

## Publicazioni Prof. Mattia Cecchinato

- 1) Felice V., Franzo G., Catelli E., Di Francesco A., Bonci M., **Cecchinato M.**, Mescolini G., Giovanardi D., Pesente P., Lupini C. *Genome sequence analysis of a distinctive Italian Infectious Bursal Disease virus*. Poultry Science, *in press*. doi: 10.3382/ps/pex278.
- 2) Tucciarone C.M., Franzo G., Berto G., Drigo M., Ramon G., Koutoulis K.C., Catelli E., **Cecchinato M.** *Evaluation of 793/B-like and Mass-like vaccine strain kinetics in experimental and field conditions by real-time RT-PCR quantification*. Poultry Science, *in press*. doi: 10.3382/ps/pex292.
- 3) Tucciarone C.M., Andreopoulou M., Franzo G., Prentza Z., Chaligiannis I., **Cecchinato M.**, 2017. *First Identification and Molecular Characterization of Avian metapneumovirus Subtype B from Chickens in Greece*. Avian Diseases, 61(3):409-413.
- 4) Listorti V., Laconi A., Catelli E., **Cecchinato M.**, Lupini C., Naylor C.J., 2017. *Identification of IBV QX vaccine markers: Should vaccine acceptance by authorities require similar identifications for all live IBV vaccines?* Vaccine, 35:5531–5534.
- 5) Franzo G., Massi P., Tucciarone C.M., Barbieri I., Tosi G., Fiorentini L., Ciccozzi M., Lavazza A., **Cecchinato M.**, Moreno A., 2017. *Think globally, act locally: Phylodynamic reconstruction of infectious bronchitis virus (IBV) QX genotype (GI-19 lineage) reveals different population dynamics and spreading patterns when evaluated on different epidemiological scales*. PLoS One, 12(9):e0184401. doi: 10.1371/journal.pone.0184401. eCollection 2017.
- 6) Franzo G., Tucciarone C.M., **Cecchinato M.**, Drigo M., 2017. *Reconciling individual and population levels of porcine reproductive and respiratory syndrome virus evolution*. Virologica Sinica, 32(4):342-345.
- 7) Franzo G., Tucciarone C.M., **Cecchinato M.**, Drigo M., 2017. *Canine parvovirus type 2 (CPV-2) and Feline panleukopenia virus (FPV) codon bias analysis reveals a progressive adaptation to the new niche after the host jump*. Molecular Phylogenetics and Evolution, 114:82-92.
- 8) Franzo G., Tucciarone C.M., Drigo M., **Cecchinato M.**, Enache M., Bejan V., 2017. *Infectious bronchitis virus in Romanian broiler farms*. Veterinary record, 180(23):574.
- 9) Franzo G., Tucciarone C.M., Enache M., Bejan V., Ramon G., Koutoulis K.C., **Cecchinato M.**, 2017. *First Report of Avian Metapneumovirus Subtype B Field Strain in a Romanian Broiler Flock During an Outbreak of Respiratory Disease*. Avian Diseases, 61(2):250-254.
- 10) Torres C.A., Listorti V., Lupini C., Franzo G., Drigo M., Catelli E., Brandão P.E., **Cecchinato M.**, 2017. *Gamma and Deltacoronaviruses in quail and pheasants from Northern Italy*. Poultry Science, 96(3):717-722.
- 11) Dalle Zotte A., Tasoniero G., Puolanne E., Remignon H., **Cecchinato M.**, Catelli E., Cullere M., 2017. *Effect of "wooden breast" appearance on poultry meat quality, histological traits, and lesions characterization*. Czech Journal of Animal Science, 62(2): 51-57.
- 12) Moreno A., Franzo G., Massi P., Tosi G., Blanco A., Antilles N., Biarnes M., Majó N., Nofrarías M., Dolz R., Lelli D., Sozzi E., Lavazza A., **Cecchinato M.**, 2017. *A novel variant of the infectious bronchitis virus resulting from recombination events in Italy and Spain*. Avian Pathology, 46(1):28-35.
- 13) Franzo G., Tucciarone C.M., **Cecchinato M.**, Drigo M., 2016. *Porcine circovirus type 2 (PCV2) evolution before and after the vaccination introduction: A large scale epidemiological study*. Scientific Report, 6:39458.
- 14) Franzo G., Tucciarone C.M., Blanco A., Nofrarías M., Biarnés M., Cortey M., Majó N., Catelli E., **Cecchinato M.**, 2016. *Effect of different vaccination strategies on IBV QX population dynamics*

*and clinical outbreaks. Vaccine, 34(46):5670-5676.*

- 15) Lupini C., Giovanardi D., Pesente P., Bonci M., Felice V., Rossi G., Morandini E., **Cecchinato M.**, Catelli E., 2016. *A molecular epidemiology study based on VP2 gene sequences reveals that a new genotype of infectious bursal disease virus is dominantly prevalent in Italy.* Avian Pathology, 45(4):458-64.
- 16) Tasoniero G., Cullere M., **Cecchinato M.**, Puolanne E., Dalle Zotte A., 2016. *Technological quality, mineral profile, and sensory attributes of broiler chicken breasts affected by White Striping and Wooden Breast myopathies.* Poultry Science, 95(11):2707-2714.
- 17) Torres C.A., Hora A.S., Tonietti P.O., Taniwaki S.A., **Cecchinato M.**, Villarreal L.Y., Brandão P.E., 2016. *Gammacoronavirus and Deltacoronavirus in Quail.* Avian Diseases, 60(3):656-61.
- 18) Laconi A., Clubbe J., Falchieri M., Lupini C., **Cecchinato M.**, Catelli E., Listorti V., Naylor C.J., 2016. *A comparison of AMPV subtypes A and B full genomes, gene transcripts and proteins led to reverse-genetics systems rescuing both subtypes.* Journal of General Virology, 97(6):1324-32.
- 19) Franzo G., Listorti V., Naylor C.J., Lupini C., Laconi A., Felice V., Drigo M., Catelli E., **Cecchinato M.**, 2015. *Molecular investigation of a full-length genome of a Q1-like IBV strain isolated in Italy in 2013.* Virus Research, 210:77-80.
- 20) Dalle Zotte A., Tasoniero G., Russo E., Longoni C., **Cecchinato M.**, 2015. *Impact of coccidiosis control program and feeding plan on white striping prevalence and severity degree on broiler breast fillets evaluated at three growing ages.* Poultry Science, 94(9):2114–2123.
- 21) Franzo G., Dotto G., **Cecchinato M.**, Pasotto D., Martini M., Drigo M., 2015. *Phylogenetic analysis of porcine reproductive and respiratory syndrome virus (PRRSV) in Italy: action of selective pressures and interactions between different clades.* Infection, genetics and evolution, 31:149-157.
- 22) Franzo G., Naylor C.J., Drigo M., Croville G., Ducatez M.F., Catelli E., Laconi A., **Cecchinato M.**, 2015. *Subpopulations in aMPV vaccines are unlikely to be the only cause of reversion to virulence.* Vaccine, 33(21):2438-2441.
- 23) Franzo G., Drigo M., Lupini C., Catelli E., Laconi A., Listorti V., Bonci M., Naylor C.J., Martini M., **Cecchinato M.**, 2014. *A sensitive, reproducible, and economic real-time reverse transcription PCR detecting avian metapneumovirus subtypes A and B.* Avian Diseases, 58 (2):216-222.
- 24) **Cecchinato M.**, Catelli E., Lupini C., Ricchizzi E., Prospero S., Naylor C.J., 2014. *Reversion to virulence of a subtype B avian metapneumovirus vaccine: is it time for regulators to require availability of vaccine progenitors?* Vaccine, 32(36):4660-4664.
- 25) Franzo G., Naylor C.J., Lupini C., Drigo M., Catelli E., Listorti V., Pesente P., Giovanardi D., Morandini E., **Cecchinato M.**, 2014. *Continued use of IBV 793B vaccine needs reassessment after its withdrawal led to the genotype's disappearance.* Vaccine, 32(50):6765-6767.
- 26) Franzo G., **Cecchinato M.**, Martini M., Ceglie L., Gigli A., Drigo M., 2014. *Observation of high recombination occurrence of Porcine Reproductive and Respiratory Syndrome Virus in field condition.* Virus Research, 194:159-166.
- 27) Casadio M., Massi P., Tosi G., Fiorentini L., Taddei R., Bolognesi P.G., Lupini C., **Cecchinato M.**, Catelli E., 2014. *Valutazione del livello di contaminazione batterica in uova ed embrioni di pollo presso un incubatoio industriale.* Large Animal Review, 20(3):119-123.
- 28) Abdel-Azeem A.A.S., Franzo G., Dalle Zotte A., Drigo M., Catelli E., Lupini C., Martini M., **Cecchinato M.**, 2014. *First evidence of avian metapneumovirus subtype A infection in turkeys in Egypt.* Tropical Animal Health and Production, 46(6):1093-7.
- 29) Listorti V., Lupini C., **Cecchinato M.**, Pesente P., Rossi G., Giovanardi D., Naylor C.J., Catelli E., 2014. *Rapid detection of subtype B avian metapneumoviruses using RT-PCR restriction endonuclease digestion indicates field circulation of vaccine-derived viruses in older turkeys.* Avian Pathology, 43(1):51-6.

- 30) **Cecchinato M.**, Lupini C., Bolognesi P.G., Marzadori F., Raffini E., Frasnelli M., Poppi L., Shivaprasad H.L., Catelli E., 2014. *An outbreak of blindness due to retinopathy in nine flocks of guinea fowl*. Avian Diseases, 58(2):337-339.
- 31) **Cecchinato M.**, Drigo M., Lupini C., Martini M., Listorti V., Franzo G., Bonci M., Laconi A., Morandini E., Catelli E., 2013. *Diffusione dell'infezione da metapneumovirus aviare in allevamenti di tacchini e broiler nel Nord Italia*. Large Animal Review, 19(6):267-270.
- 32) **Cecchinato M.**, Lupini C., Munoz Pogoreltseva O.S., Listorti V., Mondin A., Drigo M., Catelli E., 2013. *Development of a real-time RT-PCR assay for the simultaneous identification, quantitation and differentiation of avian metapneumovirus subtypes A and B*. Avian Pathology, 42(3):283-9.
- 33) Falchieri M., Lupini C., **Cecchinato M.**, Catelli E., Kontolaimou M., Naylor C.J., 2013. *Avian metapneumoviruses expressing Infectious Bronchitis virus genes are stable and induce protection*. Vaccine, 31(22):2565-71.
- 34) **Cecchinato M.**, Lupini C., Ricchizzi E., Falchieri M., Meini A., Jones D., Catelli E., 2012. *Italian field survey reveals a high diffusion of avian metapneumovirus subtype B in layers and weaknesses in the vaccination strategy applied*. Avian Diseases, 56(4):720-24.
- 35) Lupini C., **Cecchinato M.**, Ricchizzi E., Naylor C.J., Catelli E., 2011. *A turkey rhinotracheitis outbreak caused by the environmental spread of a vaccine-derived avian metapneumovirus*. Avian Pathology, 40(5):525-30.
- 36) **Cecchinato M.**, Comin A., Bonfanti L., Terregino C., Monne I., Lorenzetto M., Marangon S., 2011. *Epidemiology and Control of Low Pathogenicity Avian Influenza Infections in Rural Poultry in Italy*. Avian Diseases, 55(1):13-20.
- 37) Busani L., Capelli G., **Cecchinato M.**, Lorenzetto M., Savini G., Terregino C., Vio P., Bonfanti L., Pozza M.D., Marangon S., 2011. *West Nile virus circulation in Veneto region in 2008-2009*. Epidemiology and Infection, 139(6):818-825.
- 38) Dalla Pozza M., Valerii L., Graziani M., Ianniello M., Bagni M., Damiani S., Ravarotto L., Busani L., Ceolin C., Terregino C., **Cecchinato M.**, Marangon S., Lelli R., Alessandrini B., 2010. *An Electronic Learning Course on avian influenza in Italy (2008)*. Avian Diseases, 54:784-786.
- 39) **Cecchinato M.**, Catelli E., Lupini C., Ricchizzi E., Clubbe J., Battilani M., Naylor C.J., 2010. *Avian metapneumovirus (AMPV) attachment protein involvement in probable virus evolution concurrent with mass live vaccine introduction*. Veterinary Microbiology, 146:24-34.
- 40) Catelli E., Lupini C., **Cecchinato M.**, Ricchizzi E., Brown P., Naylor C.J., 2010. *Field avian metapneumovirus evolution avoiding vaccine induced immunity*. Vaccine, 28(4):916-921.
- 41) Sartore S., Bonfanti L., Lorenzetto M., **Cecchinato M.**, Marangon S., 2010. *The effects of control measures on the economic burden associated with epidemics of avian influenza in Italy*. Poultry Science, 89:1115-1121.
- 42) **Cecchinato M.**, Ceolin C., Busani L., Dalla Pozza M., Terregino C., Moreno A., Bonfanti L., Marangon S., 2010. *Low pathogenicity avian Influenza in Italy during 2007 and 2008: epidemiology and control*. Avian Diseases, 54:323-328.
- 43) Busani L., Toson M., Stegeman A., Dalla Pozza M., Comin A., Mulatti P., **Cecchinato M.**, Marangon S., 2009. *Vaccination reduced the incidence of outbreaks of low pathogenic avian influenza in northern Italy*. Vaccine, 27(27):3655-3661.
- 44) Lupini C., **Cecchinato M.**, Scagliarini A., Graziani R., Catelli E., 2009. *In vitro activity of chestnut and quebracho woods extracts against avian reovirus and metapneumovirus*. Research in Veterinary Science, 87(3):482-487.
- 45) Bonfanti L., **Cecchinato M.**, Ciaravino G., Montarsi F., Lorenzetto M., Natale A., Bortolotti L., Ceglie L., Marangon S., 2008. *Gestione e controllo dell'infezione da Blue tongue virus sierotipo 8 (BTV-8) in Veneto*. Large Animal Review, 14:259-266.

- 46) Marangon S., **Cecchinato M.**, Capua I., 2008. *Use of Vaccination in Avian Influenza Control and Eradication*. Zoonoses Public Health, 55(1):65-72.
- 47) **Cecchinato M.**, Bonfanti L., Marangon S., Terregino C., Monne I., Luppi A., 2008. *Low pathogenic avian influenza in Italy*. Veterinary Record, 162(2):64.
- 48) Bolognesi P.G., Galuppi R., Catelli E., **Cecchinato M.**, Frasnelli M., Raffini E., Marzadori F., Tampieri M.P., 2006. *Outbreak of Eimeria Kofoidi and E. legionensis coccidiosis in red legged Partridges (Alectoris Rufa)*. Italian Journal of Animal Science, 5(3):318-320.
- 49) Catelli E., **Cecchinato M.**, Savage C.E., Jones R.C., Naylor C.J., 2006. *Demonstration of loss of attenuation and extended field persistence of a live avian metapneumovirus vaccine*. Vaccine, 24:6476-6482.
- 50) Catelli E., **Cecchinato M.**, Delogu M., De Matteo P., Ortali G., Franciosi C., De Marco M.A., Naylor C.J., 2004. *Avian Pneumovirus infection in turkey and broiler farms in Italy: a virological, molecular and serological field survey*. Italian Journal of Animal Science, 3(3): 287-292.
- 51) **Cecchinato M.**, Catelli E., Savage C.E., Jones R.C., Naylor C.J., 2004. *Design, validation, and absolute sensitivity of a novel test for molecular detection of avian pneumovirus*. Journal of Veterinary Diagnostic Investigation, 16:582-585.