

PERSONAL INFORMATION

Valeria Bianconi



WORK EXPERIENCE

Novembre 2017- present

PhD student

Cellular and developmental biology PhD course at Laboratory of Dr. Chiara Mozzetta, Biology and biotechnology Department (BBCD), La Sapienza University of Rome, Piazzale Aldo Moro 5, Rome (Italy). Research project: role of H3K9 methyltransferases in skeletal muscle regeneration. Epigenetics approach as pharmacological therapy for skeletal muscle disease.

May 2016 – October 2017

Research Fellow

Laboratory of Dr. Chiara Mozzetta, Biology and biotechnology Department (BBCD), La Sapienza University of Rome, Piazzale Aldo Moro 5, Rome (Italy). Research project: role of H3K9 methyltransferases in skeletal muscle regeneration. Epigenetics approach as pharmacological therapy for skeletal muscle disease.

February 2016 – May 2016

Research Fellow

Laboratory of Epigenetic and Stem cells, Dr. Chiara Lanzuolo, Consiglio Nazionale delle Ricerche CNR, Via del Fosso di Fiorano, 64, Rome
Research project: epigenetic and muscle regeneration.

April 2015 – November 2015

Research Fellow

Biology Department, laboratory of Dr. Cesare Gargioli. Tor Vergata University of Rome, Via della Ricerca Scientifica 1, Rome (Italy)
Research Project: tissue engineering with myogenic Hydrogel for advanced cell therapy in Muscular Dystrophy.

May 2014 - November 2014

Post-graduated fellow

Laboratory of Epigenetic and Regenerative Pharmacology, Prof. Pier Lorenzo Puri. Fondazione Santa Lucia - Consiglio Nazionale delle Ricerche (CNR), Via del Fosso di Fiorano, 64 Rome (Italy)
Research Project: study of regeneration-associated autophagy during compensatory stage in Duchenne Muscular Dystrophy progression, in mdx mice and human patients.

1 May 2014- 31 May 2014

Collaboration contract as Molecular and Cellular Biologist

Occasional freelance work contract with Fondazione Santa Lucia, via Ardeatina 306 , 00143, Rome

October 2012 - May 2014

Internship for Master 's degree in Molecular and Cellular Biology

Laboratory of Epigenetic and Regenerative Pharmacology, Prof. Pier Lorenzo Puri. Fondazione Santa Lucia - Consiglio Nazionale delle Ricerche (CNR), Via del Fosso di Fiorano, 64 Rome (Italy)
Research Project: characterization of the role of autophagy during the Duchenne Muscular dystrophy progression and in response to HDACIs.

EDUCATION AND TRAINING

- 28-31 March 2017 **RNAseq analysis workshop**
Molecular biotechnology center, University of Turin, Italy
- November 2016 **Felasa Certification**
FELASA - Cat. B (N. F023/09) Functions A, C, D, modules 10, 20, 21, 22 Species: mouse and rat
- December 2014 **Qualification to practice Biologist Profession**
Passed qualification to practice professional activity of Biologist (University of Rome Tor Vergata)
- October 2011- May 2014 **Master of Science in Molecular and Cellular Biology, Score: 110/110 cum laude (2nd level equivalent)**
Tor Vergata University of Rome, Rome (Italy), Facoltà di Scienze matematiche, fisiche e naturali.
Title of thesis: "Role of autophagy during the progression of Duchenne Muscular Dystrophy and in response to HDACi".
- October 2002 - July 2011 **Bachelor of Science in Biotechnology, Score: 102/110 (1st level equivalent)**
University of Rome Tor Vergata, Rome (Italy), Facoltà di Scienze matematiche, fisiche e naturali
Title of thesis: "Role of transglutaminase of type II during sepsis: differentiation of dendritic cells"
Internship in Istituto Nazionale per le Malattie Infettive "Lazzaro Spallanzani" Rome, Italy, laboratory of electronic microscopy (Dott. Mauro Piacentini, Dott.ssa Laura Falasca).
- September 1997- July 2002 **High school degree – Liceo Linguistico (Score: 98/100)**
Liceo linguistico "V.A.Ruiz", Viale Africa, Rome
Knowledges: Mathematics, Physics, Chemistry, Biology, English, German, Spanish

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	English: <u>proficient user (C1)</u> . German: <u>basic user (A1)</u> . Spanish: <u>basic user (A2)</u> .
Communication/organisation skills	Excellent communication skills in multicultural environment . Excellent ability to work under pressure to meet deadlines. Excellent ability to absorb details and learn new processes quickly.
Job-related skills	Cell culture (stem cells, cell lines, co-culture), Infection and transfection, animal models (FELASA certification , colonies management, handling and administration of substances, surgical techniques and samples collection) , Biomaterials, Facs analysis, protein and nucleic acid extraction, Western blotting, RT-PCR, qPCR, Histology (fixing, inclusion, cryostat cutting, stainings and preparation of cell or tissue samples for optic microscope analysis), Immunofluorescence, Immunohistochemistry, Microscopy. Legal and legislative knowledge about safety and hygiene standard, biological risk assessment (D.L. 81/08, 626/94); standard on OGM (D.L. 206/2001, 224/2003); international standard for laboratory accreditation and for laboratory quality system (ISO 17025:2005 e ISO 9001:2008).
Computer skills	Advanced knowledge of Mac / Windows systems. Advanced knowledge of Microsoft Office™ tools. Advanced knowledge of Photoshop and ImageJ software.

ADDITIONAL INFORMATION

Publications	Fiacco E, Bianconi V. , Castagnetti F, Madaro L, Nazio F, D'Amico A, Bertini E, Cecconi F, Puri PL, Latella L. "Autophagy regulates satellite cell ability to regenerate normal and dystrophic muscles" <i>Cell Death Differ.</i> 2016 Nov 1;23(11):1839-1849
Abstract publications	Bianconi V. , Biferali B., Mozzetta C., "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" <u>(abstract publication for IIM 2017 on special issue of European Journal of Translation Myology)</u> Bianconi V. , Biferali B., Mozzetta C., "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" <u>(abstract publication for IIM 2016 on special issue of European Journal of Translation Myology)</u> Biferali B., Bianconi V. , Mozzetta C., "Role of h3 lysine 9 methyltransferase during Duchenne Muscular Dystrophy progression " <u>(abstract publication for IIM 2016 on special issue of European Journal of Translation Myology)</u> Castagnetti C., Fiacco E. , Bianconi V. , Puri P. L., Latella L. "Autophagy regulates satellite cell ability to regenerate normal and dystrophic muscles" " <u>(abstract publication for IIM 2016 on special issue of European Journal of Translation Myology)</u> Fiacco E, Bianconi V. , Castagnetti F, Madaro L, Nazio F, D'Amico A, Bertini E, Cecconi F, Puri PL, Latella L. "Autophagy regulates satellite cell ability to regenerate normal and dystrophic muscles" <u>(abstract publication for IIM 2014)</u> Bianconi V. Fiacco E., Puri PL., Latella L., "Role of autophagy during DMD progression and response to HDACi" <u>(abstract publication for IIM 2013)</u>
Oral presentations	Bianconi V. , Biferali B., Mozzetta C., "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" (at Muscle Development, Regeneration and Disease 2018 Students' day) Bianconi V. , Biferali B., Mozzetta C., "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" <u>(at IIM 2017)</u> Bianconi V. Fiacco E., Puri PL., Latella L., "Role of autophagy during DMD progression and response to HDACi" (at IIM 2013)

- Poster presentations/partecipation
- Muscle Development, Regeneration and Disease 2018 (Berlin, Germany 2018) "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" **Bianconi V**, Biferali B., Mozzetta C. **poster presentation**
 - Muscle Developmental Regeneration and Disease 2018 (Berlin, Germany 2018) "H3K9 methylation controls Fibro-Adipogenic Progenitors identity and skeletal muscle repair". Biferali B, **Bianconi V**, Maggio R, Santini T, Peruzzi G, Mozzetta C **poster participation**
 - 2017 Myogenesis Gordon Research Conference (Lucca, Italy) "Epigenetic regulation of Fibro-Adipogenic Progenitors' plasticity during skeletal muscle regeneration and disease" Biferali B, **Bianconi V**, Mozzetta C **poster participation**
 - XII Meeting interuniversity institute of Myology IIM (Assisi, Italy 2016) "Histone 3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" **Bianconi V**, Biferali B., Mozzetta C. , **poster presentation**
 - EMBO Conference "Autophagy signalling and progression in health and disease" (Chia, Sardinia, Italy 2015) Fiacco E., **Bianconi V**, Puri PL., Latella L. **poster participation**
 - Gordon Research Conference (Lucca, Italia 2013) "Autophagy during DMD progression" Fiacco E., **Bianconi V**, Latella L., Puri PL., **poster participation**
- Award
- Winner of prize for best poster presented at **XII Meeting interuniversity institute of Myology IIM** "Histone h3 lysine 9 methyltransferases G9a and GLP as potential pharmacological targets in skeletal muscle regeneration and Duchenne Muscular Dystrophy" **Bianconi V**, Biferali B., Mozzetta C.
- Conferences:
- 21-22 April 2018 Muscle Development, Regeneration and Disease 2018 Students' Day (Berlin, Germany 2018)
 - 22-27 April 2018 Muscle Development, Regeneration and Disease 2018 (Berlin, Germany 2018)
 - 17-18 February 2018 XV International conference for Duchenne Muscular Dystrophy and Becker PARENT PROJECT (Rome)
 - 12-15 October 2017 XIV meeting interuniversity institute of myology IIM (Assisi,Italy)
 - 13-16 October 2016 XIII meeting interuniversity institute of myology IIM (Assisi,Italy)
 - 12-14 February 2016 XIV International conference for Duchenne Muscular Dystrophy and Becker PARENT PROJECT (Rome)
 - 21-22 February 2015 XIII international conference on Duchenne Muscular and Becker dystrophy PARENT PROJECT (Rome, Italy)
 - 2-5 October 2014 XI meeting interuniversity institute of myology IIM (Monteriggioni, Siena, Italy)
 - 20-23 February 2014 XII international conference on Duchenne Muscular and Becker dystrophy PARENT PROJECT (Rome, Italy)
 - 17-20 February 2014 Epigen Annual Meeting (Ergife Palace Hotel, Rome, italy)
 - 10-13 October 2013 X meeting interuniversity institute of myology IIM (Monteriggioni, Siena,Italy)
 - 15-17 April 2013 Epigen Annual Meeting (Ergife Palace Hotel, Rome, italy)
 - 28 February 2013 Conference: "Epigenetics and stem cells" (Accademia Medica Rome, Italy)
 - 18-19 February 2013 XI international conference on Duchenne Muscular and Becker dystrophy PARENT PROJECT (Rome, italy)
- Membership
- Winner scholarship Laziodisu (years 2012-2013)
- Partnership
- Partner Aisal (Association for laboratory animals).
 Volunteer for Race for the cure, S.G. Komen Italy; volunteer for Gemelli Hospital (Rome, Italy)
- References
- Dr.ssa Chiara Mozzetta, contact: chiara.mozzetta@uniroma1.it
 Dr. Cesare Gargioli, contact: cesare.gargioli@uniroma2.it
 Professor Pier Lorenzo Puri, contact: lpuri@sanfordburnham.org
 Dr.ssa Lucia Latella, contact: l.latella@hsantalucia.it

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