

Etat civil

- Duclos Michel
- né en 1960

Situation à l'Académie

- Elu correspondant en 2017
- Section Productions Animales

Titre : Docteur Vétérinaire (Lyon), Docteur de l'Université Paris-6

Situation actuelle : Animateur de l'équipe Alimentation et Systèmes d'élevage (AliSé) de l'UMR Biologie des Oiseaux et Aviculture (BOA)

Coordonnées :

- Professionnelles : INRA UMR83 BOA « Biologie des Oiseaux et Aviculture » 37380 NOUZILLY
- Adresse principale : 4, Le Rocheron, 37210 Vernou sur Brenne, France
- Région Centre Val de Loire
- Portable : 06 76 05 10 27
- Téléphone bureau : 02 47 42 78 26
- Courriel personnel : duclosmichel@wanadoo.fr
- Courriel professionnel : michel.duclos@inra.fr

Formations

- | | |
|-----------|--|
| 1978-1981 | Classe préparatoire Biologie Mathématiques – Lycée du Parc, Lyon |
| 1981-1985 | Ecole Nationale Vétérinaire de Lyon |
| 1985-1986 | DEA Physiologie du Développement (Lyon-I, mention Bien) |
| 1986-1990 | Doctorat de l'Université Paris VI « Physiologie Animale » (Très honorable) |
| 1990 | Docteur en Médecine Vétérinaire de l'Université Lyon-I (Très honorable) |
| 2001 | Habilitation à Diriger des Recherches, Université François Rabelais, Tours |

Carrière

Attaché Scientifique Contractuel de l'INRA (1/12/85 au 30/6/90) dont 1988-1989 : Roslin Institute, Ecosse, Laboratoire du Dr C. Goddard

Chercheur INRA Tours Recherches Avicoles (CR2 1990, CR1 1994, DR2 2004, DR1 2014 à présent)

Directeur de l'Unité de Recherches Avicoles (2007-2016)

Domaines d'expertise

Productions animales, Aviculture, Physiologie animale, Nutrition animale, Qualité viande

Mots clés : Productions animales, Aviculture, Physiologie animale, Nutrition animale, Qualité viande

Fonctions actuelles :

- Directeur de Recherches INRA (DR1) à l'UMR Biologie des Oiseaux et Aviculture (BOA)

Activités académiques ou professionnelles

- Animateur de l'équipe Alimentation et Systèmes d'élevage (Alisé) de l'UMR BOA

- Animateur du Groupe Filières Avicoles de l'INRA

Publications, rapports ou articles (10 maximum)

Bournazel, M., Lessire, M., **Duclos, M.**, Magnin, M., Meme, N., Peyronnet, C., Recoules, E., Quinsac, A., Labussière, E., Narcy, A. (2018). Effects of rapeseed meal fiber content on phosphorus and calcium digestibility in growing pigs fed diets without or with microbial phytase *Animal*. 2018 Jan;12(1):34-42

Praud C, Al Ahmadi S, Voldoire E, Le Vern Y, Godet E, Couroussé N, Graulet B, Le Bihan Duval E, Berri C, **Duclos MJ**. Beta-carotene preferentially regulates chicken myoblast proliferation withdrawal and differentiation commitment via BCO1 activity and retinoic acid production. *Exp Cell Res*. 2017 Sep 15;358(2):140-146.

Recoules E, Sabboh-Jourdan H, Narcy A, Lessire M, Harichaux G, Labas V, **Duclos MJ**, Réhault-Godbert S. Exploring the in vivo digestion of plant proteins in broiler chickens. *Poult Sci*. 2017 Jun 1;96(6):1735-1747.

Valable AS, Narcy A, **Duclos MJ**, Pomar C, Page G, Nasir Z, Magnin M, Létourneau-Montminy MP. Effects of dietary calcium and phosphorus deficiency and subsequent recovery on broiler chicken growth performance and bone characteristics. *Animal*. 2017 Dec 4:1-9.

Rousseau X, Valable AS, Létourneau-Montminy MP, Mème N, Godet E, Magnin M, Nys Y, **Duclos MJ**, Narcy A. Adaptive response of broilers to dietary phosphorus and calcium restrictions. *Poult Sci*. 2016 Dec 1;95(12):2849-2860.

Baéza E, Gondret F, Chartrin P, Le Bihan-Duval E, Berri C, Gabriel I, Narcy A, Lessire M, Métayer-Coustard S, Collin A, Jégou M, Lagarrigue S, **Duclos MJ**. 2015. The ability of genetically lean or fat slow-growing chickens to synthesize and store lipids is not altered by the dietary energy source. *Animal*. 9 (10):1643-52.

Duclos, M. J. (Editeur), Nys, Y. (Editeur) (2015). XVI European Symposium on the Quality of Eggs and Egg Products - XXII European Symposium on the Quality of Poultry Meat . Book of Abstracts. *World's Poultry Science Journal*, 71, supplement 1. XVI European Symposium on the Quality of Eggs and Egg Products - XXII European Symposium on the Quality of Poultry Meat, Nantes, FRA (2015-05-10 - 2015-05-13). FRA : French Branch of World's Poultry Science Association.

Jlali M, Graulet B, Chauveau-Duriot B, Godet E, Praud C, Nunes CS, Le Bihan-Duval E, Berri C, **Duclos MJ**. 2014. Nutrigenetics of carotenoid metabolism in the chicken: a polymorphism at the β,β -carotene 15,15'-mono-oxygenase 1 (BCMO1) locus affects the response to dietary β -carotene. *Br J Nutr*. 111(12):2079-88.

Duclos, M., Beaumont, C., Berri, C., Collin, A., Coustham, V., Duval, E., Grasteau, S., Guilloteau, L., Lessire, M., Narcy, A., Blesbois, E., Calandreau, L., Froment, P., Govoroun, M., Leterrier, C., Denesvre, C., Doublet, B., Lalmanach, A.-C., Marc, D., Schouler, C., Silvestre, A., Le Bourhis, M.-C., Fernandez, X., Pitel, F., Vignal, A., Bed'Hom, B., Pinard - Van Der Laan, M.-H., Tixier-Boichard, M., Zerjal, T., Le Roy,

P., Germain, K., GUERIN, J.-L., Paul, M., Engel, E., Jondreville, C., Magras, C., Guillou, S., Fortané, N., Malher, X., Bouvarel, I. (2015). Volailles : les chercheurs veillent au grain. *Site INRA - Presse - Dossiers de Presse*.

Duclos MJ. Insulin-like growth factor-I (IGF-1) mRNA levels and chicken muscle growth. *J Physiol Pharmacol.* 2005 Jun;56 Suppl 3:25-35. Review.

Activités éditoriales - Editeur associé de *Poultry Science*, section « Molecular, cellular and developmental physiology, 2007-2008

Short Bio (anglais)

Michel DUCLOS is research director (1st class) at INRA, where he led the Poultry Research Unit (Unité de Recherches Avicoles) from 2008 to 2016 (about 50 INRA holders). Since 2017, he is the coordinator of the Feed and Breeding System team (AliSé) in this unit, and co-responsible of the UMT BIRD ASTER program, a collaboration program between INRA and the Technical Institutes (ITAVI, SYSAAF and ITAB) under the auspice of the French Ministry of Agriculture. Responsible with Pr B. LAURIOUX of the work package "Gastronomie Santé Bien-Etre" of the interdisciplinary program "Intelligence des Patrimoines" (ARD2020-I-Pat), he is also a member of the Steering committee of the "Pôle Alimentation" of the University of Tours, a multidisciplinary exchange structure on food issues. Graduate of the National Veterinary School of Lyon (2005), DVM (1990), PhD of the University Paris-6 (1990, speciality Animal Physiology), holder of an HDR of the University of Tours, Dr. Michel DUCLOS has written numerous articles on the physiology and genetics of poultry (65). He has also given numerous lectures in France and abroad on these subjects (20), and has led the scientific organization of international congresses in the field of poultry science (European Poultry Conference, 2010) and, more specifically, the quality of poultry meat (Eggmeat 2015). He is a member of the board of the French branch of the World Poultry Science Association, of which he was secretary from 2013 to 2017. He has also been active at the European Federation of WPSA Branches and has led the European Working Group "Poultry Meat Quality" from 2010 to 2014. Michel Duclos is also a member of the steering committee of the Master of Science "Physiopathology" at the University of Tours.