

SALVATORE SUTTI, PhD

Born in Marigliano, Italy, 26th July 1982

CURRENT POSITION

Assistant Professor of General Pathology at the Dept. of Health Sciences, University of East Piedmont.

EDUCATION:

2010: PhD in Molecular Medicine at the University of East Piedmont "A.Avogadro".

June 2007: Professional ability for certification training.

2004-2006: Master's Degree in Applied Biological Sciences at the University of East Piedmont "A.Avogadro", 110/110 summa cum laude.

2001-2004: Bachelor's Degree in Biology at the University of East Piedmont "A.Avogadro", 110/110 cum laude.

RESEARCH EXPERIENCE:

May 2019- up to now: Assistant Professor of General Pathology at the Dept. of Health Sciences, University of East Piedmont.

2018-2019: Postdoctoral research fellow at the Dept. of Clinical and Biological Sciences, University of Turin.

2017-2018: Postdoctoral research fellow at the Dept. of Health Sciences, University of East Piedmont "A.Avogadro".

2015-2017: Postdoctoral research fellow at the Dept. of Medical Sciences, University of Turin.

2010-2015: Postdoctoral research fellow at the Dept. of Health Sciences, University of East Piedmont "A.Avogadro".

2006-2009: Doctoral position at the Dept. of Health Sciences, University of East Piedmont "A.Avogadro".

Salvatore Sutti co-authored 28 scientific publications on international peer-reviewed journals and 50 abstracts presented during national and international meetings. Scopus H index: 14 (600 total citations).

ABROAD RESEARCH EXPERIENCE:

From September 2017 to December 2017: Guest Scientist at the Dept. Medicine III, RWTH Uniklinik, Aachen, Germany (Prof. Frank Tacke).

From September 2014 to December 2014: Visiting Post-Doc at the Dept. Medicine III, RWTH Uniklinik, Aachen, Germany (Prof. Frank Tacke).

RELEVANT SPECIFIC INTERESTS:

- Role of immune responses in promoting the progression of chronic liver diseases (CLD)
- Involvement of hypoxia-related mediators in developing hepatocellular carcinoma (HCC)
- Experimental models of hepatocellular carcinoma, metabolic syndrome and related diseases

SCIENTIFIC ASSOCIATIONS:

From February 2017: Member of the Italian Association for the Study of the Liver (AISF).

From September 2013: Member of the Italian Society of Pathology and Translational Medicine (SIPMeT)

From 2011: Member of the European Association of the Study of the Liver (EASL).

REFEREE ACTIVITY:

Salvatore Sutti acted as referee for the European Science Foundation, the Dutch Research Council (NWO) as well as for the following scientific journal: World Journal of Gastroenterology, Gastroenterology Research and Practice, Expert Review of Gastroenterology & Hepatology, Metabolism, BMC Gastroenterology, Journal of Leukocyte Biology, BioMed Research International, Scientific Reports and Liver International. Member of World Journal of Hepatology and Mathews Journal of Immunology and Allergy Editorial Board.

HONORS AND AWARDS:

The European Association for the Study of the Liver (EASL) awarded him ten times with the Young Investigator Travel Award to attend to the society meetings. He has also been selected three times to participate to the Basic School of Hepatology, Course 4, LIVER IMMUNOLOGY, (January 22-24, 2009, Lisbon Portugal), Course 9, EPITHELIAL MESENCHYMAL INTERACTIONS IN LIVER DEVELOPMENT, DISEASE AND CANCER, (January 24-25, 2014, Milan, Italy) and LIVER IMMUNOLOGY (February 16-18, 2017, Aachen, Germany) organized by the European Association for the Study of the Liver (EASL). The Associazione per lo Sviluppo dell'Università nel Territorio Novarese (ASSUNI) awarded him with a short-term fellowship for abroad experience.

SELECTED RECENT PUBLICATIONS

Foglia B, Sutti S, Pedicini D, Cannito S, Bocca C, Maggiora M, Bevacqua MR, Rosso C, Bugianesi E, Albano E, Novo E, Parola M. Oncostatin M, A Profibrogenic Mediator Overexpressed in Non-Alcoholic Fatty Liver Disease, Stimulates Migration of Hepatic Myofibroblasts. *Cells*. 2019 Dec 20;9(1). pii: E28. doi: 10.3390/cells9010028. **(co-first authorship)**

Cannito S, Foglia B, Villano G, Turato C, Delgado TC, Morello E, Pin F, Novo E, Napione L, Quarta S, Ruvoletto M, Fasolato S, Zanus G, Colombatto S, Lopitz-Otsoa F, Fernández-Ramos D, Bussolino F, **Sutti S**, Albano E, Martínez-Chantar ML, Pontisso P, Parola M. SerpinB3 Differently Up-Regulates Hypoxia Inducible Factors -1 α and -2 α in Hepatocellular Carcinoma: Mechanisms Revealing Novel Potential Therapeutic Targets. *Cancers (Basel)*. 2019 Dec 4;11(12). pii: E1933. doi: 10.3390/cancers11121933.

Sutti S, Albano E. Adaptive immunity: an emerging player in the progression of NAFLD. *Nat Rev Gastroenterol Hepatol*. 2020 Feb;17(2):81-92. doi: 10.1038/s41575-019-0210-2.

Sutti S, Bruzzi S, Heymann F, Liepelt A, Krenkel O, Toscani A, Ramavath NN, Cotella D, Albano E, Tacke F. CX3CR1 Mediates the Development of Monocyte-Derived Dendritic Cells during Hepatic Inflammation. *Cells*. 2019 Sep 18;8(9). pii: E1099. doi: 10.3390/cells8091099. **(corresponding author)**

Bruzzi S, Sutti S, Giudici G, Burlone ME, Ramavath NN, Toscani A, Bozzola C, Schneider P, Morello E, Parola M, Pirisi M, Albano E. B2-Lymphocyte responses to oxidative stress-derived antigens contribute to the evolution of nonalcoholic fatty liver disease (NAFLD). *Free Radic Biol Med*. 2018 Aug 20;124:249-259. **(co-first authorship)**

Morello E, Sutti S, Foglia B, Novo E, Cannito S, Bocca C, Rajskey M, Bruzzi S, Abate ML, Rosso C, Bozzola C, David E, Bugianesi E, Albano E, Parola M. Hypoxia-inducible factor 2 α drives nonalcoholic fatty liver progression by triggering hepatocyte release of histidine rich glycoprotein. *Hepatology*. 2018 Jun;67(6):2196-2214. doi: 10.1002/hep.29754. **(co-first authorship)**

Sutti S, Heymann F, Bruzzi S, Peusquens J, Trautwein C, Albano E, Tacke F. CX3CR1 modulates the anti-inflammatory activity of hepatic dendritic cells in response to acute liver injury. *Clin Sci (Lond)*. 2017; 131:2289-2301. Jul 24. pii: CS20171025. doi: 10.1042/CS20171025. **(corresponding author)**

Cannito S, Morello E, Bocca C, Foglia B, Benetti E, Novo E, Chiazza F, Rogazzo M, Fantozzi R, Povero D, **Sutti S**, Bugianesi E, Feldstein AE, Albano E, Collino M, Parola M. Microvesicles released from fat-laden cells promote activation of hepatocellular NLRP3 inflammasome: A pro-inflammatory link between lipotoxicity and non-alcoholic steatohepatitis. *PLoS One*. 2017 Mar 1;12(3):e0172575. doi: 10.1371/journal.pone.0172575.

Locatelli I, **Sutti S**, Jindal A, Vacchiano M, Bozzola C, Reutelingsperger C, Kusters D, Bena S, Parola M, Paternostro C, Bugianesi E, McArthur S, Albano E, Perretti M. Endogenous annexin A1 is a novel protective determinant in nonalcoholic steatohepatitis in mice. *Hepatology*. 2014 Aug;60(2):531-44.

Sutti S, Jindal A, Locatelli I, Vacchiano M, Gigliotti L, Bozzola C, Albano E. Adaptive immune responses triggered by oxidative stress contribute to hepatic inflammation in NASH. *Hepatology*. 2014 Mar;59(3):886-97.