



PERSONAL INFORMATION

Email: thivan.nguyen@grupposandonato.it
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WORK EXPERIENCES

- Researcher at Laboratory of Regenerative Medicine and Biomaterials, Ospedale San Raffaele (Milano, Italy), affiliation Istituto Ortopedico Galeazzi (Milano, Italy) Oct 2017-present
- Isolate, culture and study human stem cells from various sources (bone marrow, trabecular bone, acetabulum) of patients who undergo hip replacement surgery to evaluate their therapeutic potential for regenerative orthopedics including bone and cartilage regeneration.
 - Technical skills: Cell isolation and culture, Flow cytometry, Western blot, qPCR, Immunohistochemistry
- Internship at Biorigen S.r.l – a spin-off company specialized in regenerative medicine (Genova, Italy) Mar 2017-Sept 2017
- Perform experiments to examine the therapeutic role of human Platelet lysate – a blood derived product - on human bone and their derived cells – osteoblasts.
 - Technical skills: Human osteoblast isolation and culture, Western blot, ELISA
- Student (Master and PhD) at Laboratory of Regenerative Medicine, University of Genova (Italy) Jan 2012-Mar 2017
- Study human cartilage and its isolated cells (chondrocytes), mouse stem cells
 - Technical skills: Human chondrocyte/cartilage isolation and culture, Immunohistochemistry, qPCR, ELISA, Western blot, Flow cytometry, exosome isolation and analysis using electron microscope
- Trainee at Aging group, Institute of Applied Microbiology, University of Natural Resources and Applied Life Sciences, Vienna (Austria) Mar 2009-Jan 2010
- Study the role of Nopsi protein whose deletion will cause Williams Beuren Syndrome - a rare neurodevelopmental disorder in human.

PUBLICATIONS and PATENT

1. **Nguyen VT**, Cancedda R, Descalzi F. Platelet lysate activates quiescent cell proliferation and reprogramming in human articular cartilage: Involvement of hypoxia inducible factor 1. J Tissue Eng Regen Med. 2017;1– 13. <https://doi.org/10.1002/term.2595>.
 2. Muraglia A, **Nguyen VT**, Nardini M, Moggi M, Coviello D, Dozin B, Strada P, Baldelli I, Formica M, Cancedda R and Mastrogiacomo M (2017) Culture Medium Supplements Derived from Human Platelet and Plasma: Cell Commitment and Proliferation Support. Front. Bioeng. Biotechnol. 5:66. doi: 10.3389/fbioe.2017.00066
 3. Muraglia, A.; **Nguyen, V.T.**; Cancedda, R.; Mastrogiacomo, M. "Cell culture
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EDUCATION

PhD, Regenerative Medicine and Tissue Engineering (3 years) University of Genova, supervisor Prof Ranieri Cancedda Dissertation title: Activation of Resting Articular Cartilage Cells by Human Platelet Lysate: a therapeutic tool in treatment of injured joints	Mar 2017
Msc, Medical and Pharmaceutical Biotechnology (22 months) University of Genova, supervisor Prof Ranieri Cancedda Thesis title: Study of the paracrine signaling pathways of bone marrow derived Mesenchymal Stem Cells	Sept 2013
BA, Bioengineering (6 years) Hanoi University of Technology, thesis performed at University of Natural Resources and Applied Life Sciences, Vienna (Austria) under the direction of Prof Johannes Grillari Thesis title: Cloning, expression and purification of the putative functional <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> homologs of the novel protein Nopsi	June 2010

FELLOWSHIP and SCHOLARSHIPS

Phd fellowship, University of Genova, Italy	Dec 2013
Erasmus Mundus scholarship sponsored by European Commission for Msc program at University of Genova, Italy	May 2011
Erasmus Mundus scholarship sponsored by European Commission for exchange student program at University of Natural Resources and Applied Life Sciences, Vienna (Austria)	Dec 2008
Semester scholarships awarded to excellent students at Hanoi University of Technology, Vietnam	2005-2006

ATTENDED CONFERENCES/COURSES

BioBusiness Summerschool, Amsterdam, The Netherlands. https://www.biobusinesssummerschool.nl/	2016
Il Gruppo Italiano Staminali Mesenchimali. Annual meeting, Brescia, Italy http://www.gismonline.it/	2015
TERMIS (Tissue Engineering and Regenerative Medicine International Society)-EU/Chapter meeting, Italy, http://www.termis.org/	2014

SKILLS

Language	- Vietnamese: Mother tongue
	- English: Excellent
	- Italian: Professional
