

**FABIOLA MORETTI**

**12/2020**

CURRENT POSITION: Group leader, Institute of Cell Biology and Neurobiology, National Research Center of Italy (CNR)/Associate Researcher Regina Elena National Cancer Institute

DATE/PLACE OF BIRTH: December 19, 1961 Italy

### **EDUCATION**

1998 Specialization degree with honours in Medical Genetic, University of Rome "La Sapienza"  
1985 Master degree with honours in Biological Sciences, University of Rome "La Sapienza"

### **MOST RECENT POSITIONS**

2017-2019 Visiting Scientist Regina Elena National Cancer Institute, Italy  
2016: Visiting Professor, University of KuLeuven (Belgium)  
2013-today Faculty member of the PhD course "Sciences of Nutrition, Metabolism, Aging and Gender pathology" Catholic University of Rome (Italy)  
2007-today Group Leader, Institute of Cell Biology and Neurobiology - CNR, Rome, Italy

### **PERSONAL RESEARCH GRANTS (last 5 years)**

2011-2015: "FaReBio di Qualità - Reference Laboratory for development of innovative drugs" Grant from Ministry of Economy  
2013-2016: "Role of steroid hormones in the regulation of MDM4/p53 mediated activity in response to DNA damage" Grant from: Italian Association for Cancer Research (AIRC)  
2017-2019: "Activity of estrogen on FSHD muscle differentiation" Grant from FSH Society, USA  
2019-2023: "Development towards clinical application of the anticancer peptide Pep3 for reactivation of p53" Grant from: Italian Association for Cancer Research (AIRC)

### **MAIN DOMAIN OF RESEARCH**

During recent years, my scientific interests have been focused to the response of the cells to environmental signals. As such, we have contributed to define the intracellular platforms controlling p53 activity, and its regulators MDM2 and MDM4, in response to DNA damage, especially chemotherapy with particular focus to hormone sensitive tumors. In more recent years, I have expanded the research of my group to study the role of hormones in the differentiation process of human tissue, included skeletal muscle.

### **Most Relevant Recent Publications last 5 years**

1. Lucà R...**Moretti F.** Estrogens Counteract Platinum-Chemosensitivity by Modifying the Subcellular Localization of MDM4. *Cancers* (Basel). 2019 Sep 12;11(9).
2. Mancini F, .., **Moretti F.** MDM4 actively restrains cytoplasmic mTORC1 by sensing nutrient availability *Mol. Cancer* 2017 Mar 7;16(1):55.
3. Teveroni E, .., **Moretti F.** Estrogens enhance myoblast differentiation in facioscapulohumeral muscular dystrophy by antagonizing DUX4 activity– *J. Clin. Invest* Mar 2017 Apr 3;127(4):1531-1545.
4. Luca E, .. **Moretti F.** Intake of Boron, Cadmium, and Molybdenum enhances rat thyroid cell transformation. *J. Exp Clin Cancer Res*, 2017 Jun 2;36(1):73.
5. Mancini F, .., **Moretti F.** MDM4/HIPK2/p53 cytoplasmic assembly uncovers coordinated repression of molecules with anti-apoptotic activity during early DNA damage response. *Oncogene* 2016 35: 228-240.
6. Pellegrino M, .., **Moretti F.** Targeting the MDM2/MDM4 interaction interface as a promising approach for p53 reactivation therapy. *Cancer Res.* 2015, Nov 1;75(21):4560-72.