

OLGA ANCZUKÓW, Ph.D.

Associate Professor

The Jackson Laboratory for Genomic Medicine, 10 Discovery Drive, Farmington, CT 06032

Email: olga.anczukow@jax.orgLab website: www.anczukowlab.comwww.jax.org/research-and-faculty/research-labs/the-anczukow-lab**RESEARCH INTERESTS**

My research goals are to define how rewiring of the splicing machinery contributes to tumor initiation, progression, and drug response, what triggers splicing alterations in tumors, and ultimately to translate this knowledge to develop innovative RNA-targeted therapeutics. My lab uses patient-derived models and RNA-sequencing to identify oncogenic splicing factors and their targets, as well as upstream pathways that regulate these in healthy aging and in disease. My unique expertise in both RNA biology and cancer research allows me to connect these fields, and by combining innovative tools and interdisciplinary approaches to identify novel biomarkers and personalized drugs for cancer therapies.

ACADEMIC APPOINTMENTS

Associate Professor

The Jackson Laboratory for Genomic Medicine, CT, USA 2022-present

Research Program Co-Leader

NCI-Designated Jackson Laboratory Cancer Center, ME, USA 2022-present

Assistant Professor

The Jackson Laboratory for Genomic Medicine, CT, USA 2016-2022

Affiliated Faculty

Department of Genetics and Genome Sciences, University of Connecticut School of Medicine, CT, USA 2016-present

Investigator

Institute for Systems Genomics, University of Connecticut, CT, USA 2016-present

Senior Fellow

Cold Spring Harbor Laboratory, NY, USA 2013-2016

RESEARCH TRAINING

Postdoctoral Fellow

Cold Spring Harbor Laboratory, NY, USA 2008-2013

Graduate Research Assistant

CNRS UMR5201, Lyon, France 2003-2007

Visiting Scientist

Molecular Medicine Partnership Unit, EMBL-Heidelberg University, Germany 2005

Undergraduate Research Assistant

CNRS UMR5201, Lyon, France 2002-2003

Research Assistant

International Agency for Research on Cancer, WHO, Lyon, France 2002

Research Assistant

Human Molecular Genetics Laboratory, Medical School, Lyon, France 2001

EDUCATION

Ph.D., Molecular Biology and Breast Cancer

Université Claude Bernard Lyon 1, Lyon, France 2008

M.S., Molecular Genetics and Breast Cancer

Ecole Normale Supérieure de Lyon and Université Claude Bernard Lyon 1, Lyon, France

2003

B.S., Molecular and Cellular Biology

Ecole Normale Supérieure de Lyon and Université Claude Bernard Lyon 1, Lyon, France

2001

RESEARCH SUPPORT

Current

NIH/NCI, R01 CA277495	05/01/2024–04/30/2029
PI: Lewis, R AK (Co-investigator Anczuków, O.) <i>Regulation of RBP function during EMT</i>	
NIH/AI, U19 AI142733-06	03/21/2024–02/28/2029
PI: Palucka AK (Co-investigator Anczuków, O.) <i>Modulation of Lung Immune Responses to Viral Infection</i>	
NIH/NIAMS, P50 AR070594	09/01/2022–05/31/2027
PI: Pascual, V. (Co-investigator Anczuków, O.) <i>Center for Lupus Research - Center for Lupus Research - Project 2</i>	
NIH/NCI, R01 CA248317	02/09/2021–01/31/2026
PI: Anczuków-Camarda, O. <i>MYC-regulated RNA Binding Protein Networks and Spliced Isoforms Driving Cancer</i>	
NIH/NIGMS, R01 GM138541	07/01/2020–04/30/2025
PI: Anczuków-Camarda, O. <i>Mechanisms of post-transcriptional regulation of splicing factors</i>	
NIH/NIA, R21 AG080243	09/01/2023–05/31/2025
PI: Anczukow-Camarda, O. Chuang, J. (Multi-PI) <i>Building a spatial transcriptomics infrastructure for isoform profiling in aging pre-neoplastic tissues</i>	
Hevolution Foundation, R21/R33 AGE-002	01/15/2023–01/14/2028
PI: Anczukow-Camarda, O. Chuang, J. (Multi-PI) <i>Building a spatial transcriptomics infrastructure for isoform profiling in aging epithelial tissues</i>	
NIH/NCI, P30 CA034196S1	04/01/2021–11/30/2024
PI: Palucka, K. (Co-investigator Anczuków, O.) <i>Cancer Center Support Grant</i>	
The Jackson Laboratory Cancer Center Fast Forward Award, P30 CA034196	04/15/2024–12/32/2024
PI: Anczuków, O. <i>Mapping transcriptomic changes associated with STAT2 isoforms in lung cancer cell lines</i>	

Completed Research Support

The Jackson Laboratory Cancer Center Award, P30 CA034196	09/01/2023–02/28/2024
PI: Anczuków, O. <i>Enhancing long-read single cell sequencing methods</i>	
The Scott R. MacKenzie Foundation	01/01/2023–12/31/2023
PI: Anczuków, O. <i>Identifying novel drivers of age-related breast cancers</i>	
The Jackson Laboratory Director's Innovation Award,	01/01/2022–12/31/2023
PI: Anczuków, O. and Hinson, JT. (Multi-PI) <i>Sex-dependent (epi)transcriptomic responses to the aging HFpEF heart</i>	

- The Jackson Laboratory Cancer Center Fast Forward Award, P30 CA034196** 12/01/2022–11/30/2023
 PI: Anczuków, O.
Defining splicing alterations driven by hormones and metabolic stress in aged mammary tissues
- NIH/NCI, R01 CA230031** 06/05/2018–05/31/2023
 PI: Chuang, J. (Co-investigator Anczuków, O.)
Quantitative Computational Methods to Accurately Measure Tumor Heterogeneity in Solid Tumors to Inform Development of Evolution-based Treatment Strategies
- The Jackson Laboratory Cancer Center Fill the Gap Award, P30 CA034196** 04/12/2022–03/31/2023
 PI: Liu E., Anczuków, O. (Multi-PI)
RNA spliced isoforms in acquired resistance to chemotherapy for triple negative breast cancer
- The Jackson Laboratory Cancer Center Fast Forward Award, P30 CA034196** 05/01/2021–12/31/2022
 PI: Anczuków, O.
The poison exon of oncogenic splicing factor TRA2B acts as a tumor suppressor lncRNA across multiple tumor types
- Linda Tallen and David Paul Kane Education and Research Foundation** 02/01/2022–10/31/2022
 PI: Anczuków, O.
Identifying novel drivers of age-related breast cancers
- The Jackson Laboratory Cancer Center Pilot Award, P30 CA034196** 11/01/2020–11/30/2021
 PI: Anczuków, O. and Ucar, D. (Multi-PI)
Age-related changes in transcriptional regulatory programs of mammary gland cells as a risk factor for breast cancer
- NIH/AI, U19 AI142733-03** 07/01/2021–10/09/2021
 PI: Palucka, A. (Co-investigator Anczuków, O.)
Modulation of Lung Immune Responses to Viral Infection
- Sanofi US Services, SANOFI-SRA-FY19-JFB** 01/02/2019-07/30/2021
 PI: Banchemreau, J. (Co-investigator Anczuków, O.)
Identification of Novel Therapeutic Targets in Triple Negative Breast Cancer and Ovarian Carcinoma through Long-Read Isoform Profiling
- The Jackson Laboratory Cancer Center FF Award, P30 CA034196** 11/16/2020–12/31/2020
 PI: Anczuków, O. and Ucar, D. (Multi-PI)
Splicing alterations during aging and breast cancer
- V Foundation, V2018-018** 10/01/2018–09/30/2020
 PI: Anczuków, O.
Uncovering Genomic Alterations in the Breast, Paving the Road to Early Cancer Detection and Prevention
- The Jackson Laboratory Cancer Center Pilot Award, P30 CA034196** 03/01/2018–06/30/2019
 PI: Anczuków, O.
Developing models and tools to dissect the role of splicing factor TRA2 β in epithelial tumors
- JAX-Purdue Pilot Award, DIF-FY18-OAC** 01/01/2018–08/31/2019
 PI: Anczuków, O. and Solorio, L. (Multi-PI)
The role of extracellular matrix driven splice variants in drug resistance and metastasis
- NIH/NCI, R00 CA178206** 07/01/2016–06/30/2019
 PI: Anczuków-Camarda, O.
Role of Splicing Factors in Breast Cancer
- Completed Research Support prior to 2016**
- NIH/NCI, K99 CA178206** 09/01/2013–06/30/2016
 PI: Anczuków-Camarda, O.
Role of Splicing Factors in Breast Cancer

Terri Brodeur Breast Cancer Foundation, 66810-101	01/01/2013–12/31/2014
PI: Anczuków-Camarda, O. <i>Measuring Transcriptome-wide Changes in Alternative Splicing in Cancer</i>	
Susan G. Komen for the Cure Foundation, KG091029	06/04/2009–06/03/2012
PI: Anczukow-Camarda, O. and Krainer A.R. <i>Role of Alternative Splicing in Epithelial Cell Transformation</i>	
French Foundation for Medical Research, SPE20070709581	01/01/2008–12/31/2008
PI: Anczukow-Camarda, O. <i>Role of Alternative Splicing Factors in Initiation and Progression of Human Breast Cancer</i>	
Cancer Research Foundation ‘Ligue Contre le Cancer’	09/01/2006-31/12/2006
PI: Anczuków, O. <i>Molecular consequences of mutations in breast cancer predisposing genes</i>	
Cancer Research Foundation ‘Ligue Contre le Cancer de Saône-et-Loire’	09/01/2004-08/31/2006
PI: Anczuków, O. <i>Molecular consequences of mutations in breast cancer predisposing genes</i>	

HONORS & AWARDS

V Foundation, V Scholar,	2018-2020
NIH/NCI, Career Transition Award, ‘Pathway to Independence’ K99/R00	2013-2019
RNA Society, Scaringe Young Scientist Postdoctoral Award	2015
AACR, Advances in Breast Cancer Research Conference, Scholar-in-Training Award	2015
Gordon Research Conference, Post-Transcriptional Gene Regulation Conference, Award	2014
Terri Brodeur Breast Cancer Foundation, Postdoctoral Fellowship Award	2013-2014
AACR, Advances in Breast Cancer Research Conference, Scholar-in-Training Award	2011
AACR, 101st Annual Meeting, Scholar-in-Training Award	2010
AACR, Advances in Breast Cancer Research Conference, Scholar-in-Training Award	2009
DOD Breast Cancer Research Program, Postdoctoral Fellowship Award (declined)	2009-2011
Susan Komen Breast Cancer Foundation, Postdoctoral Fellowship Award	2009-2011
French Foundation for Medical Research, Postdoctoral Fellowship Award	2008
Philippe Foundation, Postdoctoral Fellowship Award	2008
French Cancer Research Foundation ‘ARC’, Ph.D. Fellowship Award	2007
French Cancer Research Foundation ‘Ligue Contre le Cancer’, Ph.D. Fellowship Award	2004-2006
Michel d’Ornano Foundation, Undergraduate Fellowship Award	1998-2003

TEACHING AND MENTORING EXPERIENCE

Course lecturer

- *Annual Short Course on Experimental Models of Human Cancer*, The Jackson Laboratory Bar Harbor, ME 2017-present
- *CSHL Summer 2024 Chromatin, Epigenetics & Gene Expression Course*, Cold Spring Harbor Laboratory, NY 2024
- *Career Development Workshop*, Cold Spring Harbor Laboratory, NY 2014
- *Grant Writing Workshop*, Cold Spring Harbor Laboratory, NY, 2013

Postdoctoral advisor

- Hyeon Gu Kang, PhD, The Jackson Laboratory 2023-present
Cancer Center Breast Cancer Award, The Jackson Laboratory
- Maeva Devoucoux, PhD, The Jackson Laboratory 2022-present
Brooks Scholar Award, The Jackson Laboratory
- Brittany Angola, PhD, The Jackson Laboratory 2019-2023
Brooks Scholar Award, The Jackson Laboratory
T32 Training Program in Precision Genetics of Aging, Alzheimer's Disease and Related Dementias
NSF Conference Award at the 26th Annual RNA Society Meeting
FASEB Conference Award

Thesis advisor

- Isha Walawalkar, University of Connecticut Health Center MD/PhD Graduate Program 2024-present
T32 UConn/JAX-GM Training Program in Genomic Science Dementias
- Holland Driscoll, University of Connecticut Institute for System Genomics PhD Graduate Program 2023-present
- Ryan Englander (co-mentored with Banchereau and Palucka), University of Connecticut 2021-present
Health Center MD/PhD Graduate Program
NIH/NCI F30 Award
T32 Training Program Precision Genetics of Aging, Alzheimer's Disease and Related Dementias
- Nathan Leclair, University of Connecticut Health Center MD/PhD Graduate Program 2018-2022
Poster award at the UConn Institute for Systems Genomics Symposium
Poster award at the UConn Genetics and Developmental Biology Annual Retreat
Poster award at the 26th Annual RNA Society Meeting
NSF Conference Award at the 26th Annual RNA Society Meeting
Henderson Award for the best dissertation in the Biomedical Science PhD program at UConn
- Laura Urbanski, University of Connecticut Health Center MD/PhD Graduate Program 2017-2021
Poster award at the Jackson Laboratory Annual Symposium
Poster award at the UConn Genetics and Developmental Biology Annual Retreat

Graduate student mentor

- Marcell Szabo, MD/PhD Graduate Program University of Connecticut 2024
- Tylor Brewster, Graduate Program Genetics and Developmental Biology University of Connecticut 2024
- Allison Andrade, Graduate Program Genetics and Developmental Biology University of Connecticut 2024
- Zengshuo Mo, Graduate Program Genetics and Developmental Biology University of Connecticut 2023
- Isha Walawalkar, MD/PhD Graduate Program University of Connecticut 2022
- Sadik Emad Karma, MD/PhD Graduate Program University of Connecticut 2022
- Sharon Yaqoob, Graduate Program Genetics and Developmental Biology University of Connecticut 2021
- Eden Francoeur, Graduate Program Genetics and Developmental Biology University of Connecticut 2021
- Nathan Hudson, Graduate Program Genetics and Developmental Biology University of Connecticut 2020
- Young Jin Kim, Graduate Program Cold Spring Harbor Laboratory and Stony Brook Medicine 2015
- Chitra Mohan, Graduate Program Cold Spring Harbor Laboratory and Stony Brook University 2014
- Tobiloba Oni, Graduate Program Cold Spring Harbor Laboratory and Stony Brook University 2013
- Nitin Shirole, Graduate Program Cold Spring Harbor Laboratory and Stony Brook University 2012
- Chen Shen, Graduate Program Cold Spring Harbor Laboratory and Stony Brook University 2011

Undergraduate student mentor

- Renee Kinney, The Jackson Laboratory Undergraduate Summer Program 2019

- Suleyman Bozal, The Jackson Laboratory Undergraduate Summer Program 2018
- Chenle Hu, Cold Spring Harbor Laboratory High School and Undergraduate Program 2012-2013
Semi-finalist of the Intel Science Talent Search
- Martin Fan, Cold Spring Harbor Laboratory Undergraduate Summer Program 2010
- Ludivine Gouny, Université Claude Bernard Lyon 1 Undergraduate Program 2007
- Marie-Joseph Salles, Université Claude Bernard Lyon 1 Undergraduate Program 2006
- Sarah Triboulet, Université Claude Bernard Lyon 1 Undergraduate Program 2006

PROFESSIONAL SERVICE

National/International Peer Review Groups/Grant Study Sections

- Hevolution Foundation, Ad-hoc reviewer 2024
- Al Jalila Research Foundation, Ad-hoc reviewer 2023
- Lundbeck Foundation Fellowship Programme, Ad-hoc reviewer 2022
- The Hebrew University of Jerusalem, Ad-hoc reviewer 2022
- NIH T32 Training Program in Precision Genetics of Aging at JAX, Alzheimer's Disease and Related Dementias, Advisory Committee Member 2022-present
- NIH Cancer Molecular Pathobiology (CAMP) study section, Ad-hoc reviewer 2022
- Swiss National Science Foundation, Ad-hoc reviewer 2022
- NIH Cancer Molecular Pathobiology (CAMP) study section, Ad-hoc reviewer 2021
- Worldwide Cancer Research, Ad-hoc reviewer 2021
- MRC UKRI, Ad-hoc Reviewer 2021
- NIH T32 Training Program in Genomic Sciences at UConn/JAX-GM, Ad-hoc reviewer 2021
- NIH T32 Training Program in Precision Genetics of Aging at JAX, Alzheimer's Disease and Related Dementias, Ad-hoc reviewer 2021
- NIH Cancer Genetics (CG) study section, Ad-hoc reviewer 2020
- MRC UKRI, Ad-hoc Reviewer 2019
- Prostate Cancer UK, Ad-hoc Reviewer 2019
- Nanyang Technological University Singapore, Ad-hoc Reviewer 2019
- ERC Consolidator Grants, Ad-hoc Reviewer 2018
- Breast Cancer Now UK, Ad-hoc Reviewer 2018
- Breast Cancer Foundation NZ, Ad-hoc Reviewer 2018
- Faculty Promotion Committee, Université Pierre et Marie Curie, Paris, France, Ad-hoc Reviewer 2016

Institutional Service

- The Jackson Laboratory Cancer Center, Research Program Co-leader 2022-present
- The Jackson Laboratory Cancer Center, Leadership Program Member 2021-2022
- The Jackson Laboratory Aging Center, Member 2020-present
- The Jackson Laboratory Brand Council, Member 2020-present
- The Jackson Laboratory Microscopy Core Facility, Faculty Partner 2019-present
- The Jackson Laboratory Review Grant Committee, *Ad hoc* Peer Reviewer 2017-present
- The Jackson Laboratory Cancer Center, Member 2016-present
- The Jackson Laboratory Scientific Advisory Council (elected by faculty peers), Member 2019-2020
- UConn Health Genetics and Developmental Biology Graduate Program, Thesis Committee Member

Megan Calendar, PhD Candidate (Varn Lab)	2024-present
Sadik Sharma, PhD Candidate (Wang Lab)	2023-present
Olivia Durham, PhD Candidate (Murphy Lab)	2022-present
Omar Moustafa Fathy, PhD Candidate (Murphy Lab)	2022-present
Eishani Sokolowski, PhD Candidate (Ucar Lab)	2021-2024
Ryan Englander, MD/PhD Candidate (Banchereau Lab)	2020-present
Patience Mukashyaka, PhD Candidate (Chuang Lab)	2020-2023
Shane Lawson, PhD Candidate (Graveley Lab)	2018-2023
Alex Nesta, PhD Candidate (Beck Lab)	2018-2022
Nathan Leclair, MD/PhD Candidate (Anczukow Lab)	2018-2022
Menghan Du, PhD Candidate (Cheng Lab)	2019-2020
Laura Urbanski, MD/PhD Candidate (Anczukow Lab)	2017-2021
▪ UConn Health MD/PhD Graduate Program, Student Interviewer	2016-present
▪ UConn Health PhD Graduate Program, Student Interviewer	2016-present

Conference organization

▪ The Jackson Laboratory, <i>Long-read sequencing workshop</i> , Conference co-organizer	2024
▪ FASEB, <i>RNA Processing in Cancer: From Bench to Bedside</i> , Conference co-organizer	2023
▪ Forbeck Forum <i>Therapeutic Targeting of mRNA Splicing in Cancer</i> , Conference co-organizer	2023
▪ American Association for Cancer Research Annual Meeting, Educational Committee member	2023
▪ The Jackson Laboratory, <i>In vivo Models of Aging and Cancer</i> , Conference co-organizer	2022
▪ The Jackson Laboratory, <i>Aging and Cancer Workshop</i> , Conference co-organizer	2021
▪ The Jackson Laboratory, <i>Cancer Center Annual Retreat</i> , Conference co-organizer	2020
▪ Beth Israel Deaconess Medical Center and The Jackson Laboratory, <i>Designing the Patient-Derived Model Platform of the Future</i> Workshop, Conference co-organizer	2018
▪ The Jackson Laboratory, <i>Faculty Retreat</i> , Conference co-organizer	2017-2018
▪ The Jackson Laboratory and UConn Health, <i>RNA biology journal club</i> , Seminar organizer	2017-present

Advisory Services

▪ <i>Caeruleus Genomic</i> , Advisory Board Member	2024-present
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Scientific Community Service/Outreach

▪ <i>Terri Brodeur Breast Cancer Foundation</i> , Annual Meeting, Invited Speaker	2021
▪ <i>Terri Brodeur Breast Cancer Foundation</i> , Newsletter, Featured Awardee	2019
▪ UConn Health MD/PhD Graduate Program, Invited Keynote Speaker	2019
▪ <i>CT Junior Science and Humanities Symposium</i> , UConn Health, Invited Keynote Speaker	2019
▪ <i>Women in Science Mentorship Meeting</i> , The Jackson Laboratory, Invited Speaker	2019
▪ <i>Working in CT FOX61</i> , The Jackson Laboratory, Invited Speaker	2018
▪ <i>The Jimmy V Foundation Third Annual Celebration</i> , Hartford, CT, Invited speaker	2017
▪ <i>Beyond Genetics: Genomics in breast cancer, diagnosis, treatment and research</i> , The Jackson Laboratory and the Connecticut Breast Health Initiative Inc., Farmington, CT, Invited speaker	2017
▪ <i>The Jackson Laboratory Open House</i> , Farmington, CT, Invited speaker	2017
▪ <i>Connecticut Think Pink Event</i> , The Jackson Laboratory, Farmington, CT, Invited speaker	2017
▪ <i>Center of Excellence for Women in STEM</i> , Bay Path University, MA, Invited speaker	2016

Journal Reviews

- Manuscript reviewer for *Cell*, *Nature*, *Nature Comm.*, *Nature Struct.Mol. Biol.*, *PNAS*, *Cell Reports*, *Science Advances*, *JCI*, *Elife*, *RNA Journal*, *Genome Research*, *PLOS Genetics*, *Cancer Research*, *Aging*, *PLOS One*, *PLOS Biology*, *Oncotarget*, *Biomaterials*. 2008-present

PROFESSIONAL MEMBERSHIPS

American Association for Cancer Research, Aging and Cancer Task Force, Member	2023-present
Faculty Opinions (F1000 prime), Faculty Member	2021-present
Yale RNA Center, Faculty Member	2018-present
UConn Health Genetics and Developmental Biology Graduate Program, Faculty Member	2017-present
RNA Society, Member	2011-present
American Association for Cancer Research, Member	2009-present

INVITED LECTURES AND SELECTED TALKS

Vanderbilt-Ingram Cancer Center, Nashville, TN	2024
Boston University, Boston, MA	2024
Waxman Foundation - Aging and Cancer Symposium, New York, NY	2024
UPenn RNA Day, Philadelphia, PA	2024
New York Genome Center, New York, NY	2024
American Society for Biochemistry and Molecular Biology, San Antonio, TX	2024
Yale RNA Center, Yale, CT	2023
Forbeck Forum Therapeutic Targeting of mRNA Splicing in Cancer, Pacific Groves, CA	2023
Harvard University, Cambridge, MA	2023
CSHL Eukaryotic mRNA Processing – Invited Session Chair, Cold Spring Harbor, NY	2023
The Jackson Laboratory 2023 Cancer Course, Bar Harbor, ME	2023
American Association for Cancer Research Annual Meeting, Orlando, FL	2023
Pacbio Spotlight, American Association for Cancer Research Annual Meeting, Orlando, FL	2023
Weill Cornell Medicine, New York, NY	2023
Keystone Symposia Protein-RNA Interactions, Vancouver, Canada	2023
International Institute of Molecular and Cell Biology in Warsaw, Poland, Virtual	2023
The Jackson Laboratory and Hartford Healthcare Cancer Institute Disparities in Breast Cancer Symposium, Farmington, CT	2023
The Jackson Laboratory and Baylor College of Medicine Breast Center Symposium, Virtual	2022
The Jackson Laboratory 2022 Cancer Course, Farmington, CT	2022
RNA Isoform Landscape of Cancer PacBio Webinar, Virtual	2022
The Jackson Laboratory 2022 Long Read Sequencing Workshop, Farmington, CT	2022
RNA Biology Laboratory, National Cancer Institute-Frederick, Bethesda, MA	2021
26th Annual Meeting of the RNA Society, Singapore	2021
The Jackson Laboratory 2021 Cancer Course, Virtual	2021
4th International Caparica Conference in Splicing, Caparica, Portugal	2021

Institute for Systems Genomics, University of Connecticut, CT	2021
Splice Con 2021, 41st Steenbock Symposium, UW Madison, WI	2021
The Hebrew University of Jerusalem-Hadassah Medical School, Jerusalem, Israel	2021
Centre de Recherche CHU de Québec, Université Laval, Québec, QC, Canada	2021
Rosalind Franklin Centennial Symposium and Molecular and Cellular Sciences Seminar Series, Rosalind Franklin University of Medicine and Science, Chicago, IL	2021
Center for Molecular Biology and Biotechnology, Florida Atlantic University, FL	2021
UConn Health MD/PhD Research Club, Farmington, CT	2021
Tufts University School of Medicine, Boston, MA	2020
6th RNA Biology Symposium, Singapore, Singapore	2020
The Jackson Laboratory 2020 Cancer Course, Virtual	2020
Eppley Institute for Research in Cancer, University of Nebraska Medical Center, Omaha, NE	2020
University of Connecticut School of Medicine, Farmington, CT	2020
University of Connecticut, Storrs, CT	2019
Bermuda Principles Conference Impact on RNA Processing & Disease, Bermuda	2019
The Jackson Laboratory 2019 Cancer Course, Bar Harbor, ME	2019
Mercy Hospital, Portland, ME	2019
25th Annual Meeting of the RNA Society, Krakow, Poland	2019
University of Florida, Gainesville, FL,	2018
Yale RNA Center, Yale, CT	2018
4th Annual RNA center retreat, Albany, NY	2018
The Jackson Laboratory 2018 Cancer Course, Bar Harbor, ME	2018
UConn Health, Genetics and Developmental Biology Department, Farmington, CT	2018
Hartford Hospital, Sullivan Symposium, Hartford, CT	2018
The Jackson Laboratory 2017 Cancer Course, Bar Harbor, ME	2017
22nd Annual Meeting of the RNA Society, Prague, Czech Republic	2017
Hallmarks of cancer: Focus on RNA international symposium, Prague, Czech Republic	2017
Beth Israel Deaconess Medical Center, Boston, MA	2017
UConn Health Carole and Ray Neag Comprehensive Cancer Center, Farmington, CT	2017
Post-Transcriptional Gene Regulation Gordon Research Conference, Stowe, VT	2016
The Jackson Laboratory Cancer Center, Portland, ME	2016
Inselspital, Universitätsspital Bern, Bern, Switzerland	2016
Cancer Research UK Institute, Cambridge, UK	2016
The Wistar Institute, Philadelphia, PA	2016
The Jackson Laboratory for Genomic Medicine, Farmington, CT	2016
The Lerner Research Institute at Cleveland Clinic, Cleveland, OH	2016
University of Rochester Center for RNA Biology, Rochester, NY	2016
CSHL Eukaryotic mRNA Processing, Cold Spring Harbor Laboratory, NY	2015
20th Annual Meeting of the RNA Society, Madison, WI	2015
Biology of Cancer: Microenvironment, Metastasis & Therapeutics, Cold Spring Harbor Laboratory, NY	2015
Memorial Sloan Kettering Cancer Center, New York, NY	2015
Columbia University, New York, NY	2015
Cambridge University, Cambridge, UK	2015

Duke-NUS Medical School, Singapore	2015
Stony Brook Medicine, Stony Brook, NY	2015
Massachusetts General Hospital, Charleston, MA	2015
School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA	2015
CSHL RNA Biology, Cold Spring Harbor Laboratory Asia, Suzhou, China	2014
Capital Medical University, Beijing, China	2014
19th Annual Meeting of the RNA Society, Québec, Canada	2014
Cold Spring Harbor Laboratory, NY	2014
CSHL Cancer Mechanisms and Therapeutics, Cold Spring Harbor Laboratory, NY	2013
16th Annual Meeting of the RNA Society, Kyoto, Japan	2011
AACR 101st Annual Meeting, Washington DC	2010
Human and Medical Genetics Society annual meeting, Montpellier, France	2006

PUBLICATIONS

Peer-reviewed publications

1. **Anczuków O[#]**, Allain F, Angarola BL, Black B, Brooks A, Cheng C, Conesa A, Crosse E, Guccione E, Lu SX, Neugebauer KM, Sehgal P, Song X, Tothova Z, Valcárcel J, Eyraas E, Weeks KM, Yeo GW, Thomas-Tikhonenko A[#] (2024). Steering research on mRNA splicing in cancer towards clinical translation. *Nat Rev Cancer*. doi :10.1038/s41568-024-00750-2. PMID: 39384951. **#Corresponding author.**
2. Angarola BL*, Sharma S*, Katiyar N, Kang HG, Nehar-Belaid D, Park S, Gott R, Eryilmaz GN, LaBarge M, Palucka K, Chuang JH, Korstanje R, Ucar D[#], **Anczuków O[#]** (2024). Comprehensive single cell aging atlas of mammary tissues reveals shared epigenomic and transcriptomic signatures of aging and cancer. *Nature Aging*, in press. *equal contribution. **#Corresponding author.**
3. Karlebach G, Steinhaus R, Danis D, Devoucoux M, **Anczuków O**, Sheynkman G, Seelow D, Robinson PN. (2024). Alternative splicing is coupled to gene expression in a subset of variably expressed genes. *npj Genomic Medicine*, Nov 4;9:54. [PMCID11535429](https://pubmed.ncbi.nlm.nih.gov/39265028/).
4. Rubinstein JC*, Domanskyi S*, Sheridan TB, Sanderson BJ, Park S, Kaster J, Li H, **Anczukow O**, Herlyn M, Chuang JH (2024). Spatiotemporal profiling defines persist and resistance signatures in targeted treatment of melanoma. *Cancer Research*, in press.
5. Karginov TA, Ménoret A, Leclair NK, Chandiran K, Suarez-Ramirez JE, Karlinsey K, O'Neill RJ, Murphy PA, Adler AJ, Cauley LS, **Anczuków O**, Zhou B, Vella AT (2024). Autoregulated splicing of TRA2β programs T cell fate in response to antigen-receptor stimulation. *Science*, 385(6714):eadj1979. PMID: 39265028.
6. Leclair NK, Chen WC, Zakimi Naomi, Choudhury A, Magill S, Shen E, Bulsara KR, Raleigh D[#], **Anczuków O[#]** (2024). RNA splicing as a biomarker and phenotypic driver of meningioma DNA methylation groups. *Neuro-oncology*, Aug 2;noae150. doi: 10.1093/neuonc/noae150. PMID: 39093629. **#Corresponding author.**

 Commentary in Tosefsky K, Yip S. Splice of Life: How RNA is Rewriting the Meningioma Story (2024). *Neuro Oncol*. Sep 17;noae194. doi: 10.1093/neuonc/noae194. PMID: 39288142.

 Neuro-Oncology Podcast: Alterations in RNA splicing between meningioma DNA methylation groups <http://soc-neuro-onc.libsyn.com/alterations-in-rna-splicing-between-meningioma-dna-methylation-groups>
7. Leclair NK, Chen WC, Zakimi Naomi, Raleigh D[#], **Anczuków O[#]** (2024). The RNA-binding protein IGF2BP1 regulates stability of mRNA transcribed from FOXM1 target genes in hypermitotic meningiomas. *Acta Neuropathologica*, 148(1):28. [PMCID11343784](https://pubmed.ncbi.nlm.nih.gov/39265028/). **#Corresponding author.**

8. Nesta A, Veiga DFT, Banchereau J, Anczukow O, Beck CR (2024). Alternative splicing of transposable elements in human breast cancer. *bioRxiv*. doi: 10.1101/2024.09.26.615242. [PMC11463404](#).
9. Mukashyaka P, Kumar P, Mellert DJ, Nicholas S, Noorbakhsh J, Brugiolo M, **Anczukow O**, Liu ET, Chuang JH (2023). High-throughput deconvolution of 3D organoid dynamics at cellular resolution for cancer pharmacology with Cellos. *Nat Commun*, 14(1):8406. [PMC10730814](#).
10. **Anczuków O**[#], Airhart S, Chuang JH, Coussens LM, Kuchel GA, Korstanje R, Li S, Lucido AL, McAllister SS, Politi K, Polyak K, Ratliff T, Ren G, Trowbridge JJ, Ucar D, Palucka K[#] (2023). Challenges and opportunities for modeling aging and cancer. *Cancer Cell*, 41(4):641-645. [PMC10185379](#). **#Corresponding author**.
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