CURRICULUM VITAE

SERENA PELUSI

CURRENT POSITION:
- December 2016- today: Physician, Internal Medicine Department, Medicina Interna ad Indirizzo Metabolico Hepatology day care, **Universita´ degli Studi di Milano, Fondazione IRCCS Ca´ Granda Ospedale Maggiore Policlinico, Milan, Italy**

WORK EXPERIENCE:
- January 2016-December 2016: **Research fellow**, Wallenberg Laboratory, Department of Molecular and Clinical Medicine, **University of Gothenburg**, Sweden
- October 2015-January 2016: School of Internal Medicine, Internal Medicine Department 1 B, Fondazione IRCCS Ca' Granda-Policlinico, Milan, Italy.
- July 2015-October 2015: School of Internal Medicine, UO Medicina Interna VI, Ultrasound Unit, Ospedale San Paolo Milan, Italy. Attending the Ultrasound practice with particular attention to hepatological diseases
- April 2015-June 2015: School of Internal Medicine, Emergency Department, Fondazione IRCCS Ca' Granda-Policlinico, Milan, Italy. Attending the Emergency Department and improving skills in ultrasound use in the management of acute patients.
- January 2015-March 2015: School of Internal Medicine, Emergency Department, Ospedale Niguarda Ca' Granda, Milan, Italy. Attending the Emergency Room. Acquiring skills in the assessment, first treatment, admittance, or discharging of patients seeking medical attention at the emergency room with particular attention to acute respiratory failure and non invasive mechanical ventilation.
- October 2014-January 2015: School of Internal Medicine, Division of Infectious Diseases, Ospedale San Paolo Milan, Italy. Attending the Infectious Diseases Clinic. Acquiring skills in the diagnosis and treatment of a variety of infectious diseases, with particular attention to the choice of the most appropriate antimicrobial therapheutic regime
- July 2014-October 2014: School of Internal Medicine, Cardiology Department, Ospedale Luigi Sacco, Milan, Italy. Attending the Coronary Care Unit. Developing skills in assessment and management of patients with potentially life-threatening cardiac conditions including acute coronary syndromes, cardiac arrhythmias, acute congestive heart failure, and patients pre/post interventional cardiac procedures.
- July 2012-July 2014: School of Internal Medicine, Internal Medicine department 1 B, Fondazione IRCCS Ca'Granda-Policlinico, Milan, Italy.

EDUCATION:
- July 2012- July 2017: **Specialty in Internal Medicine** (70/70 cum laude), Università degli Studi Milano. Title of thesis: "*Approccio mediante sequenziamento di DNA germinale alla diagnosi eziologica di epatocarcinoma (HCC) in pazienti affetti da steatosi epatica non alcolica (NAFLD)*". Relatore Prof. Marco Cicardi, correlatore Prof. Luca Valenti
- September 2005- July 2011: **Medical Degree** at Universita´ degli Studi di Milano. Title of thesis: *"Studio del ruolo dei fattori genetici HFE e TMPRSS6 nel metabolismo del ferro nei pazienti in emodialisi"*. Relatore Prof. Silvia Fargion, correlatore Prof. Luca Valenti
- September 2001- June 2005: Maturità linguistica at Liceo Linguistico "Alessandro Manzoni" Milano (100/100)

PERSONAL AND TECHNICAL SKILLS AND COMPETENCES:
- Physician specialized in Internal Medicine, Universita´ degli Studi di Milano. Working in the Department of Internal Medicine and in the Hepatology day care with particular attention to hepatic, genetic and metabolic disorders.
- Technical analysis of protein production: Western blot
- Statistical software: SPSS, IBM Sample Power, JMP, SAS statistical institure
- Foreign languages: English, good reading, writing and verbal skills (*TOEIC Test of English for International Communication Certification,* July 2017)
  German, basic reading, writing and verbal skills

TEACHING ACTIVITY:
- Tutorship, Internal Medicine practical skills training, Degree in Medicine, University of Milan
- Teaching activity, Internship in Internal Medicine and Metabolic Diseases, and Seminar in Metabolic Liver Diseases, Degree in Medicine, University of Milan

RESEARCH ACTIVITY:
My research activity has been particularly focused in understanding the mechanisms and clinical implications of the genetic determinants of metabolic liver diseases and iron metabolism disorders, the clinical determinants and role of therapy in metabolic liver diseases, and conducting multicenter clinical studies. I have been involved in the analysis of genotype-phenotype correlation and the impact of therapy on the natural history in large cohorts of patients, analysis of

next-generation sequencing data, and laboratory work including genotypization of patients, and development and characterization of in vitro models of genetic variants underlying disease susceptibility.
I am coinvestigator in several randomized controlled trials aimed at investigating new drugs for the treatment of nonalcoholic steatohepatitis, and co-principal investigator of the spontaneous multicenter cohort study: "Study for the Evaluation of Risk of hEpatocellular carcinoma in NonAlcoholic fatty liver (SERENA)"

RESEARCH PROJECTS:
Official participant member of the following funded projects:
* EPIDEMIC-HCC NAFLD: Exome Sequencing for the Identification of Inherited Variants determining hepatocellular carcinoma development in Nonalcoholic fatty liver disease. My First Grant AIRC N.16888 (Italian Association for Cancer Research)
* Liver Investigation: Testing Marker Utility in Steatohepatitis (LITMUS), Investigative Medicines Initiative 2: Call 7 (2015-2016) Identification and Validation of Non-invasive Markers across the Spectrum of Nonalcoholic Fatty Liver Disease (NAFLD): Partner (under negotiation). H2020 n. 777377
* MAST4Health: A multicenter randomized double-blind placebo-controlled (parallel arm) clinical trial on the efficacy of Mastiha supplement in NAFLD/NASH patients. H2020 RISE protocol n. MSCA GA 691042 .

SCIENTIFIC PRODUCTIVITY:
Author of **17** manuscript published *in extenso* in peer-reviewed international journals, 4 as first author, 2 as second author. **H-index**, Scholar: **8 ; Total impact factor: 51.**

CONGRESS PARTICIPATIONS (oral presentations):
- Coexisting Hereditary Hemochromatosis and beta-thalassemia trait: possible confounders for a subsequent hematological diagnosis. Poster session. European Congress of Internal Medicine, Milano (August 2017)

- NAFLD: aspetti applicativi clinici e nutrizionali (workshop). Congresso Nazionale Associazione nazionale Dietisti, Bologna, invited lecture (May 2017)

- Clinical determinants of fibrosis progression in an Italian prospective cohort of patients with NAFLD. Oral communication. EASD NAFLD Study Group meeting Copenhagen (April 2016)

- Risk of obstructive sleep apnea with daytime sleepiness is associated with liver damage in non-morbidly obese patients with nonalcoholic fatty liver disease. Oral communication. Congresso Nazionale Società Italiana di Medicina Interna, Roma (October 2014)

- "Cases on iron overload" Red Cell Biology 2015, Thirty Years after. Oral Communication. Milano (2015)

- Risk of obstructive sleep apnea with daytime sleepiness is associated with liver damage in non-morbidly obese patients with nonalcoholic fatty liver disease. Oral communication. Congresso Nazionale Società Italiana di Medicina Interna, Roma (October 2014)

- Atypical presentations of juvenile hemochromatosis associated with heterozygosity for novel hemojuvelin mutations. Poster session presentation. European Association Study of the Liver Congress, Amsterdam (2013)

- An unusual case of refractory Orthostatic Hypotension. Poster session. Congresso Nazionale Società Italiana medicina Interna, Roma (October 2013)

- The A736V TMPRSS6 polymorphism influences hepcidin and iron metabolism in chronic hemodialysis patients. Oral communication. European Iron Club Meeting, Rennes (September 2012)

PUBLICATIONS LIST:
(Top manuscripts are highlighted in bold)

1. Telomerase reverse transcriptase germline mutations and hepatocellular carcinoma in patients with nonalcoholic fatty liver disease. Donati B, Pietrelli A, Pingitore P, Dongiovanni P, Caddeo A, Walker L, Baselli G, Pelusi S, Rosso C, Vanni E, Daly A, Mancina RM, Grieco A, Miele L, Grimaudo S, Craxi A, Petta S, De Luca L, Maier S, Soardo G, Bugianesi E, Colli F, Romagnoli R, Anstee QM, Reeves HL, Fracanzani AL, Fargion S, Romeo S, Valenti L. Cancer Med. 2017 Aug;6(8):1930-1940.

2: HFE mutations and iron in hemodialysis patients. Valenti L, Pelusi S. Hemodial Int. 2017 Jun;21 Suppl 1:S47-S57.

3. PNPLA3 overexpression results in reduction of proteins predisposing to fibrosis. Pingitore P, Dongiovanni P, Motta BM, Meroni M, Lepore SM, Mancina RM, Pelusi S, Russo C, Caddeo A, Rossi G, Montalcini T, Pujia A, Wiklund O, Valenti L, Romeo S. Hum Mol Genet. 2016 Dec 1;25(23):5212-5222.

4. Progressively invalidating orthostatic hypotension: a common sympton for a challenging diagnosis. Pelusi S, Lombardi R, Airaghi L, Burdick L, Rango M, Penatti A, Fargion S. J Res Med Sci. 2016 Nov 7;21:117.

5. Renin-Angiotensin System Inhibitors, Type 2 Diabetes and Fibrosis Progression: An Observational Study in Patients with Nonalcoholic Fatty Liver Disease. Pelusi S, Petta S, Rosso C, Borroni V, Fracanzani AL, Dongiovanni P, Craxi A, Bugianesi E, Fargion S, Valenti L. PLoS One. 2016 20;11(9).

6. Hepcidin resistance in dysmetabolic iron overload. Rametta R, Dongiovanni P, Pelusi S, Francione P, Iuculano F, Borroni V, Fatta E, Castagna A, Girelli D, Fargion S, Valenti L. Liver Int. 2016 Oct;36(10):1540-8.

7. Increased circulating adiponectin in males with Chronic HCV hepatitis. Canavesi E, Porzio M, Ruscica M, Rametta R, Macchi C, Pelusi S, Fracanzani AL, Dongiovanni P, Fargion S, Magni P, Valenti L. Eur J Intern Med. 2015 Oct;26(8):635-9.

8. Extrapulmonary tuberculosis: an unusual presentation in an immunocompetent patient. Lombardi R, Pelusi S, Airaghi L, Fargion S. BMJ Case Rep. 2015 May 6;2015.

9. Transmembrane 6 superfamily member 2 gene variant disentangles nonalcoholic steatohepatitis from cardiovascular disease. Dongiovanni P, Petta S, Maglio C, Fracanzani AL, Pipitone R, Mozzi E, Motta BM, Kaminska D, Rametta R, Grimaudo S, Pelusi S, Montalcini T, Alisi A, Maggioni M, Kärjä V, Borén J, Käkelä P, Di Marco V, Xing C, Nobili V, Dallapiccola B, Craxi A, Pihlajamäki J, Fargion S, Sjöström L, Carlsson LM, Romeo S, Valenti L. Hepatology. 2015 Feb;61(2):506-14.

10. Juvenile hemochromatosis associated with heterozygosity for novel hemojuvelin mutations and with unknown cofactors. Pelusi S, Rametta R, Della Corte C, Congia R, Dongiovanni P, Pulixi EA, Fargion S, Fracanzani AL, Nobili V, Valenti L. Ann Hepatol. 2014 Sep-Oct;13(5):568-71.

11. Risk of obstructive sleep apnea with daytime sleepiness is associated with liver damage in non-morbidly obese patients with nonalcoholic fatty liver disease. Pulixi EA, Tobaldini E, Battezzati PM, D'Ingianna P, Borroni V, Fracanzani AL, Maggioni M, Pelusi S, Bulgheroni M, Zuin M, Fargion S, Montano N, Valenti L. PLoS One. 2014 Apr 24;9(4):e96349.

12. Hepcidin levels in chronic hemodialysis patients: a critical evaluation. Valenti L, Messa P, Pelusi S, Campostrini N, Girelli D. Clin Chem Lab Med. 2013 Nov 14:1-7.

13. Hepcidin and HFE protein: Iron metabolism as a target for the anemia of chronic kidney disease. Canavesi E, Alfieri C, Pelusi S, Valenti L. World J Nephrol. 2012 Dec 6;1(6):166-176.

14. The A736V TMPRSS6 polymorphism influences hepcidin and iron metabolism in chronic hemodialysis patients: TMPRSS6 and hepcidin in hemodialysis. Pelusi S, Girelli D, Rametta R, Campostrini N, Alfieri C, Traglia M, Dongiovanni P, Como G, Toniolo D, Camaschella C, Messa P, Fargion S, Valenti L. BMC Nephrol. 2013 Feb 22;14:48.

15. The A736V TMPRSS6 polymorphism influences hepatic iron overload in nonalcoholic fatty liver disease. Valenti L, Rametta R, Dongiovanni P, Motta BM, Canavesi E, Pelusi S, Pulixi EA, Fracanzani AL, Fargion S. PLoS One. 2012;7(11).

16. Effect of the A736V TMPRSS6 polymorphism on the penetrance and clinical expression of hereditary hemochromatosis. Valenti L, Fracanzani AL, Rametta R, Fraquelli M, Soverini G, Pelusi S, Dongiovanni P, Conte D, Fargion S. J Hepatol. 2012 Dec; 57(6):1319-25.

17. LPIN1 rs13412852 polymorphism in pediatric nonalcoholic fatty liver disease. Valenti L, Motta BM, Alisi A, Sartorelli R, Buonaiuto G, Dongiovanni P, Rametta R, Pelusi S, Fargion S, Nobili V. J Pediatr Gastroenterol Nutr. 2012 May;54(5):588-93.

Milano 16/11/2018 Sergio Pelusi

Autorizzo al trattamento dei dati personali e alla pubblicazione nel sito web della Fondazione