

## **Curriculum Vitae Alessia Di Giancamillo - 2019**

### **Mailing Address:**

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**CURRENT POSITION:** From April 2015 Associate Professor in Veterinary Anatomy at Department Veterinary Science for Health, Animal production and Food Safety (VESPA), University of Milan.

### **PREVIOUS POSITIONS**

**2012-marzo 2015:** Research Contract at IRCCS Istituto Ortopedico Galeazzi, Milano

**2011-2012:** Research contract at the Department of Veterinary Sciences and Technologies for Food Safety - University of Milan

**2011:** Research Contract at IRCCS Ospedale San Raffaele, Milano.

**2010:** Scholarship in the project "Women in Scientific Research"

**2008-2010:** Research Contract at the Department of Veterinary Sciences and Technologies for Food Safety - University of Milan

**2004-2008:** Research contract at the Department of Veterinary Sciences and Technologies for Food Safety - University of Milan

**2000:** Scholarship at ICRSS Istituto Carlo Besta, via Celoria, 11 – 20133, Milano, con delibera n. 289 del 15 maggio 2000.

### **EDUCATION**

**March 1998:** Degree in "Veterinary Medicine" - Faculty of Veterinary Medicine, University of Milan with 110/110 *cum laude*.

**2000-2003:** PhD in Animal Nutrition and Dietetic with the project "Dietary supplements: modification of the intestinal morpho-functional pattern in piglets at weaning" at the Department of Veterinary Sciences and Technologies for Food Safety - University of Milan.

### **CURRENT TEACHING:**

Animal Anatomy, degree course: Animal Science

Veterinary Anatomy part 2, degree course Veterinary Medicine

Fish Anatomy, degree course Animal Production Science

Veterinary Anatomy professor in different School of Specialization and PhD courses, University of Milan:

SWINE PATHOLOGY (Tutor of the school)

COMPANION ANIMALS PATHOLOGY

HORSE MEDICINE AND SURGERY

FOOD INSPECTION

POULTRY AND RABBIT SCIENCE

ODONTOSTOMATOLOGY PHD SCHOOL

### **MEMBERSHIP OF PROFESSIONAL BODIES:**

AMV – Associazione Italiana Morfologi Veterinari

## **KEY QUALIFICATIONS:**

- Morpho-functional aspects of both the alimentary tract and the adipose tissue in monogastric (swine and rabbit) and polygastric (ruminants) mammals.
- Micro-anatomical study of native and engineered chondral, meniscal, tendon and bone tissues:
- Micro-anatomical study of fish muscle for aquaculture
- Micro-anatomical study for forensic medicine problem resolution

Authors of more than 72 publications on international journals and co-inventor of the international patent – “COMPOSITE SCAFFOLD FOR OSTHEOCONDAL REPLACEMENT”

## **RECENT PUBLICATIONS**

1. Peretti GM, Polito U, Di Giancamillo M, Andreis ME, Boschetti F, **Di Giancamillo** . 2018 SWINE MENISCUS: ARE FEMORAL-TIBIAL SURFACES PROPERLY TUNED TO BEAR THE FORCES EXERTED ON THE TISSUE? *Tissue Eng Part A*. 2019 Nov 6. doi: 10.1089/ten.TEA.2018.0197.
2. Rossi R, Corino C, Modina S, **Di Giancamillo A**. Dietary Verbascoside Influences Gut Morphology and the Expression of  $\alpha$ -Transducin and  $\alpha$ -Gustducin in the Small Intestine of Weaned Piglets Exposed to n-6 Polyunsaturated Fatty Acids-Induced Oxidative Stress. *Animals (Basel)*. 2019 Jan 10;9(1). pii: E20. doi: 10.3390/ani9010020.
3. Aidos L., Vasconi M., Abbate F., Valente LMP, Lanfranchi M., **Di Giancamillo A.**, Effects of stocking density on reared Siberian sturgeon (*Acipenser baerii*) larval growth, muscle development and fatty acids composition in a recirculating aquaculture system. 2018. *Aquaculture Research*, Vol 50, Issue 2. <https://doi.org/10.1111/are.13936>.
4. Raimondi MT, Laganà M, Conci C, Crestani M, **Di Giancamillo A**, Gervaso F, Deponti D, Boschetti F, Nava MM, Scandone C, Domeneghini C, Sannino A, Peretti GM. 2018. Development and biological validation of a cyclic stretch culture system for the ex vivo engineering of tendons. *Int J Artif Organs*. 2018 May 1:391398818774496. doi: 10.1177/0391398818774496.
5. Vasconi M, Aidos L., **Di Giancamillo A.**, Bellagamba F., Domeneghini C., Moretti VM. 2018- Effect of temperature on fatty acid composition and development of unfed Siberian sturgeon (*A. baerii*) larvae. *J. Appl. Ichthyol*. <https://doi.org/10.1111/jai.13725>-
6. Tessaro I, Nguyen VT, **Di Giancamillo A**, Agnoletto M, Verdoni F, Domenicucci M, Scurati R, Peretti GM, Mangiavini L. Animal models for cartilage repair. *J Biol Regul Homeost Agents*. 2018 Nov-Dec;32(6 Suppl. 1):105-116.
7. Tessaro I, **Di Giancamillo A**, Benasciutti E, Nguyen VT, Polito U, Mangiavini L, Peretti GM. Characterization of different *in vitro* culture conditions to induce a fibro-chondrogenic differentiation of swine adipose-derived stem cells. *J Biol Regul Homeost Agents*. 2018 Nov-Dec;32(6 Suppl. 1):97-103
8. Aidos L., Vasconi M., Abbate F., Valente LMP, Lanfranchi M., **Di Giancamillo A.**, Effects of stocking density on reared Siberian sturgeon (*Acipenser baerii*) larval growth, muscle development and fatty acids composition in a recirculating aquaculture system. 2018. *Aquaculture Research*, Vol 50, Issue 2. <https://doi.org/10.1111/are.13936>

9. **Di Giancamillo A**, Rossi R, Martino PA, Aidos L, Maghin F, Domeneghini C, Corino C. 2018. Copper sulphate forms in piglet diets: Microbiota, intestinal morphology and enteric nervous system glial cells. *Anim Science Journal*. 2018 Mar;89(3):616-624. doi: 10.1111/asj.12948.
10. Aidos L., Valente L.M.P., Sousa V., Lanfranchi M., Domeneghini C., **Di Giancamillo A**. (2017). Effects of different rearing temperatures on muscle development and stress response in the early larval stages of *Acipenser baerii*. *European Journal of Histochemistry*. 61(4): 287-294.
11. **Di Giancamillo A**, Deponti D, Modina S, Tessaro I, Domeneghini C, Peretti GM. (2017), Age-related modulation of angiogenesis-regulating factors in the swine meniscus. *Journal of Cellular and Molecular Medicine*. Jun 4. doi: 10.1111/jcmm.13218.
12. **Di Giancamillo A**, Andreis ME, Taini P, Veronesi MC, Di Giancamillo M, Modina SC. (2016). Cartilage canals in newborn dogs: histochemical and immunohistochemical findings. *European Journal of Histochemistry*. 15;60(3):2701. doi: 10.4081/ejh.2016.2701.
13. **Di Giancamillo A.**, Rossi R., Pastorelli G., Deponti D., Carollo V., Casamassima D., Domeneghini C., Corino C. (2015). The effects of dietary verbascoside on blood and liver oxidative stress status induced by a high n-6 polyunsaturated fatty acids diet in piglets *Histology and Histopathology* doi: 10.2527/jas2014-8607.
14. **Di Giancamillo A.**, Deponti D., Addis A., Domeneghini C., Peretti GM. (2014). Meniscus maturation in the swine model: changes occurring along with anterior to posterior and medial to lateral aspect during growth. *Journal of Cellular and Molecular Medicine*. 10: 1964-1974.
15. **Di Giancamillo, A.**, Rossi, R., Vitari, F., Carollo, V., Deponti, D., Corino, C., Domeneghini, C. (2013). Evidence of nitrosative stress biomarkers changes in the swine intestine following dietary intervention with verbascoside. *Histology and Histopathology*, 28: 715-723.