



Curriculum

Vitae

Personal information

Name/Surname	Eleni Anastasiadou
Address	Department of Experimental Medicine, Viale Regina Elena, 324, 00161, Rome, Italy.
Open Researcher and Contributor ID	orcid.org/0000-0003-0212-6734
Present occupation	RTDA, SSD MED/46, SC 06/N1 Sapienza University, Rome, Italy. Department of Experimental Medicine, Laboratory of cellular Biotechnology.
Education and training	
2004	Master Degree in Biology, Sapienza University, Rome, Italy.
2009	PhD in Experimental Medicine, Sapienza University, Rome, Italy.
2014	Specialization in Microbiology and Virology, Sapienza University, Rome, Italy.
2019	- National scientific Eligibility for associate professor in SC 06/A2 General Pathology and Clinical Pathology , Valid from 10/05/2019 to 10/05/2028. - National scientific Eligibility for associate professor in SC 06/N1 Health professions Sciences and applied Medical technologies , Valid from 06/09/2019 to 06/09/2028.
Research experience	
2021- present	Researcher type A (RTDA), Sapienza University, Rome Department of Experimental Medicine. Laboratory of cellular biotechnology, P.I. Cinzia Marchese. Project: Role of non-coding RNAs in cancer and regenerative medicine.
2018-2020	Research Associate (Assegnista di ricerca), Laboratory of cellular biotechnology, P.I. Cinzia Marchese.
2014-2018	Senior Research Associate, BIDMC/Harvard Medical School, Boston, USA Institute for RNA Medicine, Department of Pathology, P.I. Frank Slack,. Project: Role of miRNAs in cancer.
2010-2014	Research Associate (Assegnista di ricerca), Sapienza University, Rome Department of Experimental Medicine, Laboratory of Virology, P.I. Pankaj Trivedi. Project: Regulation of Epstein-Barr virus latency in B cell lymphomas of varied differentiation stages and the role of miRNAs.
2009-2010	Fellowship "BORSE ARIAUDIO" Sapienza University, Rome Department

of Experimental Medicine Rome Laboratory of Virology, P.I. Pankaj Trivedi
Project: Cellular microRNA regulation by Epstein-Barr virus encoded genes in diffuse large B cell lymphoma.

2005-2006 Visiting Ph.D. student, **NIEHS, Research Triangle Park, North Carolina, USA**
Laboratory of Molecular Carcinogenesis, Dr. Paul Wade. Project: Molecular Mechanisms of Epstein-Barr virus latency in plasmacytoid cells.

Teaching experience

2020-2021 **Docent** of SSD LIN / 12 (in English language) as part of the Integrated Course of Integrated Scientific Medical Methods (IV year I semester) for students of Degree Course in Medicine and surgery "A", Sapienza University of Rome, for the academic year 2020-2021.

2019-2021 **Docent** of SSD LIN / 12 (in English language) as part of the Integrated Course of Basic Medical Scientific Methodology II (I year II semester), for students of Degree Course in Medicine and surgery "D", Sapienza, University of Rome, for the academic years 2019-2020 and 2020-2021.

2019 **Seminar presentation** for 2nd year students of Degree Course in Medicine and Surgery "F" - International Medical School, Sapienza, University of Rome. Seminar title: The dark side of the genome lightens up new ways to fight cancer. Organizer/Coordinator: Prof. Lucia Stefanini.

2018 **Course Instructor for Post-Docs, Faculty, or Staff**, Division of Medical Sciences, assignment teaching for Nanocourse Spring 2018: Non- coding RNA and Cancer. **Harvard Medical School, Boston, USA.**

2011-2013 **Docent and coordinator** of laboratory exercises for the course: Quantitative evaluation of microRNAs and experimental and diagnostic approaches based on microRNAs. Masters II level. Organizer/ coordinator: Prof. Guido Antonelli, Sapienza University, Rome.

Funding

2009-2010 Responsible for research project, Cellular microRNA regulation by Epstein- Barr virus encoded genes in diffuse large B cell lymphoma. Teresa Ariaudo fellowship by Istituto Pasteur, Rome .

2011-2013 Co-investigator, PRIN 2009. 2009YFL2EK_002 Responsabile: TRIVEDI Pankaj
Titolo: "Interazione tra virus di Epstein-Barr e cellula ospite: Regolazione dei micro-RNA cellulari da parte di proteine virali."

2015-2018 Co-investigator, Translational Research program on identification of personalized tumor vaccines and involvement of miRNA in regulation of MUC1, funded by NIH, PI: Avigan, **BIDMC and Dana Farber Harvard Cancer Center, Harvard Medical School, Boston, USA.**

2014-2015 miRagen Therapeutics Inc. Boulder, Colorado, USA. (<http://www.miragen.com/>), Tumor suppressive effect of a compound MRG-106, an inhibitor of miR-155, in mouse models. PI: Slack, Co-PI: Anastasiadou.

**Scientific
society
memberships**

Member of the American Association for Cancer Research (AACR),
Member ID 31358.

Member of the Società Italiana Ricerca Traslazionale e Professioni
Sanitarie–SIRTEPS.

Member of the Italian association of Immunology-Clinical Immunology and
Allergology-SSICA

Patent

**International patent: W02019232160-RNA-AIDED IMMUNOTHERAPEUTICS,
No.PCT/US2019/034573** Inventors: **Eleni Anastasiadou** (Harvard), Frank
Slack (Harvard), Pankaj Trivedi (Sapienza).

https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2019232160&_cid=P12-K87G3Z-72601-1

**Editorial
Board**

Associate Editorial Board member of MicroRNA journal, Bentham
publications, from August 2017 till present. [https://benthamscience.com/
journals/microrna/editorial-board/](https://benthamscience.com/journals/microrna/editorial-board/)

Guest editor: Frontiers in Cell and Developmental Biology Signalling, Special
issue, 2020, Research topic: Targeting Developmental Pathways in
Inflammation and Disease. [https://www.frontiersin.org/research-
topics/13051/targeting-developmental-pathways-in-inflammation-and-
disease](https://www.frontiersin.org/research-topics/13051/targeting-developmental-pathways-in-inflammation-and-disease)

**Reviewer
for
journals**

Reviewer for papers submitted to: Journal of Virology, Oncogene, International
Journal of Cancer, International Journal of Molecular Sciences, Cell Cycle,
Cells, MiRNA journal, Future Virology, Scientific report, Stem Cells
international, Cancers.

Media News

A New Therapeutic Strategy for Cancer

The research project coordinated by **Sapienza** in collaboration with the Beth
Israel Deaconess Medical Centre (BIDMC) of the **Harvard Medical School**,
opens a new therapeutic approach to the treatment of tumours caused by
infections.

1: <https://www.uniroma1.it/en/notizia/new-therapeutic-strategy-cancer>

2: **Readers' Choice: The Best of Leukemia 2019**

Anastasiadou et al., Leukemia, 2019

<https://www.nature.com/collections/aedecgejeh>

[https://www.nature.com/articles/s41375-018-0178-](https://www.nature.com/articles/s41375-018-0178-x)

x

3: [https://www.uniroma1.it/it/notizia/piccoli-rna-grandi-
speranze-scoperta-una-nuova-molecola-rallentare-la-
crescita-tumorale](https://www.uniroma1.it/it/notizia/piccoli-rna-grandi-speranze-scoperta-una-nuova-molecola-rallentare-la-crescita-tumorale)

Personal skills

Mother tongue Greek

Other languages Italian, English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken	Interaction	Spoken production
C1	C1	C1		C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience in teaching at Sapienza University in Molecular Virology master courses and several seminars at the Department of Experimental Medicine, Rome, Ludwig Cancer Center and Institute for RNA Medicine at Harvard Medical School, Boston. I have also participated in international conferences on miRNA and cancer, with oral and poster presentations.

Organizational /managerial skills Over the years, I have trained and supervised undergraduate and graduate students at Sapienza University and at BIDMC Cancer Center, Harvard, towards completion of their research projects. I have excellent skills of organization and management of research projects in collaboration with both national and international research groups.

Job-related skills Excellent skills in Molecular Biology techniques, in vitro : molecular cloning, qRT-PCR, transfections and transductions of DNA and RNA in human and mice derived cancer cell lines. Establishment of lymphoblastoid cell lines (LCLs).
Excellent skills in in vivo studies (mice): handling mice colonies, genotyping, subcutaneous, intravenous and intraorbital injections, tumor xenografts measurements.

Digital skills Office suite (word processor, spread sheet, presentation software), photo editing software gained while preparing scientific articles (Word, Excel, Power Point), Adobe (Photoshop, Illustrator, Reader). Analysis of noncoding RNAs expression in human samples by using data available tools on line: Targetscan, RNA22 v2 microRNA target detection. TANRIC: an open-access resource for interactive exploration of lncRNAs in cancer. Circbase, for exploration of circular RNAs datasets. cBioPortal studies

Conferences with oral, poster and abstract presentation Abstract presentation "EBV at the crossroads in MS pathogenesis: Possible role of pDC in persistent viral infection in the central nervous system", at AINI (Associazione Italiana Neuroimmunologia) conference, Naples, Italy. 08/10/2008 -11/10/2008.

Participation and poster presentation at Tri-Society Annual Conference 2009 of the Society for Leukocyte Biology, International Cytokine Society, & International Society for Interferon and Cytokine Research Cellular and Cytokine Interactions in Health and Disease (Cytokines 2009) 18-21 October 2009 • Lisbon, Portugal, Published in Cytokine Volume 48, Issues 1–2, October–November 2009, Pages 98-99. 18/10/2009-21/10/2009.

Participation and poster presentation at Tri-Society Annual Conference 2009 of the Society for Leukocyte Biology, International Cytokine Society, & International Society for Interferon and Cytokine Research Cellular and Cytokine Interactions in Health and Disease (Cytokines 2009) 18-21 October 2009 • Lisbon, Portugal, Published in Cytokine Volume 48, Issues 1–2, October–November 2009, Pages 98-99. 18/10/2009-21/10/2009.

Participation, presentation and round-table discussion: Cytokines and Interferons: From the Bench to the Bedside 9th Joint Meeting of International Cytokine Society and International Society for Interferon and Cytokine Research 9-12 October 2011 • Florence, Italy, "Plasmacytoid Dendritic Cells are infected by Epstein Barr virus and induces TLR dependent type I IFN production" Cytokine Volume 56, Issue 1, October 2011, Page 106 09/10/2011-12/10/2011.

Abstract, poster presentation and round table discussion: Differential regulation of miR-21 and miR-146a by Epstein-Barr virus encoded EBNA2. Keystone Symposium, Noncoding RNAs in development and Cancer, Vancouver, Canada. 20/01/2013 - 25/01/2013.

Oral Presentation, RNA Days National Symposium, Department of Biology and Biotechnology, Sapienza University, Rome. Organizer-Prof. Irene Bozzoni. "Epstein-Barr virus alters phenotype of terminally differentiated B cells through miR-21 upregulation". 12/09/2013-13/09/2013.

Oral presentation, Epstein-Barr virus infection increases miR-21 in multiple myeloma cells at a Mini symposium on microRNA in health and diseases, 27th September 2013, organizers, Prof. Pankaj Trivedi and Prof. Alberto Faggioni, Department of Experimental Medicine, Sapienza University, Rome, Italy. 27/09/2013 -27/09/2013

Participation and Poster presentation entitled "Epstein-Barr Virus Alters Phenotype of Multiple Myeloma Cells Through Upregulation of miR-21", at Italian Pathology and Translational Medicine Society (SIPMET) YOUNG SCIENTISTS MEETING, Rome, October 23rd-24th, 2013.

Oral Presentation at Ludwig Cancer Center symposium at Harvard Medical School: Title: MicroRNA based tools for understanding and combating drug resistance in cancer. Harvard Medical School, Boston, USA.13/03/2015-13/03/2015.

Nominated and Invited participant at Aspen Cancer Conference 2015, Colorado, USA. Presentation title: Role of oncogenic microRNAs in diffuse large B cell lymphoma.12/07/2015-15/07/2015.

Oral presentation at Ludwig Cancer center symposium, Harvard Medical School. Title: MicroRNA immuno-modulation of PD-L1 in cancer, Boston, USA. 09/11/2015.

Participation and presentation at the American Society of Hematology conference, San Diego, USA, 3-6 December 2016, MUC1-C Inhibition Leads to Decrease in PD- L1 Levels Via up-Regulation of Micro RNAs. Blood, 128(22), 2871, 03-06/12/2016.

Participation, poster presentation and round table discussion: MUC1C regulates PDL1 expression in acute myeloid leukemia, via downregulation of miRNAs. Second AACR Conference on Hematologic Malignancies: Translating Discoveries to Novel Therapies; May 6-9, 2017; Boston, MA. 06/05/2017-09/05/2017.

Oral Presentation: Ludwig Cancer center symposium at Harvard Medical School.
Title: MicroRNA immuno-modulation of PD-L1 in hematological malignancies.
05/06/2017.

Abstract, poster presentation and round table discussion, Epstein-Barr virus encoded EBNA2 alters immune checkpoint PD-L1 expression by downregulating miR-34a in B cell lymphomas. American Association for Cancer Research special conference on Tumor Immunology and Immunotherapy, Boston, USA. 01/10/2017-04/10/2017.

Keystone Symposium on Noncoding RNAs: form, function, physiology. Keystone, Colorado, Abstract, poster presentation and round-table discussion. 25/02/2018-01/03/2018.

Workshop organization

“Non-coding RNA and Immuno-Oncology Mini-Symposium and Workshop”, Beth Israel Deaconess Medical Center, *Harvard Medical School*, 29th March 2018. CLS 421, BIDMC; **Organizers:** *Drs. Frank J Slack and Eleni Anastasiadou.*

Publications

- Eleni Anastasiadou**, Elena Messina, Tiziana Sanavia, Lucia Mundo, Federica Farinella, Stefano Lazzi, Francesca Megiorni, Simona Ceccarelli, Paola Pontecorvi, Francesco Marampon, Cira Rosaria Tiziana Di Gioia, Giorgia Perniola, Pierluigi B. Panici, Lorenzo Leoncini, Pankaj Trivedi, Andrea Lenzi and Cinzia Marchese MiR-200c-3p Contrasts PD-L1 Induction by Combinatorial Therapies and Slows Proliferation of Epithelial Ovarian Cancer through Downregulation of β -Catenin and c-Myc, **Cells** 2021, 10, 519. <https://doi.org/10.3390/cells10030519>.
- Roberto De Luca, Paul J. Davis, Hung-Yun Lin, Fabio Gionfra, Zulema A. Percario, Elisabetta Affabris, Jens Z. Pedersen, Cinzia Marchese, Pankaj Trivedi, **Eleni Anastasiadou**, Roberto Negro and Sandra Incerpi. Thyroid Hormones Interaction With Immune Response, Inflammation and Non-thyroidal Illness Syndrome, **Frontiers in Cell and Dev Biol**, January 2021, doi: 10.3389/fcell.2020.614030.
- Eleni Anastasiadou**, Anita Seto, Xuan Beatty, Melanie Hermreck, Maud-Emmanuelle Gilles, Dina Stroopinsky, Lauren C. Pinter-Brown, Linda Pestano, Cinzia Marchese, David Avigan, Pankaj Trivedi, Diana Escolar, Aimee Jackson and Frank J. Slack. Cobomarsen, an oligonucleotide inhibitor of miR-155, slows DLBCL tumor cell growth *in vitro* and *in vivo* **Clin Cancer Res** November 18 2020 DOI: 10.1158/1078-0432.CCR-20-3139 [Epub ahead of print] PubMed PMID: 33208342
- Silverman EK, Schmidt HHHW, **Anastasiadou E**, Altucci L, Angelini M, Badimon L, Balligand JL, Benincasa G, Capasso G, Conte F, Di Costanzo A, Farina L, Fiscon G, Gatto L, Gentili M, Loscalzo J, Marchese C, Napoli C, Paci P, Petti M, Quackenbush J, Tieri P, Viggiano D, Vilahur G, Glass K, Baumbach J. Molecular networks in Network Medicine: Development and applications. **Wiley Interdiscip Rev Syst Biol Med.** 2020 Nov;12(6):e1489. doi: 10.1002/wsbm.1489. Epub 2020 Apr 19. Review. PubMed PMID: 32307915.
- Ceccarelli S, Pontecorvi P, **Anastasiadou E**, Napoli C, Marchese C. Immunomodulatory Effect of Adipose-Derived Stem Cells: The Cutting Edge of Clinical Application. **Front Cell Dev Biol.** 2020;8:236. doi: 10.3389/fcell.2020.00236. eCollection 2020. Review. PubMed PMID: 32363193
- Pepin ME, Infante T, Benincasa G, Schiano C, Miceli M, Ceccarelli S, Megiorni F, **Anastasiadou E**, Della Valle G, Fatone G, Faenza M, Docimo L, Nicoletti GF, Marchese C, Wende AR, Napoli C. Differential DNA Methylation Encodes Proliferation

and Senescence Programs in Human Adipose-Derived Mesenchymal Stem Cells. **Front Genet.** 2020;11:346. doi: 10.3389/fgene.2020.00346. eCollection 2020. PubMed PMID: 32351540

7. Segal M, Biscans A, Gilles ME, **Anastasiadou E**, De Luca R, Lim J, Khvorova A, Slack FJ. Hydrophobically Modified let-7b miRNA Enhances Biodistribution to NSCLC and Downregulates HMGA2 In Vivo. **Mol Ther Nucleic Acids.** 2020 Mar 6;19:267-277. doi: 10.1016/j.omtn.2019.11.008. Epub 2019 Nov 18. PubMed PMID: 31855835

8. Raparelli V, Proietti M, Lenzi A, Basili S. Sex and Gender Differences in Ischemic Heart Disease: Endocrine Vascular Disease Approach (EVA) Study Design. **J Cardiovasc Transl Res.** 2020 Feb;13(1):14-25. doi: 10.1007/s12265-018-9846-5. Epub 2018 Dec 3. PubMed PMID: 30511337

9. Vescarelli E, Gerini G, Megiorni F, **Anastasiadou E**, Pontecorvi P, Solito L, De Vitis C, Camero S, Marchetti C, Mancini R, Benedetti Panici P, Dominici C, Romano F, Angeloni A, Marchese C, Ceccarelli S. MiR-200c sensitizes Olaparib-resistant ovarian cancer cells by targeting Neuropilin 1. **J Exp Clin Cancer Res.** 2020 Jan 2;39(1):3. doi: 10.1186/s13046-019-1490-7. PubMed PMID: 31898520

10. Mavrikaki M, Pantano L, Potter D, Rogers-Grazado MA, **Anastasiadou E**, Slack FJ, Amr SS, Ressler KJ, Daskalakis NP, Chartoff E. Sex-Dependent Changes in miRNA Expression in the Bed Nucleus of the Stria Terminalis Following Stress. **Front Mol Neurosci.** 2019;12:236. doi: 10.3389/fnmol.2019.00236. eCollection 2019. PubMed PMID: 31636537

11. Mavrikaki M, **Anastasiadou E**, Ozdemir RA, Potter D, Helmholtz C, Slack FJ, Chartoff EH. Overexpression of miR-9 in the Nucleus Accumbens Increases Oxycodone Self-Administration. **Int J Neuropsychopharmacol.** 2019 Jun 3;22(6):383-393. doi: 10.1093/ijnp/pyz015. PubMed PMID: 30989210

12. Nahas MR, Stroopinsky D, Rosenblatt J, Cole L, Pyzer AR, **Anastasiadou E**, Sergeeva A, Ephraim A, Washington A, Orr S, McMasters M, Weinstock M, Jain S, Leaf RK, Ghiasuddin H, Rahimian M, Liegel J, Mollidrem JJ, Slack F, Kufe D, Avigan D. Hypomethylating agent alters the immune microenvironment in acute myeloid leukaemia (AML) and enhances the immunogenicity of a dendritic cell/AML vaccine. **Br J Haematol.** 2019 May;185(4):679-690. doi: 10.1111/bjh.15818. Epub 2019 Mar 3. PubMed PMID: 30828801

13. Raparelli V, Proietti M, Romiti GF, Lenzi A, Basili S. The Sex-Specific Detrimental Effect of Diabetes and Gender-Related Factors on Pre-admission Medication Adherence Among Patients Hospitalized for Ischemic Heart Disease: Insights From EVA Study. **Front Endocrinol (Lausanne).** 2019;10:107. doi: 10.3389/fendo.2019.00107. eCollection 2019. PubMed PMID: 30858826

14. Ayoubian H, Ludwig N, Fehlmann T, Menegatti J, Gröger L, **Anastasiadou E**, Trivedi P, Keller A, Meese E, Grässer FA. Epstein-Barr Virus Infection of Cell Lines Derived from Diffuse Large B-Cell Lymphomas Alters MicroRNA Loading of the Ago2 Complex. **J Virol.** 2019 Feb 1;93(3). doi: 10.1128/JVI.01297-18. Print 2019 Feb 1. PubMed PMID: 30429351

15. **Anastasiadou E**, Stroopinsky D, Alimperti S, Jiao AL, Pyzer AR, Cippitelli C, Pepe G, Severa M, Rosenblatt J, Etna MP, Rieger S, Kempkes B, Coccia EM, Sui SJH, Chen CS, Uccini S, Avigan D, Faggioni A, Trivedi P, Slack FJ. Epstein-Barr virus-encoded EBNA2 alters immune checkpoint PD-L1 expression by downregulating miR-34a in B-cell lymphomas. **Leukemia.** 2019 Jan;33(1):132-147. doi: 10.1038/s41375-018-0178-x. Epub 2018 Jun 26. PubMed PMID: 29946193

16. Trivedi P, Slack FJ, **Anastasiadou E**. Epstein-Barr virus: From kisses to cancer, an ingenious immune evader. **Oncotarget.** 2018 Nov 23;9(92):36411-36412. doi: 10.18632/oncotarget.26381. eCollection 2018 Nov 23. PubMed PMID: 30559926

17. Di Marco M, Ramassone A, Pagotto S, **Anastasiadou E**, Veronese A, Visone R. MicroRNAs in Autoimmunity and Hematological Malignancies. **Int J Mol Sci.** 2018 Oct 12;19(10). doi: 10.3390/ijms19103139. Review. PubMed PMID: 30322050
18. **Anastasiadou E**, Faggioni A, Trivedi P, Slack FJ. The Nefarious Nexus of Noncoding RNAs in Cancer. **Int J Mol Sci.** 2018 Jul 17;19(7). doi: 10.3390/ijms19072072. Review. PubMed PMID: 30018188
19. Stroopinsky D, Rajabi H, Nahas M, Rosenblatt J, Rahimian M, Pyzer A, Tagde A, Kharbanda A, Jain S, Kufe T, Leaf RK, **Anastasiadou E**, Bar-Natan M, Orr S, Coll MD, Palmer K, Ephraim A, Cole L, Washington A, Kufe D, Avigan D. MUC1-C drives myeloid leukaemogenesis and resistance to treatment by a survivin-mediated mechanism. **J Cell Mol Med.** 2018 May 15;. doi: 10.1111/jcmm.13662. [Epub ahead of print] PubMed PMID: 29761849
20. Etna MP, Sinigaglia A, Grassi A, Giacomini E, Romagnoli A, Pardini M, Severa M, Cruciani M, Rizzo F, **Anastasiadou E**, Di Camillo B, Barzon L, Fimia GM, Manganeli R, Coccia EM. Mycobacterium tuberculosis-induced miR-155 subverts autophagy by targeting ATG3 in human dendritic cells. **PLoS Pathog.** 2018 Jan;14(1):e1006790. doi: 10.1371/journal.ppat.1006790. eCollection 2018 Jan. PubMed PMID: 29300789
21. **Anastasiadou E**, Jacob LS, Slack FJ. Non-coding RNA networks in cancer. **Nat Rev Cancer.** 2018 Jan;18(1):5-18. doi: 10.1038/nrc.2017.99. Epub 2017 Nov 24. Review. PubMed PMID: 29170536
22. Pyzer AR, Stroopinsky D, Rosenblatt J, **Anastasiadou E**, Rajabi H, Washington A, Tagde A, Chu JH, Coll M, Jiao AL, Tsai LT, Tenen DE, Cole L, Palmer K, Ephraim A, Leaf RK, Nahas M, Apel A, Bar-Natan M, Jain S, McMasters M, Mendez L, Arnason J, Raby BA, Slack F, Kufe D, Avigan D. MUC1 inhibition leads to decrease in PD-L1 levels via upregulation of miRNAs. **Leukemia.** 2017 Dec;31(12):2780-2790. doi: 10.1038/leu.2017.163. Epub 2017 May 30. PubMed PMID: 28555079
23. Chiara M, Manzari C, Lionetti C, Mechelli R, **Anastasiadou E**, Chiara Buscarinu M, Ristori G, Salvetti M, Picardi E, D'Erchia AM, Pesole G, Horner DS. Geographic Population Structure in Epstein-Barr Virus Revealed by Comparative Genomics. **Genome Biol Evol.** 2016 Dec 14;8(11):3284-3291. doi: 10.1093/gbe/evw226. PubMed PMID: 27635051
24. Adams BD, **Anastasiadou E**, Esteller M, He L, Slack FJ. The Inescapable Influence of Noncoding RNAs in Cancer. **Cancer Res.** 2015 Dec 15;75(24):5206-10. doi: 10.1158/0008-5472.CAN-15-1989. PubMed PMID: 26567137
25. **Anastasiadou E**, Garg N, Bigi R, Yadav S, Campese AF, Lapenta C, Spada M, Cuomo L, Botta A, Belardelli F, Frati L, Ferretti E, Faggioni A, Trivedi P. Epstein-Barr virus infection induces miR-21 in terminally differentiated malignant B cells. **Int J Cancer.** 2015 Sep 15;137(6):1491-7. doi: 10.1002/ijc.29489. Epub 2015 Mar 4. PubMed PMID: 25704079.
26. Veroni C, Marnetto F, Granieri L, Bertolotto A, Ballerini C, Repice AM, Schirru L, Coghe G, Cocco E, **Anastasiadou E**, Puopolo M, Aloisi F. Immune and Epstein-Barr virus gene expression in cerebrospinal fluid and peripheral blood mononuclear cells from patients with relapsing-remitting multiple sclerosis. **J Neuroinflammation.** 2015 Jul 14;12:132. doi: 10.1186/s12974-015-0353-1. PubMed PMID: 26169064
27. **Anastasiadou E**, Slack FJ. Cancer. Malicious exosomes. **Science.** 2014 Dec 19;346(6216):1459-60. doi: 10.1126/science.aaa4024. PubMed PMID: 25525233.
28. Di Napoli A, Al-Jadiri MF, Talerico C, Duranti E, Pillozzi E, Trivedi P, **Anastasiadou E**, Alsaadawi AR, Al-Darraji AF, Al-Hadad SA, Testi AM, Uccini S, Ruco L. Epstein-

Barr virus (EBV) positive classical Hodgkin lymphoma of Iraqi children: an immunophenotypic and molecular characterization of Hodgkin/Reed-Sternberg cells. **Pediatr Blood Cancer.** **2013** Dec;60(12):2068-72. doi: 10.1002/pbc.24654. Epub 2013 Sep 2. PubMed PMID: 24000236.

29. Severa M, Giacomini E, Gafa V, **Anastasiadou E**, Rizzo F, Corazzari M, Romagnoli A, Trivedi P, Fimia GM, Coccia EM. EBV stimulates TLR- and autophagy-dependent pathways and impairs maturation in plasmacytoid dendritic cells: implications for viral immune escape.

Eur J Immunol. **2013** Jan;43(1):147-58. doi: 10.1002/eji.201242552. Epub 2012 Oct 30. PubMed PMID: 22996354.

30. Rosato P*, **Anastasiadou E***, Garg N, Lenze D, Boccellato F, Vincenti S, Severa M, Coccia EM, Bigi R, Cirone M, Ferretti E, Campese AF, Hummel M, Frati L, Presutti C, Faggioni A, Trivedi P. Differential regulation of miR-21 and miR-146a by Epstein-Barr virus-encoded EBNA2. **Leukemia.** **2012** Nov;26(11):2343-52. doi: 10.1038/leu.2012.108. Epub 2012 Apr 19. PubMed PMID: 22614176

*Equal contribution

31. Anastasiadou E, Boccellato F, Vincenti S, Rosato P, Bozzoni I, Frati L, Faggioni A, Presutti C, Trivedi P. Epstein-Barr virus encoded LMP1 downregulates TCL1 oncogene through miR-29b. **Oncogene.** **2010** Mar 4;29(9):1316-28. doi: 10.1038/onc.2009.439. Epub 2009 Dec 7. PubMed PMID: 19966860.

32. Anastasiadou E, Vaeth S, Cuomo L, Boccellato F, Vincenti S, Cirone M, Presutti C, Junker S, Winberg G, Frati L, Wade PA, Faggioni A, Trivedi P. Epstein-Barr virus infection leads to partial phenotypic reversion of terminally differentiated malignant B cells. **Cancer Lett.** **2009** Nov 1;284(2):165-74. doi: 10.1016/j.canlet.2009.04.025. Epub 2009 May 28. PubMed PMID: 19481340

33. Boccellato F, **Anastasiadou E**, Rosato P, Kempkes B, Frati L, Faggioni A, Trivedi P. EBNA2 interferes with the germinal center phenotype by downregulating BCL6 and TCL1 in non-Hodgkin's lymphoma cells. **J Virol.** **2007** Mar;81(5):2274-82. doi: 10.1128/JVI.01822-06. Epub 2006 Dec 6. PubMed PMID: 17151114

34. Anastasiadou E, Boccellato F, Cirone M, Kis LL, Klein E, Frati L, Faggioni A, Trivedi P. Epigenetic mechanisms do not control viral latency III in primary effusion lymphoma cells infected with a recombinant Epstein-Barr virus. **Leukemia.** **2005** Oct;19(10):1854-6. doi: 10.1038/sj.leu.2403895. PubMed PMID: 16079894.

35. Trivedi P, Takazawa K, Zompetta C, Cuomo L, **Anastasiadou E**, Carbone A, Uccini S, Belardelli F, Takada K, Frati L, Faggioni A. Infection of HHV-8+ primary effusion lymphoma cells with a recombinant Epstein-Barr virus leads to restricted EBV latency, altered phenotype, and increased tumorigenicity without affecting TCL1 expression. **Blood.** **2004** Jan 1;103(1):313-6. doi: 10.1182/blood-2003-05-1710. Epub 2003 Sep 11. PubMed PMID: 12969959.

URL of
publications:

<https://www.ncbi.nlm.nih.gov/myncbi/1fQadGWP0KxsLa/bibliography/public/>

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