PERSONAL INFORMATION	Silvia Tonon silvia.tonon@uniud.it					
	Sex Female Date of birth 14/04/1989 Nationality Italian					
POSITION	Assistant Professor (RTDA) in General Pathology (MED/04), University of Udine					
WORK EXPERIENCE						
March 2017- December 2021 Italy	Post-doctoral fellowship University of Udine					
November 2014 – April 2015 Berlin	International exchange for "Doctor Europaeus" Study of the epigenetic imprinting of the il10 gene at the Deutsches Rheuma-Forschungszentrum (DRFZ), research group of Prof Andreas Radbruch (radbruch@drfz.de)					
April 2013 – July 2013 London	Erasmus mobility for Placement Consorzio KTEU EP6 Study on the role of the microbiota in the development of regulatory B cells at the Medicine Division of University College of London (UCL), research group of Prof Claudia Mauri (<u>c.mauri@ucl.ac.uk</u>)					
September 2010 – October 2013 Italy	Internship in the immunology laboratory at Department of Medical Area (Udine) Study of the microenvironment leading to the expansion and differentiation of IL-10 competent B cells and relative signalling pathways involved in IL-10 production. Continuative internship done for bachelor and master degree in the laboratory of Prof Carlo E.M. Pucillo.					
EDUCATION						
2014-2016	PhD course in Biomedical and Biotechnological ScienceEQF levelUniversity of Udine.PhD thesis: "Epigenetic modifications in <i>il-10</i> gene <i>locus</i> are pivotal for the understanding of IL-10competence in B cells". 31 st March 2017					
2011-2013	Master degree in Sanitary Biotechnologies EQF level University of Udine. Einal evaluation 110/110 cum Laude Academic year 2012-2013 (10 th October 2013) Thesis : "IL-10 competent B cell expansion and II-10 production are differently regulated by immune-					
2008-2011	mediated and infectious stimuli".EQF level (Bachelor degree in Medical BiotechnologiesEQF level (University of Udine.Final evaluation 105/110Final evaluation 105/110Academic year 2010-2011 (29th September 2011)Theis: "Production of anti-inflammatory cytokine IL-10 in B cells: stimuli and signalling pathways"					
PUBLICATIONS						
	<i>IL-10 production by B cells is differentially regulated by immune-mediated and infectious stimuli and requires p38 activation.</i> Mol. Immunol. doi:10.1016/j.molimm.2014.05.018					
	Regulatory B cells are induced by gut microbiota–driven interleukin-1β and interleukin-6 production Nature Medicine 20,1334–1339 (2014) doi:10.1038/nm.3680					
	Message in a bottle from the tumor microenvironment: tumor-educated DCs instruct B cells to participate in immunosuppression Cellular & Molecular Immunology (2017); doi:10.1038/cmi.2017.63					
	Reciprocal influence of B cells and tumor macro and microenvironments in the ApcMin/+ model of colorectal cancer Oncoimmunology, 6:8, e1336593 (2017) doi.org/10.1080/2162402X.2017.1336593					
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IL-10-producing B cells are characterized by a specific methylation signature Eur. J. Immunol. 2019. 00: 1–13 DOI: 10.1002/eji.201848025

MCs crosstalk with B cells in the gut and sustain IgA response in the inflamed colon Eur. J. Immunol. 2020. 00: 1–14 DOI: 10.1002/eji.202048668

il-10 Gene Locus DNA Methylation in Regulatory B Cells. Methods Mol Biol. 2021; 2270:323-339. doi: 10.1007/978-1-0716-1237-8_18.

Purification of Murine and Human IL-10-Producing B Cells from Different Anatomical Compartments.

Methods Mol Biol. 2021; 2270:61-76. doi: 10.1007/978-1-0716-1237-8_4.

Regulatory B cells sec Edition, Methods in Molecular Biology, Preface Methods Mol Biol. 2021; 2270: http://hdl.handle.net/11390/1210620

LPS Guides Distinct Patterns of Training and Tolerance in Mast Cells Front. Immunol., 17 February 2022 | https://doi.org/10.3389/fimmu.2022.835348

Use of organoids in cancer: a new therapeutic and research approach Chapter for Handbook of Cancer Immunology, Springer

Mechanism and clinical evidence of immunotherapy in allergic rhinitis Front. Immunol, Accepted June 2023.

Cancer vaccines: from the state of art to the most promising frontiers in treatment of colorectal cancer, Pharmaceutics. In revision, June 2023

ADDITIONAL INFORMATION	
Membership and Editor activity	SIICA (Società Italiana di Immunologia Immunologia clinica e Allergologia) member since 2014
	Jr Faculty Member of SIICA from May 2021
	Editor for Springer "Methods in Molecular Biology" Editor of the book "Regulatory B Cells - Methods and Protocols, Second Edition", March 2019 – January 2021
	Review Editor for Frontiers in Immunology - Inflammation Form June 2023
Awards	110 Talenti rosa per il lavoro – For best female master students of University of Udine A.Y. 2012/2013, 28 th November 2014
	Travel grant for "International Retreat of PhD students in immunology ", SIICA congress in Catanzaro 19-20 June 2015
	PhD Award 2018 - University of Udine, for the best PhD thesis in medical Area
Conferences	Poster at "IX national congress of SIICA", Firenze 28-31 May 2014
	Oral presentation "International Retreat of PhD students in immunology", Catanzaro 19-20 June 2015.
	Poster at SIBBM "From Genomes to Functions", Torino 1-3 July 2015
	Oral presentation "X national congress of SIICA", Abano Terme 25-28 May 2016
	Oral presentation al "XI national congress of SIICA", 28-31 May 2017
	Moderator "UNIVAX DAY", 21 st February 2020 Poster at "XII national congress of SIICA", Virtual 26-28 May 2021
	\mathbf{F} Usual at Alt halional congress of SHCA, with a 20-20 way 2021

	Moderator "UNIVAX DAY", 17th March 2021 Moderator "Vaccini, quando la scienza spiega", Udine 18th May 2021 Moderator "UNIVAX DAY", Udine 19th April 2022 Poster at "XIII SIICA national congress", Naples 23-26 May Moderator "UNIVAX DAY", Udine 10 th February 2023 Invited speaker "Attune user meeting 2023", Amsterdam 21 st -22 nd March 2023				
Courses	ETICA E CONCEZIONE DEI PROGETTI, MODULI 9, 10, 11, DM AGOSTO 2021, LEGISLAZIONE NAZIONALE ED ETICA LIVELLO 1, MODULI 1 E 2, DM 5 AGOSTO 2021, BIOLOGIA E GESTIONE DEGLI ANIMALI DA LABORATORIO, MODULI 3.1, 4, 5, 6.1, 7. DM 5 AGOSTO 2021 RODITORI E LAGOMORFI. Corso sulla sperimentazione animale OPBA-MBPE, Trieste Maggio 2020 Bioinformatcs for Immunologists, EMBL, Hinxton (Cambridge) July 2019 On the top of Genetics Udine, 22-23 June 2015 Cytomore and More (7 th Modena Advanced Course in Cytometry) Modena, 17-21 September 2018				
Academic appointments	 Dr Andrea Drusin supervisor for his bachelor degree in Biotechnologies (L-2) ("Analisi dell'espressione del gene Interleuchina 10 in cellule B murine in seguito a stimolazione via TLR9") Dr Madalina Pavel supervisr for her Bachelor degree in Biomedical laboratory techniques (SNT/3) ("Metodologie per la valutazione del ruolo di NFAT nell'espressione del gene il-10 nelle cellule B murine") Dr Luca Tosoni supervisor for his Master degree in Medicine and Surgery ("Analisi mutazionale di organoidi murini come modello di carcinogenesi del cancro del colon-retto") Dr Serena Buzzi supervisor for her bachelor degree in Biotechnologies (L-2) "Confronto di due matrici per la crescita 3D di organoidi intestinali sani murini" Laboratory activity (24hr) for "Microbioma e Immune Response", Master Degree in molecular biotechnologies a.y. 2017/2018, 2018/2019, 2020/2021, 2021/2022, 2022/2023 Lecture on "B cell subpopulation" for third year class of Medicine and Surgery, November 2019 Lecture on "B cell subpopulation" for third year class of Medicine and Surgery, November 2022 Lecture on "B cell subpopulation" for third year class of Medicine and Surgery, November 2022 Lecture on "B cell subpopulation" for third year class of Medicine and Surgery, November 2022 Lecture on "B cell subpopulation" for third year class of Medicine and Surgery, November 2022 Lecture on "Why man and women get sick and heal differently?" – comprendere la medicina personalizzata in una prospettiva di genere aa 2022-2023 2022-2023 Professor of General Pathology and Immunology, School of Nursing, University of Udine (Pordenone) Lecture "introduction to Flow Cytometry" in the PhD course in Biomedical and Biotechnological Science, University od Udune 				
Scientific activities	Organizer of "XIII SIICA National Congress 2022", Napoli Organizer of "XIV SIICA National Congress 2023", Verona AIRC - Deciphering the molecular mechanisms driving the interplay between tumor-associated immune cells and cancer cells – IG Pucillo Correlazione fra acidi grassi a catena corta e le cellule B regolatorie nei pazienti affetti da sclerosi multipla – CEUR 3920 22.06.2021				
PERSONAL SKILLS					
Mother Tongue	Italian				
Other languages	UNDERSTANDING		SPEAKING WRITING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
French	A1	A1	A1	A1	A1

Curriculum Vitae

	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user Common European Framework of Reference for Languages			
Job-related skills	 Handling and manipulation of murine models (subcutaneous and intraperitoneal injections) Cell line, primary cell culture and colon and pancreatic organoids Isolation of immune cells from murine organs (B cells, T cells, Mast cells mainly) and human peripheral blood Multiparameter Flow cytometry analysis and cell-sorting (BD, FACS-Ariall, Attune NxT) ELISA assay RNA, DNA extraction and primer design for end-point PCR, qPCR Bacterial transformation and cloning Transfection of eukaryotic cells SNP identification by Sanger Sequencing Methylation study by using Bisulphite-cloning sequencing (Sanger sequencing) and pyrosequencing Chromatin-Immune precipitation Confocal microscopy Transcriptomic analysis Lentiviral infections GC-MS for the analysis of shorty fatty acids 			
Informatics skills	Proficient user of Windows OS, Office (Word, Excel, Access, Power Point) and Web browsers. Basic user of Ubuntu. Image Editing: Adobe Photoshop, Adobe Illustrator, inkscape. Flow cytometry analysis: FlowJo, BD FacsDiva Statistical analysis: GraphPad Prims 5 Bioinformatics tools: UCSC, Vista, Blast, other databases and analysis of datasets of GEO R platform			
Personal Data	In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document			

SIGNATURE

19 June 2023, Udine

Stria Buar