**CURRICULUM VITAE**

**Dr. Luca Vannucci, MD,PhD**.

Born 5th May 1956 in Viareggio (LU), Italy

***Education and special courses***

1981 Graduated in Medicine (University of Pisa, Italy)

1986 – 1987 Course and training in experimental carcinogenesis under Nobel Laureate Prof. C.B.

Huggins (The Ben May Laboratory, Chicago, USA) – diploma with commendation for excellence

1987 Diploma of Specialization in General Surgery (University of Pisa, Italy)

1992 Diploma of Specialization in Oncology (University of Milan, Italy)

2008 PhD in Immunology (Faculty of Natural Sciences, Charles University, Prague, CZ)

***Employment***

1986 – 1987 Dept. Surgery, University of Chicago, IL, USA: clinical research fellow

1989 – 1990 Div. Surgery, Fivizzano General Hospital, Fivizzano, IT: surgeon (assistant)

1991 – 2004 Div. Gen. Surgery and Organ Transplant., Univ. Pisa, Pisa, IT: surgeon (2nd level)

2004 – 2005 Dept. Oncology, Transplants and New Technologies in Medicine, Univ. Pisa, Pisa, IT: researcher

*At the Dept. Immunology. and Gnotobiology, Inst. Microbiology, AS CR, v.v.i., Prague, CZ:*

1999 – 2005 Visiting professor

2005-2009 Scientist in the Laboratory of Natural Cell Immunity

2009-2011 - Head of the Laboratory of Natural Cell Immunity

2012-present -Head of the Laboratory of Immunotherapy

***Honours***

1985 Rotary Found. Intern. Fellowship at the University of Chicago (Chicago, IL, USA) 1986 – 1987

1991 Farini Award for GI tract cancer research (University of Padua, IT)

1997 Award of the Cancer Research Foundation of Pakistan

1998 Award of the College of Surgeon of Nepal

1998, 2008 National Award of the Italian Society for Microwaves “MW in anticancer therapy”

2008 Award of the World Congress on Advances in Oncology, Crete, Greece

2010 invited lectures at the NCI (Frederick, MD, USA) and NIH (Bethesda, MD, USA)

2010 Award of the Italian-Czech Commercial Chamber (Prague, CZ)

2011 Golden Budge of the Italian-Czech Commercial Chamber (Prague, CZ)

2012-2014 Member of the Scientific Board for Grants at the National Cancer Institute of France, Paris, FR

***Teaching activities***

*1990-1999**Trainer, tutor, lecturer and examiner for Surgery at the Faculty of Medicine, University of Pisa, IT*

2002- present Lectures and seminars at the 1st Surgical Clinic, 1st Medical Faculty, Charles University (Prague, CZ); Faculty of Electrical Engineering, and Faculty of Biomedical Engineering of the Czech Technical University in Prague and Kladno (CZ) . Member of commission for State Exam and PhD Diploma.

***Affiliations***

**Elected member of the Czech Immunological Society Board** 2010-2012;2013-2015; 2016-2018); fellow of the European Society for Clinical Investigations and of the International Cancer Microenvironment Society

**Member of Editorial Board** of 6 international scientific journals (including **CARCINOGENESIS**)

**Reviewer** for various **national and international grant agencies** and **international scientific journals**.

Member of the scientific board of ARPA Foundation, Pisa,IT.

***Publications***: 70 scientific papers (with and without IF); 5 book chapters; 18 proceedings paper; 709 citation in the international scientific literature. H-index: 15

Pubblicazioni recenti (selezione):

**Vannucci L**, Falvo E, Failla CM, Carbo M, Fornara M, Canese R, Cecchetti S, Rajsiglova L, Stakheev D, Krizan J, Boffi A, Carpinelli G, Morea V, Ceci P: **In vivo targeting of cutaneous melanoma using an MSH-engineered human protein cage bearing fluorophore and MRI tracers.** J. Biomed. Nanotechnol. 11, 81-92 (2015)

Caja F, **Vannucci L**. TGFβ: **A player on multiple fronts in the tumormicroenvironment**. J Immunotoxicol. 2014 Aug 20:1-8. [Epub ahead of print]

**Vannucci L**. **Stroma as an Active Player in the Development of the Tumor Microenvironment**. Cancer Microenviron. 2014 Aug 9. [Epub ahead of print]

**Vannucci L**, Krizan J, Sima P, Stakheev D, Caja F, Rajsiglova L, Horak V, Saieh M. Immunostimulatory properties and antitumor activities of glucans (Review). Int J Oncol. 2013 Aug;43(2):357-64 IF (2012) 2.657

Tlaskalova-Hogenova H, **Vannucci L,** Klimesova K, Stepankova R, Krizan J, Kverka M. Microbiome and colorectal carcinoma: insights from germ-free and conventional animal models. Cancer J. 2014 May-Jun;20(3):217-24. doi:10.1097/PPO.0000000000000052. PubMed PMID: 24855011

**Luca Vannucci**, Elisabetta Falvo and Pierpaolo Ceci. **Multifunctional protein-based nanoparticles for cancer theranosis**. In Intracellular Delivery vol.2 - Editors: Aleš Prokop, Yasuhiko Iwasaki and Atsushi Harada – Springer Publ. 2014

**Vannucci L**, Krizan J, Sima P, Stakheev D, Caja F, Rajsiglova L, Horak V, Saieh M. **Immunostimulatory properties and antitumor activities of glucans (Review).** Int J Oncol. 2013 Aug;43(2):357-64 10

Polakova Vymetalkova V, **Vannucci L**, Korenkova V, Prochazka P, Slyskova J, Vodickova L, Rusnakova V, Bielik L, Burocziova M, Rossmann P, Vodicka P. **Evaluation of tumor suppressor gene expressions and aberrant methylation in the colon of cancer-induced rats: a pilot study**. Mol Biol Rep. 2013 Oct;40(10):5921-9

**Vannucci L**, Falvo E, Fornara M, Di Micco P, Benada O, Krizan J, Svoboda J, Hulikova-Capkova K, Morea V, Boffi A, Ceci P**. Selective targeting of melanoma by PEG-masked protein-based multifunctional nanoparticles**. Int J Nanomed. 2012;7:1489-509

**Vannucci L. Cancer immunology and colorectal cancer recurrence**. Front Biosci (Schol Ed). 2011;3:1421-31

Tlaskalová-Hogenová H, Stěpánková R, Kozáková H, Hudcovic T, **Vannucci L**, Tučková L, Rossmann P, Hrnčíř T, Kverka M, Zákostelská Z, Klimešová K, Přibylová J, Bártová J, Sanchez D, Fundová P, Borovská D, Srůtková D, Zídek Z, Schwarzer M, Drastich P, Funda DP. **The role of gut microbiota (commensal bacteria) and the mucosal barrier in the pathogenesis of inflammatory and autoimmune diseases and cancer: contribution of germ-free and gnotobiotic animal models of human diseases**. Cell Mol Immunol. 2011;8(2):110-20

**Vannucci L**. **To suppress to rescue? Changing the approach for recalling anticancer immune responses**. Front Biosci (Schol Ed). 2010;2:1189-97

Gidron Y, **Vannucci L**. Playing in three makes it simpler: mapping the cognitive figure-ground framework onto cancer-immunology and immunotherapy (Review). Int J Oncol. 2010;36(5):1061-5

Togni P, Vrba J, **Vannucci L**. **Microwave applicator for hyperthermia treatment on in vivo melanoma model**. Med Biol Eng Comput. 2010;48(3):285-92

**Vannucci L,** Stepankova R, Grobarova V, Kozakova H, Rossmann P, Klimesova K, Benson V, Sima P, Fiserova A, Tlaskalova-Hogenova H. **Colorectal carcinoma: Importance of colonic environment for anti-cancer response and systemic immunity**. J Immunotoxicol. 2009;6(4):217-26

Chernyavskiy O, **Vannucci L**, Bianchini P, Difato F, Saieh M, Kubínová L. **Imaging of mouse experimental melanoma in vivo and ex vivo by combination of confocal and nonlinear microscopy**. Microsc Res Tech. 2009 ;72(6):411-23

**Vannucci L**, Stepankova R, Kozakova H, Fiserova A, Rossmann P, Tlaskalova-Hogenova H. **Colorectal carcinogenesis in germ-free and conventionally reared rats: different intestinal environments affect the systemic immunity.** Int J Oncol. 2008;32(3):609-17