

**BIOGRAPHICAL SKETCH**

Name: Sara Bruzzaniti, Research fellow

Position/Title: Research fellow

**Education**

Institution and Location	Degree	Year Conferred	Field of Study
Liceo Scientifico (High school), G.Mazzini, Naples, Italy.	Baccalaureate	2006	
Biology Degree, Università di Napoli "Federico II", Naples, Italy.	Bachelor Degree	2016	Immunology
Research fellow at Institute of Endocrinology and Experimental Oncology (IEOS-CNR), Naples, Italy		2017-present	Immunology

**Research and Professional Experience****Positions and Employment:**

17/11/2016	Degree in "Biology", defending her thesis in Immunology. Supervisor: Prof. O. Picariello and Dr. M. Galgani
2017-present	Research fellow at Institute of Endocrinology and Experimental Oncology (IEOS-CNR), Naples, Italy. Supervisor: Dr. Mario Galgani

**Research Experience:**

(2015 - present)

Dr. Bruzzaniti Sara started her training as internal student in Immunology while she was at the School of "Biology", University of Naples "Federico II" in 2015, working in the Laboratory of Immunology, at the Institute of Endocrinology and Experimental Oncology, (IEOS-CNR), Naples, Italy, under the supervision of Prof. Giuseppe Matarese. During that period of training, Dr. Bruzzaniti worked on her graduation thesis in Immunology entitled "*CD3<sup>+</sup>CD56<sup>+</sup> lymphocytes: novel regulatory cells in the immunopathogenesis of Type 1 Diabetes*". The research field of the study has been the dysregulation of the immune tolerance in autoimmune disease, such as Type 1 Diabetes (T1D). Specifically, she is investigating, the possible immune regulatory role and the functional characteristics of a specific cell subset of lymphocytes (CD3<sup>+</sup>CD56<sup>+</sup>) in T1D and healthy subjects, under the supervision of Dr. Mario Galgani. Furthermore, Dr. Bruzzaniti studied also the role of CD4<sup>+</sup>CD25<sup>+</sup>FoxP3<sup>+</sup> regulatory T cells (Treg) in the maintenance of peripheral immune tolerance and in the control of autoimmune diseases, such as T1D and Multiple Sclerosis (MS). Specifically, she investigated the expression of the transcription factor FoxP3, a master gene of Treg cells, and in particular, on its splicing variant containing the Exon 2 (FoxP3E2), which has been demonstrated to be necessary for the suppressive function of this T cell subset.

**Professional Memberships:**

- European Association for the Study of Diabetes (EASD), 2017-present.
- Associazione Italiana NeuroImmunologia (AINI), 2018-present

**Meetings:**

- 54<sup>th</sup> EASD Annual Meeting, 11-15 September 2017, Lisbon, Portugal.

**Honors and Awards:**

- Winner of a fellowship within the project “*CD3<sup>+</sup>CD56<sup>+</sup> cells a novel human regulatory population: function and molecular mechanism in Type 1 Diabetes*”. Institute of Endocrinology and Experimental Oncology (IEOS-CNR). Supervisor: Dr. Mario Galgani.