



Name **Ada TELEA**

Academic title: **Lecturer**

Scientific title: PhD

Email teleaada@gmail.com

Scientific interest

Biotechnologies. Research specialization in biotechnologies started in 2004 with enrollment in PhD program. The PhD thesis was finalized in 2009, in research animal reproductive biotechnologies area being a specialist in *in vivo* and *in vitro* embryo production, evaluation of embryo viability, *in vitro* manipulation of mammalian embryos. In 2008 I started a research internship at University College Dublin, and I started research in microbial biotechnologies, activity that was materialized in research grants and publications. In 2011, following a research internship at Agricultural Biotechnology Center, Gödöllő – Hungary, in Applied Embryology and Stem Cell Research Group, I started research in embryonic stem cells. In 2012 I was included in OncoGen research group and I started research in mesenchymal stem cells, cancer therapy and environmental medicine. In 2006-2014 I worked on 12 national and international research grants, published numerous research papers and 2 books as coauthor, all in the area of biotechnologies.

Main publications

Alvarez LA, Kovačič L, Rodríguez J, Gosemann JH, Kubica M, Pircalabioru GG, Friedmacher F, Cean (Telea) A, Ghișe A, Sărăndan MB, Puri P, Daff S, Plettner E, von Kriegsheim A, Bourke B, Knaus UG., NADPH oxidase-derived H₂O₂ subverts pathogen signaling by oxidative phosphotyrosine conversion to PB-DOPA, PNAS 2016 ; published ahead of print August 25, 2016, Impact Factor 9,423

Anastasiu DM, Cean (Telea) A, Bojin MF, Gluhovschi A, Panaitescu C, Păunescu V, Tănăsie G., Explants-isolated human placenta and umbilical cord cells share characteristics of both epithelial and mesenchymal stem cells, Rom J Morphol Embryol 2016, 57(2):383–390, Impact Factor 0,811

Daniela Elena Ilie, Ada Cean (Telea), Ludovic Toma Ciszter, Dinu Gavojdian, Alexandra Ivan, Szilvia Kusza Microsatellite and Mitochondrial DNA Study of Native Eastern European Cattle Populations: The Case of the Romanian Grey, PLoS ONE 10(9): 2015, e0138736. doi:10.1371/journal.pone.0138736, Impact Factor 3,234

Nicolae Corcionivoschi, Ozan Gundogdu, Lynn Moran, Carmel Kelly, Pam Scates, Lavinia Stef, Ada Cean (Telea), Brendan Wren, Nick Dorrell and Robert H Madden, Virulence characteristics of hcp + Campylobacter jejuni and Campylobacter coli isolates from retail chicken, Gut Pathogens 2015, 7:20, DOI: 10.1186/s13099-015-0067-z, Impact Factor 2.816

Ada Cean (Telea), Lavinia Stef, Eliza Simiz, Calin Julean, Gabi Dumitrescu, Aida Vasile, Dan Drinceanu, Nicolae Corcionivoschi, The effect of human isolated probiotic bacteria on preventing

Campylobacter jejuni colonization of poultry, Foodborne Pathogens and Disease Dis. 2015 Feb;12(2):122-30. doi: 10.1089/fpd.2014.1849., Impact Factor 2,092.

Fabian R. Tatu, Sabine S. Groza, Florina M. Bojin, Laura Marusciac, Oana I. Gavriiliuc, Mihai Hurmuz, Ada Cean (Telea), Carmen S. Tatu, Virgil Paunescu, In vivo Functional Studies of Human Adult Mesenchymal Stem Cells Migration towards Inflammatory Lesions after Transfection with CD29 Specific siRNA in Mouse Models, Romanian Biotechnological Letters Vol. 20, No. 6, 2015, ISSN 1224 – 5984, Impact Factor 0.404

Carmen S. Tatu, Florina M. Bojin, Gruia T. Alexandra, Valentin Ordodi, Felix A. Mic, Iman Vlad, Ada Cean (Telea), Oana I. Gavriiliuc, Virgil Paunescu, Features of Lipid Metabolism along Differentiation Pathway of Human Mesenchymal Stem Cells towards Mature Adipocytes, Romanian Biotechnological Letters, Vol.19, 9257-9271, No2, 2014, ISSN 1224 – 5984, Impact Factor 0,363

Lavinia Stef, Ada Cean (Telea), Aida Vasile, Calin Julean, Dan Drinceanu, Nicolae Corcionivoschi, Virulence characteristics of five new Campylobacter jejuni chicken isolates, Gut Pathogens, 2013, 5:41, ISSN: 1757-4749, Impact factor 2,74

Alexandra Ivan, V. Ordodi, Ada Cean (Telea), Daniela E. Ilie, Carmen Panaitescu, Gabriela Tănasie, Comparative Study of the Differentiation Potential of Rat Bone Marrow Mesenchymal Stem Cells And Rat Muscle-Derived Stem Cells, Arch. Biol. Sci., Belgrade, 65 (4), 1307-1315, 2013 ISSN 0354-4664, Impact Factor 0,791

Nicolae Păcală, Alexandra Ivan, Ada Cean (Telea), Vitrification of Mice Embryos in Different Developmental Stages Using Four Vitrification Methods, Biotechnol. & Biotechnol. Eq. 2012, 26(5), 3324-3328, ISSN 1310-2818, DOI: 10.5504/bbeq.2012.0078 Impact Factor 0,760;

Affiliations

UMF "Victor Babes" Timisoara
OncoGen Institute -SCJUT Timisoara