

## CURRICULUM VITAE

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**DATE OF BIRTH:** 09 October 1974  
**STATUS:** Married  
**MILITARY SERVICE:** Completed.

### EDUCATION

**8 May 2015 (Course duration: 3 years)**

**Dottorato di Ricerca in Imaging multimodale in biomedicina [Ph.D. in Multimodal Imaging in Biomedicine]** University of Verona, Italy

Thesis entitled: "Metodi per l'analisi della texture di regioni di interesse (ROIs) di forma irregolare per immagini biomediche" [**Methods for texture analysis in irregular Regions Of Interest (ROIs) in biomedical images**]

**31 March 2005 (Course duration: 1 year):**

**Master Universitario di I livello in: Elaborazione Informatica di Dati Biomedici e Telecontrollo in Medicina [Computer processing of biomedical data and Tele-control in medicine]**, University of Verona, Italy.

Thesis entitled: "Relazione farmacocinetica/farmacodinamica di un biomarker di efficacia e tollerabilità", [**Pharmacokinetic / pharmacodynamic relation of a biomarker for efficacy and tolerability**]

**First session of academic year 2004**

**Abilitazione all'esercizio della professione di Ingegnere [Qualifying examination to engineers register]**, University of Padua (Italy)

**9 February 2004 (Course duration: 5 years)**

**Laurea vecchio ordinamento in Ingegneria Informatica ad indirizzo Sistemi ed Applicazioni Informatici [Masters's Degree in Information Technology Engineering]** University of Padua, Italy.

Degree thesis entitled: "Sistema di controllo real-time di un robot per la riabilitazione" [**System for real-time control of a robot for rehabilitation**]

**21 July 1993 (Course duration: 5 years)**

**Diploma di maturità di Perito Industriale Capotecnico con Specializzazione in Informatica Ind.le [Information Science High School Diploma]**, Istituto Tecnico Industriale Guglielmo Marconi, Verona, Italy,

### LANGUAGES

**Mother tongues:** Italian

**Other language:** English

Reading skills:Excellent

Writing skills:Good

Verbal skills:Good

## **IT SKILL**

Development environments and libraries for medical image processing and visualization: **MevisLab** previous experiences with, **Slicer 3D ,Mipav, ImageJ, I.T.K. and V.T.K. libraries**

Development environments and Programming Languages : **Matlab** previous experiences with: **Access 2000-2003, Visual Basic for Applications, C++, Java, real-time programming in S.O. VxWorks, Pascal, Assembler.**

Development environments for multiphysics simulation (finite element analysis): **Comsol Mutiphysics**

Main Theoretical Knowledge: **Digital Image Processing, Software Design, Database Design**

## **WORK EXPERIENCE**

**1 Sept 2005 – present**

IT Technician, University of Verona

## **PUBLICATIONS**

### **Journal article**

Veraldi G.F., Nocini P.F., Eccher A., Fenzi A., Sboarina A., Mezzetto L.. "Correlation between MDCTA and carotid plaque histological heterogeneity: a pilot study" *Eu J Vasc Endovasc Surg* 2018 ; 56(1):7-14

Chirumbolo S, Bjørklund G, Sboarina A, Vella A.. "The role of basophils as innate immune regulatory cells in allergy and immunotherapy", *Hum Vaccin Immunother.*" 2018;14(4):815-831.

Chirumbolo S, Bjørklund G, Sboarina A, Vella A.. "The Role of Vitamin D in the Immune System as a Pro-survival Molecule. ", *Clin Ther.* 2017;39(5):894-91

Minicozzi A., Mosconi E., Cordiano C., Rubello D., Marzola P., Ferretti A., Maffione A.M., Sboarina A., Bencivenga M., Boschi F., Conti G., Sbarbati A.. "Proton Magnetic Resonance Spectroscopy: Ex vivo study to investigate its prognostic role in colorectal cancer", *Biomed Pharmacother* 2013 ; 67(7): 593-597

Sboarina A., Minicozzi A., Segattini C., Leopardi F., Lombardo F., Passari V., Scudo G., Bencivenga M., Fenzi A., Codiano C.. "Shape and volume of internal anal sphincter showed by three-dimensional anorectal ultrasonography" *European Journal of Radiology* 2012 ; 81(7): 1479-1482

Minicozzi, A.; Veraldi, G. F.; Sboarina, A.; Lombardo, F.; Osmani, H.; Scudo, G.; Passeri, V.; Bencivenga, M.; Cordiano, C. "One stage or two stage treatment of colorectal cancer associated to abdominal aortic aneurysm: morbidity and mortality", *Minerva Chirurgica* 2012 ; 67(5) : 453-457

Sboarina A., Minicozzi A., Cordiano C.. "New method for internal anal sphincter measurements: feasibility study" *International Journal of Computer Assisted Radiology and Surgery* 2010 ; 5(5): 515-525

Sboarina A., Foroni R. I., Minicozzi A., Antiga L., Lupidi F., Longhi M., Ganau M., Nicolato A., Ricciardi G. K., Fenzi A., Gerosa M., De Simone A., Fracastoro G., Guglielmi A., Cordiano C.. "Software for hepatic vessel classification: feasibility study for virtual surgery". *International Journal of Computer Assisted Radiology and Surgery* 2010 ; 5(1) : 39-48

### **Book chapter**

Sboarina A., Cordiano C., Montemezzi S., Fenzi A., Cenzi D., Passeri V., Scudo G., Minicozzi A. "Imaging of the Internal Anal Sphincter: Study of Healthy Subject: Review Article" in Robert W. Lam and Shinya Fukuda eds. "Sphincters: Properties, Types and Applications", New York, Nova Science Publishers Inc , 2012, pp. 63-87

**Publications in Proceedings of Conferences/Congress (the symbol \* means that I attended at the conference/congress as "presenting author"):**

Sboarina A.\*, Perandini S., Fenzi A.. "An Improved Method for Hepato-Renal Ratio Assessment: a Feasibility Study" (poster and oral presentation) in Antolini R. & Valentini A. eds. "Physics & Medicine Toward a future of integration Trento, November 6<sup>th</sup>-8<sup>th</sup>, 2014 Abstract Book" Trento: Università degli Studi di Trento, pp. 60-61

Sboarina A.\*, Perandini S., Fenzi A.. "An improved method for hepato-renal ratio assessment in the diagnosis of hepatosteatosi: a feasibility study" (poster presentation) in "CARS 2013 Computer Assisted Radiology and Surgery Proceedings of the 27<sup>th</sup> International Congress and Exhibition Heidelberg, Germany, June 26-29, 2013", International Journal of Computer Assisted Radiology and Surgery, vol. 8 suppl. 1, 2013, pp. S331-S332

Sboarina A.\*, Foroni R. I., Minicozzi A., Lupidi F., Longhi M., Ganau M., Nicolato A., Ricciardi G. K., Fenzi A., Gerosa M., De Simone A., Fracastoro G., Guglielmi A., Cordiano C.. "A software for hepatic vessels classification for virtual surgery" (poster presentation) in "CARS 2009 Computer Assisted Radiology and Surgery Proceedings of the 23<sup>rd</sup> International Congress and Exhibition Berlin, Germany, June 23-27, 2009", International Journal of Computer Assisted Radiology and Surgery, vol. 4 suppl. 1, 2009, pp. S284-S286

Sboarina A.\*, Foroni R. I., Ricciardi G. K., Lupidi F., Longhi M., De Simone A., Fracastoro G., Nicolato A., Guglielmi A., Fenzi A., Gerosa M., Cordiano C.. "A vascular analysis toolkit for intra-operative guide software" in "CARS 2008 Computer Assisted Radiology and Surgery Proceedings of the 22<sup>nd</sup> International Congress and Exhibition Barcelona, Spain, June 25-28, 2008", International Journal of Computer Assisted Radiology and Surgery, vol. 3, suppl. 1, 2008, pp. S103-S104

Sboarina A.\*, Foroni R. I., Lupidi F., Longhi M., Nicolato A., Gerosa M., De Simone A., Fracastoro G., Guglielmi A., Cordiano C.. "A new method for hepatic vessel classification for a virtual surgery tool" in Proceedings of "ISRACAS 2008 Eleventh Israeli Symposium on Computer-Integrated Surgery Medical Robotics, and Medical Imaging, Thursday May 29, 2008, Dan Panorama Hotel, Tel-Aviv, ISRAEL", 2008, pp 69-73

Froni R. I., Ricciardi G. K., Lupidi F., Sboarina A., De Simone A., Longhi M., Nicolato A., Pizzini F., Beltramello A., Gerosa M.. "Diffusion-tensor imaging tractography of the corticospinal tract for evaluation of motor fiber tract radiation exposure in gamma knife radiosurgery treatment planning". in McDermott M.W. ed. "Radiosurgery, vol. 7: 8th International Stereotactic Radiosurgery Society Meeting, San Francisco, June 23-27, 2007", Basel, Karger, 2010, pp. 128-138

Sboarina A\*, Foroni R. I., Lovato C., De Simone A., Fracastoro G., Guglielmi A., Ricciardi G. K., Nicolato A., Longhi M., Lupidi F., Gerosa M., Cordiano C.. "Vascular visualization for surgery planning: skeletonization and tubular modeling" in Proceedings of "ISRACAS 2007 Tenth Israeli Symposium on Computer-Integrated Surgery Medical Robotics, and Medical Imaging, Thursday May 10, 2007, Rambam Medical Center, Haifa, ISRAEL", 2007, pp. 73-77

Froni R. I., Ricciardi G. K., Sboarina A., Lovato C., De Simone A., Lupidi F., Longhi M., Nicolato A., Gerosa M., Pizzini F., Beltramello A., Park H. J.. "Combined use of tractography and Gamma Knife radiosurgery three dimensional treatment planning: initial experience" in "CARS 2007 Computer Assisted Radiology and Surgery Proceeding of the 21<sup>st</sup> International Congress and Exhibition Berlin (Germany), June 27-30, 2007", International Journal of Computer Assisted Radiology and Surgery, vol 2 suppl. 1, 2007, pp. S54-S56

Froni R. I., Ricciardi G. K., Sboarina A., Lovato C., De Simone A., Lupidi F., Longhi M., Nicolato A., Gerosa M., Pizzini F., Beltramello A., Fenzi A., Park H. J.. "Combined use of tractography and Gamma Knife radiosurgery three dimensional treatment planning. Initial experience" in Proceedings of "ISRACAS 2007 Tenth Israeli Symposium on Computer-Integrated Surgery Medical Robotics, and Medical Imaging, Thursday May 10, 2007, Rambam Medical Center, Haifa, ISRAEL" 2007, pp. 33-38

Froni R., Sboarina A., Ricciardi G. K., Lovato C., De Simone A., Lupidi F., Longhi M., Nicolato A., Chiarego G., Maluta S., Gerosa M., Pizzini F., Park H. J.. "Combined use of tractography and Gamma Knife radiosurgery three dimensional treatment planning Initial experience." in "Proceedings of the congress

Verona Italy March 8-10<sup>th</sup>, 2007 Neurosurgery and stereotactic radiotherapy: state of the art and future developments", Rivista Medica vol. 13, n.1, 2007, pp. 39-42

Sboarina A., Fiorini P., Fracastoto G.. "Formulation of a local model for simulation of hepatic laparoscopic procedures", in Heinz U. Lemke, Kunio Doi, Allan G. Farman, Kiyonari Inamura, Michael W. Vannier eds." CARS2005 Computer Assisted Radiology and Surgery Proceedings of 19th International Congress and Exhibition Berlin, Germany, June 22-25, 2005, ICS1281", Elsevier, 2005, pp. 762-767