

ARNABOLDI FRANCESCA, PhD	
Arnaboldi Francesca	
PhD, Assistant professor	
BIOS-12/A Human Anatomy	
University Of Milan, Faculty of Medicine and Surgery, Department of Biomedical Science for Health	
<i>Education and Academic position</i>	
<p>2023- National Scientific Qualification for Associate Professor SSD BIOS-12/A Human Anatomy</p> <p>2011- Confirmed assistant professor, SSD BIOS-12/A Human Anatomy- Faculty of Medicine and Surgery, Università degli Studi, Milan.</p> <p>2007-2011- Four-years contract for research for the project “Analisi Morfometrica dei Macronoduli di rigenerazione e del carcinoma epatocellulare nel fegato cirrotico umano” - Faculty of Medicine and Surgery, Università degli Studi, Milan.</p> <p>2006- Qualification as “cultore della materia”, SSD BIOS-12/A, Human Anatomy- Faculty of Medicine and Surgery, Università degli Studi, Milan.</p> <p>2003-2006- PhD in “Morphological Sciences” – Department of Human Morphology - Faculty of Medicine and Surgery, Università degli Studi, Milan.</p> <p>2005- Qualification as Biologist - Università degli Studi, Milan.</p> <p>2003- Degree in Biological Science – Università degli Studi dell’Insubria, Varese.</p>	
<i>Didactic activity</i>	
<ul style="list-style-type: none"> · Teacher for the students of the course degree in Medicine and Surgery and tutor for practicals with plastic models and slides of human organs for observations at microscope · Teacher for the students of the course degree of Nursing · Teacher for the students of the course degree of Pediatric Nursing · Teacher for the students of the course degree of Techniques for Prevention of Environment and Workplace, Professional Educators, and Sanitary Assistance · Teacher for the PhD students in Translational Medicine, practicals activities 	
<i>Main research activity</i>	
<p>The research activity has been carried out, since the beginning, in the Faculty of Medicine and Surgery, Università degli Studi, Milan, where she acquired the different morphological methodologies for the study of human anatomy. Since 2018, she has been responsible for the “Morpholab” Laboratory of the Department of Biomedical Sciences for Health of the University of Milan where she carries out studies concerning the role of Toll-Like receptors in different conditions (during murine embryonic development, in psoriatic skin, in epicardial adipose tissue, etc.) using structural and ultrastructural morphology techniques and where she carries out studies for the scientific collaborations in which she is involved:</p> <ul style="list-style-type: none"> · Role of the innate immune system in the pathogenesis of inflammatory diseases. · Expression of Toll-Like receptors during murine embryonic development. · Expression of Toll-Like receptors in epicardial adipose tissue in patients with coronary disease. · The epithelial barrier in psoriatic skin: role of Toll-like receptors. · Effect of pro-inflammatory cytokines on Langerhans cells in a three-dimensional organotypic model of human skin in psoriasis. · Effect on the epithelial compartment of different exogenous stimuli such as pro-inflammatory cytokines and UV radiation. · Structural and ultrastructural changes of the skin in dyslipidemic and apolipoprotein apoA-I knock-out mice. · Study of the expression of the cancer testis antigen Sp-17 in different organs during murine embryonic development. · Collagen turnover pathways in primary muscle fibroblasts obtained from a Dystrophic Mouse Model of Duchenne Muscular Dystrophy and cross-talk with the skeletal muscle cells <p>Techniques used: optical and transmission electron microscopy, immunolocalization techniques.</p>	
<i>Organization of International Congress</i>	

<p>2019: Milan, Italy, 24th World Congress of Dermatology, <i>scientific organization</i> and scientific oral presenter</p> <p>2017: Milan, Italy, 43th Annual Meeting of Society for Cutaneous Ultrastructure Research, <i>scientific organization</i> and poster presenter.</p>
Research Support
<p>2023</p> <p>- PRIN, team member, “Repurposing of PPAR modulators: a novel strategy to awaken T-cell immunity in the Elderly (PAST TIME)”</p> <p>2021</p> <p>- Unimi grant for “progetti Linea2”, Co- investigator, “Collagen turnover pathways in primary muscle fibroblasts obtained from a Dystrophic Mouse Model of Duchenne Muscular Dystrophy and cross-talk with the skeletal muscle cells”</p> <p>2018</p> <p>- Unimi grant for “progetti Linea2”, Principal Investigator, “Role of PD-1 blocking in negatively regulating TLR9-activated NK cells in the tumor microenvironment”.</p> <p>- Unimi grant for “progetti Linea2”, co-investigator “Role of tumor-associated macrophages in promoting the detrimental effect associated with anti-PD-1 blocking therapy”.</p> <p>2017</p> <p>- My First Airc Grant, team member, “Detrimental effect of anti-PD-1 antibody treatment on tumor growth: role of innate immune and stromal cells?”; Type: Individual Grant – MFAG; Project Code: 20554.</p> <p>- “Unimi grant for “progetti Linea2”, team member, “Role of tumor-associated macrophages in promoting the detrimental effect associated with anti-PD-1 blocking therapy”.</p> <p>2015</p> <p>- Fondazione Banca del Monte di Lombardia, team member, “Effetto di citochine proinfiammatorie della psoriasi su recettori specifici in un modello tridimensionale di cute”</p> <p>2014</p> <p>- “Unimi grant for “progetti Linea2”, team member, “Co-culture of Caco2 and HT-29 cells as an innovative method to mimic in vitro morphology and permeability properties of human intestinal epithelium”.</p>
Author information and bibliometric indexes
<p>Scopus ID: 8048450700</p> <p>ORCID: 0000-0003-2041-9928</p> <p>h-index: 15</p> <p>N. of publication: 34</p>
Academic assignment
<p>2018 and 2019: Commission member for the evaluation of candidates for scientific collaboration contract for the Department of Biomedical Science for the Health, Faculty of Medicine and Surgery, Università degli Studi, Milan.</p>
Professional Memberships
<p>2006- Member, Italian Society of Anatomy and Histology (SIAI)</p> <p>2014- Member, Society for Cutaneous Ultrastructure Research (SCUR)</p> <p>2019- Member, International Society for the study of Connective Tissue</p>
Editorial activity
<p>2014</p> <p>Kamina P. (Ed.), Donetti E, Arnaboldi F, Cornaghi L. Translation and curation (italian edition). “ATLAS D’ANATOMIE” (Maloine). Piccin.</p> <p>2015</p> <p>Fleckenstein P., Tranum-Jensen J. (Ed.) Donetti E, Dolci C, Arnaboldi F. Translation and curation (italian edition). “ANATOMY IN DIAGNOSTIC IMAGING” (Wiley Blackwell). Piccin.</p> <p>2019</p> <p>Neumann D.A. Donetti E, Arnaboldi F, Cornaghi L, translation (Italian edition) “Kinesiology of the Musculoskeletal System, Foundations for Rehabilitation, 3rd Edition” (Elsevier). Piccin.</p> <p>2021</p> <p>Gagliano N, Arnaboldi F. Eserciziario di anatomia microscopica, Piccin.</p> <p>2023</p> <p>Gagliano N, Arnaboldi F, Moscheni C. Eserciziario di Istologia, Piccin.</p>
Reviewer activity
<p>Scientific Reports</p> <p>BioMed Research International</p> <p>Cellular and Molecular Life Sciences</p> <p>International Journal of Women's Health</p>

Annals of Medicine
<i>Member of Editorial Board</i>
Research and Development Science PG
<i>Guest Editor Activity</i>
<p>2022</p> <ul style="list-style-type: none"> - Topic Invited Editor for the Special Issue: "The cytoskeleton: Structural, Functional, and Pathological Aspects" Cells (ISSN: 2073 - 4409), section "Cell motility and adhesion". - Topic Invited Editor for the Special Issue "Role and Regulation of Toll-Like Receptors and Signalings in Development and Disease", Cells (ISSN 2073-4409, IF: 7.66), section "Cell Signaling". <p>2023</p> <p>Topic Invited Editor for the Special Issue "Toll-Like Receptors in Various Pathologies", in Frontiers in Bioscience-Landmark (ISSN: 2768-6698; IF: 3.11).</p>

14/11/2024