

**CURRICULUM VITAE  
DR. MARCO SCALA**



**PERSONAL INFORMATION**

Surname, First name	SCALA, Marco
Address	Via al Capo di Santa Chiara 47/12 16146 Genova, Italy
Telephone	+39 345 3710894
E-mail	marco.scala@hotmail.it
Nationality	Italian
Date of birth	30 April 1954

**WORK EXPERIENCE**

<i>July 2015 - present</i>	<i>Scientific Director</i> Biorigen International, Losanna, Switzerland.
<i>September 2014 - present</i>	<i>Director of the Regenerative Medicine Centre</i> Santa Clara Group, Chieri (TO), Italy.
<i>January 2003- August 2014</i>	<i>Head of Department of Regenerative Medicine</i> Istituto Nazionale per la Ricerca sul Cancro, Genova , Italy.
<i>2010</i>	<i>Medical Director</i> Plastic and Reconstructive Surgery Division, Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy.
<i>1982</i>	<i>Surgeon</i> Surgical Oncology Division, Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy.

## EDUCATION AND TRAINING

- 13/07/1994 *Specialisation in Maxillo-facial surgery*  
University of Verona  
Degree Thesis: Means of access in the treatment of malignant tumours infiltrating the anterior cranial fossa.
- 03/12/1987 *Specialisation in Otorhinolaryngology*  
University of Sassari  
Degree Thesis: Lymph node dissections in patients with head and neck squamous carcinomas (HNSCC).
- 07/07/1983 *Specialisation in Oncology*  
University of Genova  
Degree Thesis: Breast surgery.
- 27/10/1980 *Degree in Medicine and Surgery*  
University of Genova

## STAGES

- 1990 Training in Cryosurgery, *The First Teaching Hospital of Beijing Medical University*, Beijing, China.
- 1991 Training in Cryosurgery, *Xian University*, China.
- 2000 Fellowship in Head and Neck Surgery, *Memorial Sloan Kettering Cancer Center*, New York, USA.
- 2000 Advanced training on platelet gel use for bone tissue regeneration, Prof. Alan Meltzer Laboratory, New Jersey, USA.
- 2011 Training in Photodynamic Therapy, Head & Neck Centre of University of London under the direction of prof. Colin Hopper, London, UK.
- 2012 Training in Photodynamic Therapy, International Netherlands Cancer Institute, Amsterdam, Holland.

## TEACHING

- 2013 First level university Master's degree teacher of Cosmetic Surgery and Aesthetic Medicine, University of Genova, Italy.
- 2013 - 2015 First level university Master's degree *teacher of Transfusion Medicine* on the clinical use of platelet, University of Genova, Italy.

## CONFERENCES

Guest speaker at national and international conferences on Regenerative Medicine.

## PUBLICATIONS

Author of more than 100 articles and academic studies published on national and international medical journals, among them:

*Regenerative Surgery for the rehabilitation of a patient after surgery and radiation therapy for head and neck cancer: a Case Report.* SCALA M, ORSI A, RATTARO A, TRAPASSO M, POLOTTO S, SPAGNOLO F, MEREU P, SANTI PL. *Journal of Biomedical Science and Engineering*. Vol. 7 N° 6, May 2014

*Regenerative medicine for the treatment of Teno-desmic injuries of the equine. A series of 150 horses treated with platelet-derived growth factors.* SCALA M, LENARDUZZI S, SPAGNOLO F, TRAPASSO M, OTTONELLO C, MURAGLIA A, BARLA A, STRADA P. *In Vivo*. 2014 Nov-Dec;28(6):1119-23.

*The use of platelet-rich plasma gel in patients with mixed tumour undergoing superficial parotidectomy: a randomized study.* SCALA M, MEREU P, SPAGNOLO F, MASSA M, BARLA A, MOSCI S, FORNO G, INGENITO A, STRADA P. *In Vivo*. 2014 Jan-Feb;28(1):121-4.

*Regenerative Surgery for the Definitive Repair of a Vasculitic Nonhealing Ulcer Using Platelet-derived Growth Factors and Noncultured Autologous Cell Suspension.* TRAPASSO M, SPAGNOLO F, MARCHI F, STRADA P, SANTI P, SCALA M. *Plast Reconstr Surg Glob Open*. 2013 Jun 7;1(2):1-3. doi: 10.1097/GOX.0b013e318295a2be. eCollection 2013 May.

*Regenerative surgery for the definitive repair of chronic ulcers: a series of 34 cases treated with platelet-derived growth factors.* SPAGNOLO F, TRAPASSO M, MONTEGHIRFO S, BARLA A, SCALA M. *Plast Reconstr Surg*. 2013 Apr;131(4):666e-8e

*Regenerative surgery for the definitive surgical repair of enterocutaneous fistula.* SCALA M, SPAGNOLO F, STRADA P, SANTI P. *Plast Reconstr Surg*. 2012 Feb;129(2):391e-392e. doi: 10.1097/PRS.0b013e31823af180.

*Association of vacuum-assisted closure and platelet gel for the definitive surgical repair of an enterocutaneous fistula: a case report.* SCALA M, SPAGNOLO F, TRAPASSO M, STRADA P, MORESCO L, SANTI P. *In Vivo*. 2012 Jan-Feb;26(1):147-50.

*Oral cancer genesis and progression: DNA near-diploid aneuploidization and endoreduplication by high resolution flow cytometry.* DONADINI A, MAFFEI M, CAVALLERO A, PENTENERO M, MALACARNE D, DI NALLO E, TRUINI M, NAVONE R, MEREU P, SCALA M, SANTELLI A, GANDOLFO S, GIARETTI W. *Cell Oncol*. 2010;32(5-6):373-83. doi: 10.3233/CLO-2010-0525.

*Clinical applications of autologous cryoplatelet gel for the reconstruction of the maxillary sinus. A new approach for the treatment of chronic oro-sinusal fistula.* SCALA M, GIPPONI M, PASETTI S, DELLACHÀ E, LIGORIO M, VILLA G, MARGARINO G, GIANNINI G, STRADA P. *In Vivo*. 2007 May-Jun;21(3):541-7.

*Regenerative medicine for the definitive surgical repair of pilonidal sinus. A new method of wound reconstruction.* REBOA G, GIPPONI M, TESTA T, GIANNINI G, SCALA M, DALLA COSTA R, STRADA P. *In Vivo*. 2007 May-Jun;21(3):529-34.

*Cryosurgery for advanced malignant melanoma of the facial skin. A case report.* SCALA M, GIPPONI M, QUEIROLO P, MEREU P, SOLARI N, MONTEGHIRFO S, CAFIERO F. *In Vivo*. 2006 Jan-Feb;20(1):153-6.

*Expansion of natural killer cells in patients with head and neck cancer: detection of "noninhibitory" (activating) killer Ig-like receptors on circulating natural killer cells.* MELIOLI G, SEMINO C, MARGARINO G, MEREU P, SCALA M, CANGEMI G, CROCETTI E, MACHI AM, FERLAZZO G. *Head Neck*. 2003 Apr;25(4):297-305.

*Micronuclei and p53 accumulation in preneoplastic and malignant lesions of the head and neck.* DELFINO V, CASARTELLI G, GARZOGGIO B, SCALA M, MEREU P, BONATTI S, MARGARINO G, ABBONDANDOLO A. *Mutagenesis*. 2002 Jan;17(1):73-7.

## LANGUAGES

Mother tongue ITALIAN

## OTHER LANGUAGES

Understanding/Speaking/Writing ENGLISH  
B2

Understanding/Speaking/Writing FRENCH  
A2

## MAIN AREAS OF RESEARCH

- Regenerative Medicine and Tissue Engineering.
- Locoregional cancer treatments (cryosurgery, photodynamic therapy, chemo-electroporation, hyperthermia).
- Innovative therapies for the treatment of chronic ulcers and hard-to-heal wounds.
- Guided bone regeneration in oral and maxillo-facial surgery.
- Advanced trichology.
- Anti-aging treatments.
- Surgical oncology.

## PATENTS

Patent co-proprietor for *Bio-Membrane for Tissue Regeneration* with the following specs:

- OSTEO/ANGIOGENIC MEMBRANE: constituted by mesenchymal stem cells and/or precursor cells, by a gel, and growth factors and/or differentiation factors and/or angiogenic factors, and related subject/matter.
- MEDICAMENT: use of a platelet gel for the preparation of a medicament for repairing skin and soft tissue lesions, and related subject/matter.
- ADHESIVE PLASTER: for repair of skin and soft tissue lesions comprising gel with growth and/or differentiation and/or angiogenic factors.

## REGENERATIVE MEDICINE

Tissue engineering and regenerative medicine solutions using stem cells, active biomaterials and biomolecules as growth factors and angiogenic molecules. Conception of a New Plastic and Cosmetic Regenerative Surgery and implementation of an innovative anti-aging protocol based on the use of high-energy treatments with autologous growth factors (PRP).

## SKILLS

Surgical experience based on more than a thousand major surgeries, oncological surgeries, soft tissue regenerative surgeries and bone regenerations.

## PERSONAL DATA

1994 Registered with the order of dental practitioners in Genoa

1980 Registered with the order of medical practitioners in Genoa

1980 Medical license.

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