue J.Biophotonics. Mar11(3). 1:e201700089ISSN: Online 1864-0648.*

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Polinas M, Padrós F, Merella P, Prearo M, Sanna MA, Marino F, Burrai GP, Antuofermo E. *Stages of Granulomatous Response Against Histozoic Metazoan Parasites in Mulletts (Osteichthyes: Mugilidae). Animals (Basel). 2021 May 21;11(6):1501*

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Rigos, G., Kogiannou, D., Padrós, F., Cristòfol, C., Florio, D., Fioravanti, M. and Zarza, C. (2021), *Best therapeutic practices for the use of antibacterial agents in finfish aquaculture: a particular view on European seabass (Dicentrarchus labrax) and gilthead seabream (Sparus aurata) in Mediterranean aquaculture. Rev. Aquacult., 13: 1285-1323. https://doi.org/10.1111/raq.12523*

Zrnčić, S. Padrós, F., Mladineo, I. Fioravanti, M.-L. Gustinelli, A. Palenzuela, O. Toffan, A. Panzarin, V. Cuilli, S. Fouz, B. Le Breton, A. Varvarigos, P.; Zarza, C. Furones, D. Brun, E. (2020) *Bottlenecks in diagnostics of Mediterranean fish diseases Bulletin of The European Association of Fish Pathologists* 40 2 70 80

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**Modello
informativa
sintetica,
informazioni sul
trattamento**

Ai sensi dell'art. 13 del Regolamento (UE) 2016/679, si informa la S.V. che questa Università è titolare del trattamento dei dati personali dalla S.V. conferiti e che il trattamento stesso sarà effettuato nel rispetto del citato regolamento europeo ai fini dell'assolvimento degli obblighi di pubblicazione di cui al d.lgs. 33/2013. I dati potranno essere utilizzati e conservati esclusivamente per gli adempimenti di legge correlati all'affidamento dell'incarico. Il conferimento dei dati è obbligatorio a tali fini. I dati saranno trattati dall'Università, in qualità di titolare, nel rispetto delle disposizioni del Regolamento (UE) 2016/679 con le modalità previste nell'informativa completa pubblicata sul sito dell'Università. La S.V. è informata che potrà comunque ed in qualsiasi momento, ai sensi degli artt. 15 ss. del Regolamento (UE) 2016/679, verificare i propri dati personali raccolti dal Titolare e farli correggere, aggiornare o cancellare rivolgendosi al Responsabile della protezione dei dati (inserire dati di contatto del DPO). La S.V. è informata che in caso di inosservanza del Regolamento (UE) 2016/679 potrà rivolgere reclamo al Garante per la protezione dei dati personali";

**Summary
information
model,
information on
treatment**

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***Model alert on
purpose limitation
in re-use***

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