

# SILVIA RUGGERI

## Curriculum Vitae

### Part I – General Information

Full Name	Silvia Ruggeri
E-mail	<a href="mailto:silvia.ruggeri@uniroma1.it">silvia.ruggeri@uniroma1.it</a>
Spoken Languages	Italian, English

### Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2017	Sapienza University of Rome, Italy	Bachelor's Degree in Biotechnologies
University graduation	2020	Sapienza University of Rome, Italy	Master's Degree in Medical Biotechnologies
PhD	2024	Sapienza University of Rome, Italy	Innovation in immuno-mediated and hematological disorders

### Part III – Appointments

#### IIIA – Academic Appointments

Start	End	Institution	Position
1-9-2018	23-1-2020	Sapienza University of Rome, Italy	Master's Thesis Internship
1-3-2020	30-4-2020	Sapienza University of Rome, Italy	Research fellowship
1-11-2020	31-10-2023	Sapienza University of Rome, Italy	PhD Student
1-12-2023	30-11-2024	Sapienza University of Rome, Italy	Postdoctoral fellowship
1-12-2024	30-11-2025	Sapienza University of Rome, Italy	Postdoctoral fellowship
1-12-2025	Ongoing	Sapienza University of Rome, Italy	Postdoctoral fellowship

### Part IV – Courses

Year	Institution	Course
2023	IZS of Abruzzo and Molise, Italy	Theoretical course "Recognition of pain, suffering and distress and its application in

		the evaluation of severity of the procedures”
2024	IZS of Lombardia and Emilia Romagna, Italy	Theoretical course “Biology and management of laboratory animals laboratory, modules 3.1, 4, 5, 6.1, 7. Dm August 5, 2021 rodents and lagomorphs”
2024	IZS of Lombardia and Emilia Romagna, Italy	Theoretical course “National legislation and ethics level 1, modules 1 and 2, Dm August 5, 2021”
2023	IZS of Lazio and Toscana, Italy	Training course “Animals used for scientific purposes – Modules 3.2, 6.2, and 8; functions (a), (c), and (d) of the Ministerial Decree of 5 August 2021: small animal editions. MODULE III – <i>Mus musculus</i> , 6th edition, 29 November.”
2024	Sapienza University of Rome, Italy	Practical traineeship to perform the functions referred to in Art. 1, paragraph 1, letters (a), (c), and (d) of the Ministerial Decree of 5 August 2021 – species: mice

### Part VII – Research Activities

Keywords	Brief Description
Molecular Biology	RNA extraction; PCR and qRT-PCR
Cell Biology	Cell culture maintenance and associated techniques; isolation of peripheral blood mononuclear cells and <i>in vitro</i> differentiation; NK cells purification; functional assays (degranulation and cytokine production); lymphocyte isolation from primary human tumor tissue (colorectal cancer and liver); ability to manage mice in enclosures, organ extraction and processing; multiparametric flow cytometry and cell sorting; confocal microscopy; organoid generation and maintenance
Biochemistry	Protein extraction from cell lines and primary cultures; Western Blot, ELISA assay

### Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	3	Scopus	2021	Ongoing
Papers [national]				
Books [scientific]				
Books [teaching]				

Total Impact factor	15.7
Total Citations	25
Average Citations per Product	8.33

Hirsch (H) index	2
Normalized H index*	0.4

\*H index divided by the academic seniority.

### Total Publications

Publication None with press/media release	First Author/ Co-First	IF	Citations
<i>ADAR1 expression is associated with cervical cancer progression and negatively regulates NK cell activity.</i> Tassinari V, Kaciulis M, Petrai S, Stabile H, Pernazza A, Leopizzi M, Di Maio V, Belleudi F, Ranieri D, Mancini V, Palaia I, Tanzi F, Lospinoso Severini L, <b>Ruggeri S</b> , Greco ME, Bernardini G, Zingoni A, Cippitelli M, Cerboni C, Soriani A. JCI Insight. 2025 Jul 8;10(13):e190244. doi: 10.1172/jci.insight.190244. PMID: 40626357; PMCID: PMC12288899.		6.1	0
<i>Age-dependent NK cell dysfunctions in severe COVID-19 patients.</i> Fionda C, <b>Ruggeri S</b> , Sciumè G, Laffranchi M, Quinti I, Milito C, Palange P, Menichini I, Sozzani S, Frati L, Gismondi A, Santoni A, Stabile H. Front Immunol. 2022 Nov 17;13:1039120. doi: 10.3389/fimmu.2022.1039120. PMID: 36466890; PMCID: PMC9713640.		5.9	14
<i>Cereblon regulates NK cell cytotoxicity and migration via Rac1 activation.</i> Fionda C, Stabile H, Molfetta R, Kosta A, Peruzzi G, <b>Ruggeri S</b> , Zingoni A, Capuano C, Soriani A, Paolini R, Gismondi A, Cippitelli M, Santoni A. Eur J Immunol. 2021 Nov;51(11):2607-2617. doi: 10.1002/eji.202149269. Epub 2021 Sep 18. PMID: 34392531; PMCID: PMC9291148.		3.7	11

### Part IX– Selected Publications

Number	Publication None with press/media release	First Author/ Co-First	IF	Citations
1	<i>ADAR1 expression is associated with cervical cancer progression and negatively regulates NK cell activity.</i> Tassinari V, Kaciulis M, Petrai S, Stabile H, Pernazza A, Leopizzi M, Di Maio V, Belleudi F, Ranieri D, Mancini V, Palaia I, Tanzi F, Lospinoso Severini L, <b>Ruggeri S</b> , Greco ME, Bernardini G, Zingoni A, Cippitelli M, Cerboni C, Soriani A. JCI Insight. 2025 Jul 8;10(13):e190244. doi: 10.1172/jci.insight.190244. PMID: 40626357; PMCID: PMC12288899.		6.1	0
2	<i>Age-dependent NK cell dysfunctions in severe COVID-19 patients.</i> Fionda C, <b>Ruggeri S</b> , Sciumè G, Laffranchi M, Quinti I, Milito C, Palange P, Menichini I, Sozzani S, Frati L, Gismondi A, Santoni A, Stabile H. Front Immunol. 2022 Nov 17;13:1039120. doi: 10.3389/fimmu.2022.1039120. PMID: 36466890; PMCID: PMC9713640.		5.9	14
3	<i>Cereblon regulates NK cell cytotoxicity and migration via Rac1 activation.</i> Fionda C, Stabile H, Molfetta R, Kosta A, Peruzzi G, <b>Ruggeri S</b> , Zingoni A, Capuano C, Soriani A,		3.7	11

	Paolini R, Gismondi A, Cippitelli M, Santoni A. Eur J Immunol. 2021 Nov;51(11):2607-2617. doi: 10.1002/eji.202149269. Epub 2021 Sep 18. PMID: 34392531; PMCID: PMC9291148.			
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