Curriculum Vitae

Name	Asta Lučiūnaitė		
Title	Dr		
Address	Institute of Biotechnology Life Sciences Center Vilnius University		
1 <b>Tuul C</b> 35	Sauletekio av 7 Vilnius Lithuania		
	e-mail: asta luciunaite@hti vu lt		
Education	2010-2014 – BSc Biochemistry at Vilnius University		
Education.	2012-2016 – MSc Biochemistry at Vilnius University		
	2022 PhD degree in Natural Science (Biochemistry N 004)		
Employment:	05/06/2013-30/06/2017 – laboratory assistant at Institute of		
<b>F</b> J	Biotechnology Life Sciences Center Vilnius University:		
	01/07/2018 30/11/2019 biologist at Institute of Biotechnology Life		
	Sciences Contor, Vilnius University.		
	Sciences Center, vinnus University;		
	(Universitätsklinikums Bonn):		
	01/12/2010 31/08/2022 junior researcher at Institute of Biotechnology		
	Life Sciences Center, Vilnius University		
	From 01/09/2022 – junior researcher at Institute of Biotechnology Life		
	Sciences Center Vilnius University		
Sunervising	Supervisor of Vilnius University bachelor students Marta Zareckaja		
activities:	Kotryna Dukštaitė. Lina Ramanauskaitė		
Main research	Innate immunity and inflammation, inflammasome activation pathways:		
interests:	Mechanisms of neurodegenerative disease, especially Alzheimer's disease:		
	Macrophage/microglia biology, phagocytosis of oligomeric proteins;		
	Properties of amyloid-β aggregates;		
	Macrophage activation by antigen and its immune complex;		
	Viral infection, innate immune cell response to viral antigens.		
	Methods:		
	Cell lines (L929, J774, BV2, CHO and 7PA2, THP-1, etc.) cultivation,		
	primary macrophage cell culture preparation, hybridoma technology;		
	Immunochemical techniques: ELISA, WB, immunoprecipitation,		
	immunocytochemistry (fluorescence microscopy);		
	Affinity chromatography and basics in size exclusion chromatography;		
	Flow cytometry (BD FACS Canto II, Partec CyFlow);		
	Basics in animal experiments: immunisation, blood collection;		
	FELASA C certificate (2014).		
National research	<b>05/06/2013-</b> 1/12/2015 – laboratory assistant at VP1-3.1-SMM-07-K-02-039		
projects:	project of the European Social Fund under Global Grant Measure "New		
	chimeric proteins with antiviral activity"		
	U1/10/2015-12/08/2016 – laboratory assistant at SEN-04/2015 project		
	, investigation of numan carbonic annydrase IX as a cancer diagnostics,		
	Visualization and prognosis $01/03/2020$ $1/12/2021$ junior researcher at SEN 20.11 project. The		
	Impact of Viral Antigens on Immune Cells in The Context of Inflammaging"		
	109/05/2022 = 31/08/2022 = iunior researcher at 09.3.3 = 1 MT-K = 712 = 17-0008		
	project		
	01/09/2022- current – researcher at 13.1.1-LMT-K-718-05-0031 project		
	"Development of diagnostic antibodies against SARS-CoV-2".		
Conferences	Poster presentations:		
	Luciunaite, A.: MacManus R.: Schwartz S.: Jankunec M.: Brosseron		
	F.: Heneka MT. NLRP3 Inflammasome Activation by Amyloid-beta		
	Oligomers in Microglia Cells International Conference of Life		
	Sciences The Coins 2020" Vilnius Lithuania 25-27 February 2020		
	<b>Lučiūngita</b> $\mathbf{A} \cdot MacManus \mathbf{P} \cdot Lankunga \mathbf{M} \cdot Schwartz \mathbf{S} \cdot \mathbf{I}$ at $\mathbf{E} \cdot$		
	Hanaka MT, Saluhla AR Olizamara Induca MI DD2 Inflammasana		
	A stigation in Misro alia Cally, EMDO and alia Call 1, 4		
	Acuvation in Microglia Cells. EMBO workshop Cell death in		
	immunity and inflammation. Crete, Greece, October 6-9, 2019.		
	<b>Luciunaite, A.</b> ; MacManus R.; Jankunec M.; Schwartz S.: Latz E.:		

	immunity and Council of Lit	inflammation" from EMBO (2019) and from Research huania.			
Awards	Travel grant for conference "EMBO workshop: Cell death in				
		Readings.			
		Students of Physics and Natural Sciences Open			
		macrophages" at the 58th Scientific Conference for			
		immune complexes on the phenotype of			
	25/03/2015	"The influence of oligomeric proteins and their			
	25/02/2015	Keadings.			
		Students of Physics and Natural Sciences Open			
		epilepticus" at the 59th Scientific Conference for			
	15/03/2016	"Changes in GABAergic synapses induced by status			
		Society.			
		International Conference of Lithuanian Biochemical			
		and Their Immune Complexes" at XIVth			
	27/06/2016	"Activation of Macrophages with Oligomeric Proteins			
		Lithuanian Academy of Sciences.			
		conference "Bioateitis" for young scientists held by			
		complexes on macrophage phenotype" at the			
	12/12/2017	Keauings. "Influence of oligometric proteins and their immuno			
		Students of Physics and Natural Sciences Open			
		macrophages" at the 60th Scientific Conference for			
		immune complexes on the phenotype of			
	17/03/2017	"The influence of oligomeric proteins and their			
	Oral talks:				
	17-20 June, 20	)14.			
	Conference of	Lithuanian Biochemical Society. Birštonas, Lithuania.			
	complexes on	the phenotype of macrophages XIIIth International			
	Luciunaite, A	a.; Dalgediene, I; Zvirbliene, A. Model system for			
	Conterence. V	Ilnius, Lithuania, 2016: 43-44.			
	complexes on	the phenotype of macrophages. Vita Scientia			
	research of the	e influence of oligomeric proteins and their immune			
	Luciunaite, A	.; Dalgediene, I; Zvirbliene, A. Model system for			
	Vilnius, Lithu	anaia, 9 December, 2016.			
	complexes. 8t	h Conference of Lithuanian Neuroscience Association.			
	macrophages	macrophages with beta-amyloid oligomers and their immune			
	Luciunaite. A	.; Dalgediene, I; Zvirbliene, A. Activation of			
	Heidelberg G	ermany, 14-17 June, 2017.			
	$\frac{\text{after activation}}{\text{FMRO} \mid \text{FMR}}$	II will beta-amytolus and viral ongomeric proteins.			
	Luciunaite, A	.; Dalgediene, I; Zvirbliene, A. Macrophage phenotype			
	September, 20	118. . Delegdiana I. Zwiebliege A. Marson 1 1.			
	EMBO works	hop The Inflammasome. Munich, Germany, 25-28			
	Microglial NL	RP3 inflammasome activation by $A\beta$ aggregates.			
	Luciunaite, A	.; MacManus R., Schwartz S., Latz E., Heneka MT.			
	Germany, 25-2	27 March, 2019.			
	Activation in 1	Microglia Cells. 5th BonnBrain Meeting. Bonn,			
	Heneka MT S	Soluble Aß Oligomers Induce NLRP3 Inflammasome			
	Luciunaito A	hation. Bonn, Germany, 9-11 May, 2019.			
	Activation in	Microglia Cells. 6 <sup>th</sup> Venusberg Meeting on			
	Heneka MT. S	Soluble Aβ Oligomers Induce NLRP3 Inflammasome			

	One year promotional doctoral scholarship from Research Council of Lithuania (2019).		
	Scholarship grant for internship at University Hospital Bonn from Research Council of Lithuania, project No.: 09.3.3-LMT-K-712-14- 0019 (05/2019-04/2019).		
	Scholarship grant for internship at University Hospital Bonn from Lithuanian Education Exchanges Support Foundation (01/2019- 09/2018).		
	One-year Erasmus+ scholarship for internship at University Hospital Bonn (Universitätsklinikums Bonn) (04/2017-04/2018).		
	Travel grant for conference "EMBO/EMBL symposium: Mechanism of Neurodegeneration" attendance from EMBL Advanced Training Centre (2017).		
	Winner prize of 3 <sup>rd</sup> place for the best oral presentation at Lithuanian Academy of Sciences conference "Bioateitis" (2016).		
	Erasmus+ scholarship for internship at University of Coimbra (09/2015-06/2015).		
Fellowships:	<ul> <li>04/2017 – 05/2019 – internship in research laboratory at Department of Neurodegenerative Disease and Gerontopsychiatry/Neurology, University Hospital Bonn, Prof. Dr. Michael T. Heneka's group.</li> <li>06/2015 – 09/2015 – internship in research laboratory at CNC-Center for Neuroscience and Cell Biology, University of Coimbra, Prof. Dr. Carlos B.</li> </ul>		
	Duarte's group.		
International collaboration:	Prof. Dr. Michael T. Heneka, University Hospital Bonn (Universitätsklinikums Bonn), Germany.		
Foreign	English		
languages:			

## Publications

- Lučiūnaitė A, Dalgėdienė I, Žilionis R, Mašalaite K, Norkiene M, Šinkunas A, Gedvilaite A, Kucinskaite-Kodze I, Žvirblienė A. Activation of NLRP3 Inflammasome by Virus-like Particles of Human Polyomaviruses in Macrophages. Front. Immunol. 2022 March; 13:831815. doi: 10.3389/fimmu.2022.831815.
- Skerniškytė J, Karazijaitė E, Lučiūnaitė A, Sužiedėlienė E. OmpA Protein-Deficient Acinetobacter baumannii Outer Membrane Vesicles Trigger Reduced Inflammatory Response. Pathogens. 2021 Mar 31;10(4):407. doi: 10.3390/pathogens10040407.
- Lučiūnaitė A, McManus RM, Jankunec M, Rácz I, Dansokho C, Dalgėdienė I, Schwartz S, Brosseron F, Heneka MT. Soluble Aβ oligomers and protofibrils induce NLRP3 inflammasome activation in microglia. J Neurochem. 2019 Dec 23:e14945. doi: 10.1111/jnc.14945.
- Dalgėdienė I, Lučiūnaitė A, Žvirblienė A. Activation of Macrophages by Oligomeric Proteins of Different Size and Origin. Mediators Inflamm. 2018 Nov 18;2018:7501985. doi: 10.1155/2018/7501985.