

OLGA ANCZUKÓW, Ph.D.

Associate Professor
 The Jackson Laboratory for Genomic Medicine,
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RESEARCH INTERESTS

My lab focuses on understanding alternative RNA splicing, investigating how errors in this process can lead to cancer and rare diseases, and developing strategies to correct these mistakes. My research goals are to define how rewiring of the splicing program contributes to tumor initiation, progression, and drug response, what triggers alterations in the splicing machinery in tumors, and ultimately to translate this knowledge to develop innovative RNA-targeted therapeutics. My lab uses patient-derived models and cutting-edge technologies, including long-read RNA-sequencing, single cell and spatial transcriptomics, to identify oncogenic splicing factors and their targets, as well as upstream pathways that regulate splicing in healthy aging and in disease. My unique expertise in both RNA biology, aging 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**CDMRP Neurofibromatosis Research Program, NF240097**

08/01/2025–31/07/2028

PI: Anczukow-Camarda, O., Vasudevan, H. (Multi-PI)

*Mapping the RNA Splicing Landscape of NF1 and Its Impact on Neurofibromin Function Across Tissues***NIH/NCI, P30 CA034196**

07/01/2025–06/30/2030

PI: Palucka, K. (Co-investigator Anczuków, O.)

*Cancer Center Support Grant***NIH/NIA, R33 AG080243**

06/01/2025–05/31/2028

PI: Anczukow-Camarda, O., Chuang, J. (Multi-PI)

*Building a spatial transcriptomics infrastructure for isoform profiling in aging pre-neoplastic tissues***NIH/NCI, R01 CA277495**

05/01/2024–04/30/2029

PI: Lewis, R (Co-investigator Anczuków, O.)

*Regulation of RBP function during EMT***NIH/AI, U19 AI142733-06**

03/21/2024–02/28/2029

PI: Palucka AK (Co-investigator Anczuków, O.)

*Modulation of Lung Immune Responses to Viral Infection***Hevolution Foundation, R21/R33 AGE-002**

01/15/2023–08/14/2028

PI: Anczukow-Camarda, O. Chuang, J. (Multi-PI)

*Building a spatial transcriptomics infrastructure for isoform profiling in aging epithelial tissues***NIH/NIAMS, P50 AR070594**

09/01/2022–05/31/2027

PI: Pascual, V. (Co-investigator Anczuków, O.)

*Center for Lupus Research - Center for Lupus Research - Project 2***Completed Research Support****NIH/NCI, R01 CA248317**

02/09/2021–01/31/2026

PI: Anczuków-Camarda, O.

*MYC-regulated RNA Binding Protein Networks and Spliced Isoforms Driving Cancer***NIH/NIGMS, R01 GM138541**

07/01/2020–09/01/2025

PI: Anczuków-Camarda, O.

*Mechanisms of post-transcriptional regulation of splicing factors***NIH/NIA, R21 AG080243**

09/01/2023–11/31/2025

PI: Anczukow-Camarda, O., Chuang, J. (Multi-PI)

*Building a spatial transcriptomics infrastructure for isoform profiling in aging pre-neoplastic tissues***Hevolution Foundation, R21 AGE-002**

01/15/2023–08/14/2025

PI: Anczukow-Camarda, O. Chuang, J. (Multi-PI)

Building a spatial transcriptomics infrastructure for isoform profiling in aging epithelial tissues

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

Measuring Transcriptome-wide Changes in Alternative Splicing in Cancer

Susan G. Komen for the Cure Foundation, KG091029

06/04/2009–06/03/2012

PI: Anczukow-Camarda, O. and Krainer A.R.

Role of Alternative Splicing in Epithelial Cell Transformation

French Foundation for Medical Research, SPE20070709581

01/01/2008–12/31/2008

PI: Anczukow-Camarda, O.

Role of Alternative Splicing Factors in Initiation and Progression of Human Breast Cancer

Cancer Research Foundation ‘Ligue Contre le Cancer’

09/01/2006-31/12/2006

PI: Anczuków, O.

Molecular consequences of mutations in breast cancer predisposing genes

Cancer Research Foundation ‘Ligue Contre le Cancer de Saône-et-Loire’

09/01/2004-08/31/2006

PI: Anczuków, O.

Molecular consequences of mutations in breast cancer predisposing genes

HONORS & AWARDS

AACR , Annual Meeting, Invited Chair Major Symposium,	2026
AACR , Annual Meeting, Stress and Other Risk Factors in Aging and Cancer: An AACR Innovation Summit, Invited Moderator	2025
AACR , Annual Meeting, Invited Chair Major Symposium,	2023
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
Breast Cancer Award, The Jackson Laboratory Cancer Center
- Maeva Devoucoux, PhD, The Jackson Laboratory 2022-present
Brooks Scholar Award, The Jackson Laboratory Cancer Center
- Brittany Angola, PhD, The Jackson Laboratory 2019-2023
Brooks Scholar Award, The Jackson Laboratory Cancer Center
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

- Marcell Szabo, University of Connecticut Health Center MD/PhD Graduate Program 2025-present
- Isha Walawalkar, University of Connecticut Health Center MD/PhD Graduate Program 2024-present
NIH/NCI F30 Award
T32 UConn/JAX-GM Training Program in Genomic Science
Poster Award at the Yale RNA Center Annual Retreat 2025
- Holland Driscoll, University of Connecticut Institute for System Genomics PhD Graduate Program 2023-present
- Ryan Englander (co-mentored with Banchemereau and Palucka), University of Connecticut Health Center MD/PhD Graduate Program 2021-2025
NIH/NCI F30 Award
T32 Training Program Precision Genetics of Aging, Alzheimer’s Disease and Related Dementias
FASEB Conference Award
- 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 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 <i>Semi-finalist of the Intel Science Talent Search</i>	2012-2013
▪ 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

Thesis Committee Member

▪ Mohammad Toufiq, PhD Candidate (Palucka Lab, The Jackson Laboratory)	2026-present
▪ Marcel Szabo, MD/PhD Candidate (Anczukow Lab, The Jackson Laboratory)	2025-present
▪ Kaitlin Girardini, PhD Candidate (Kanadia Lab, University of Connecticut)	2025
▪ Patrick Dischinger, PhD Candidate, (Steensma Lab, Van Andel Institute)	2025
▪ Hannah MacMillan, PhD Candidate, (Pai Lab, RNA Therapeutics Institute)	2024
▪ Megan Calendar, MD/PhD Candidate (Varn Lab, The Jackson Laboratory)	2024-present
▪ Isha Walawalkar, MD/PhD Candidate (Anczukow Lab, The Jackson Laboratory)	2024-present
▪ Holland Driscoll, PhD Candidate (Anczukow Lab, The Jackson Laboratory)	2023-present
▪ Sadik Sharma, MD/PhD Candidate (Wang Lab, The Jackson Laboratory)	2023-present
▪ Olivia Durham, PhD Candidate (Murphy Lab, UConn Health)	2022-present
▪ Omar Moustafa Fathy, MD/PhD Candidate (Murphy Lab)	2022-2025
▪ Ryan Englander, MD/PhD Candidate (Anczukow Lab, The Jackson Laboratory)	2021-2025
▪ Eishani Sokolowski, PhD Candidate (Ucar Lab, The Jackson Laboratory)	2021-2024
▪ Patience Mukashyaka, PhD Candidate (Chuang Lab, The Jackson Laboratory)	2020-2023
▪ Shane Lawson, PhD Candidate (Graveley Lab, UConn Health)	2018-2023
▪ Menghan Du, PhD Candidate (Cheng Lab, The Jackson Laboratory)	2019-2020
▪ Alex Nesta, PhD Candidate (Beck Lab, The Jackson Laboratory)	2018-2022

- Nathan Leclair, MD/PhD Candidate (Anczukow Lab, The Jackson Laboratory) 2018-2022
- Laura Urbanski, MD/PhD Candidate (Anczukow Lab, The Jackson Laboratory) 2017-2021

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 Grants, Ad-hoc Reviewer 2018-2025
- Breast Cancer Now UK, Ad-hoc Reviewer 2018
- Breast Cancer Foundation NZ, Ad-hoc Reviewer 2018

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 2020-2021
- 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 Immunology Biology Graduate Program, Thesis Committee Member 2021-present
- UConn Health Genetics and Developmental Biology Graduate Program, Thesis Committee Member 2019-present
- UConn Health MD/PhD Graduate Program, Student Interviewer 2016-present
- UConn Health PhD Graduate Program, Student Interviewer 2016-present

Conference organization

- The Jackson Laboratory, *Long-read sequencing workshop*, Conference co-organizer 2026
- The Mark Foundation for Cancer Research, Samuel Waxman Cancer Research Foundation, and Jackson Laboratory, *Aging and Cancer Workshop*, Conference co-organizer 2025
- The Jackson Laboratory, *Long-read sequencing workshop*, Conference co-organizer 2024
- FASEB, *RNA Processing in Cancer: From Bench to Bedside*, Conference co-organizer 2023
- Forbeck Forum *Therapeutic Targeting of mRNA Splicing in Cancer*, Conference co-organizer 2023
- American Association for Cancer Research Annual Meeting, Educational Committee member 2023
- The Jackson Laboratory, *In vivo Models of Aging and Cancer*, Conference co-organizer 2022
- The Jackson Laboratory, *Aging and Cancer Workshop*, Conference co-organizer 2021
- The Jackson Laboratory, *Cancer Center Annual Retreat*, Conference co-organizer 2020
- Beth Israel Deaconess Medical Center and The Jackson Laboratory, *Designing the Patient-Derived Model Platform of the Future Workshop*, Conference co-organizer 2018
- The Jackson Laboratory, *Faculty Retreat*, Conference co-organizer 2017-2018
- The Jackson Laboratory and UConn Health, *RNA biology journal club*, Seminar organizer 2017-present

Advisory Services

- *Akari Therapeutics*, Advisory Board Member 2025-present
- *NeoSpliceTx*, Advisory Board Member 2025-present
- *EntelioBio (formerly Caeruleus Genomic)*, Advisory Board Member 2024-present

Scientific Community Service/Outreach

- The Scientist Webinar, Invited Speaker 2025
- *Terri Brodeur Breast Cancer Foundation*, Annual Meeting, Invited Speaker 2021
- *Terri Brodeur Breast Cancer Foundation*, Newsletter, Featured Awardee 2019
- UConn Health MD/PhD Graduate Program, Invited Keynote Speaker 2019
- *CT Junior Science and Humanities Symposium*, UConn Health, Invited Keynote Speaker 2019
- *Women in Science Mentorship Meeting*, The Jackson Laboratory, Invited Speaker 2019
- *Working in CT FOX61*, The Jackson Laboratory, Invited Speaker 2018
- *The Jimmy V Foundation Third Annual Celebration*, Hartford, CT, Invited speaker 2017
- *Beyond Genetics: Genomics in breast cancer, diagnosis, treatment and research*, The Jackson Laboratory and the Connecticut Breast Health Initiative Inc., Farmington, CT, Invited speaker 2017
- *The Jackson Laboratory Open House*, Farmington, CT, Invited speaker 2017
- *Connecticut Think Pink Event*, The Jackson Laboratory, Farmington, CT, Invited speaker 2017
- *Center of Excellence for Women in STEM*, Bay Path University, MA, Invited speaker 2016

Journal Reviews

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

PROFESSIONAL MEMBERSHIPS

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- AACR, Aging and Cancer Task Force*, Member 2023-present
 - Faculty Opinions (F1000 prime)*, Faculty Member 2021-present
 - Yale RNA Center*, Faculty Member 2018-present

<i>UConn Health Genetics and Developmental Biology Graduate Program, Faculty Member</i>	2017-present
<i>RNA Society, Member</i>	2011-present
<i>American Association for Cancer Research, Member</i>	2009-present

INVITED LECTURES AND SELECTED TALKS

- Distinguished Lectures in Cancer Research Seminar Series, Wistar Institute, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia, PA 2026
- Distinguished Seminar Series, Department of Genetics at the Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA 2026
- 7th International Conference on Aging and Cancer, Targeting common drivers of aging and cancer, International Center for Aging and Cancer, Haikou, China 2025
- Stress and Other Risk Factors in Aging and Cancer: An AACR Innovation Summit, Pasadena, CA 2025
- Stress and Other Risk Factors in Aging and Cancer: An AACR Innovation Summit, Pasadena, CA – Invited Session Chair 2025
- The Oligo Therapeutic Society, 2025 Annual Meeting, Budapest, Hungary 2025
- The MCFR, SWCRF, and JAX Aging and Cancer Workshop, Farmington, CT 2025
- Dana Faber Cancer Institute, Seminars in Oncology Series, Boston, MA 2025
- The Ohio State University, Molecular Life Science Seminar Series, Columbus, OH 2025
- CSHL Eukaryotic mRNA Processing Meeting, Cold Spring Harbor, NY 2025
- Gordon Research Conference Synthetic Lethality Approaches in Oncology, Portland, ME 2025
- University of Montreal, Montreal, Canada 2025
- Computational Medicine Program, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill, NC 2025
- Broad Institute, Workshop on Splicing Factor Mutations and RNA Biology in Cancer, Cambridge, MA 2025
- Fred & Pamela Buffett Cancer Center, University of Nebraska Medical Center, Omaha, NE 2025
- 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 Annual Meeting, San Antonio, TX 2024
- Yale RNA Center, Annual Retreat, 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 Meeting– 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
- Annual Meeting of the RNA Society, Singapore 2021
- The Jackson Laboratory 2021 Cancer Course, Virtual 2021
- 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
- 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
- Annual Meeting of the RNA Society, Krakow, Poland 2019
- University of Florida, Gainesville, FL, 2018
- Yale RNA Center, Yale, CT 2018
- 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
- 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 Meeting, Cold Spring Harbor Laboratory, NY 2015
- Annual Meeting of the RNA Society, Madison, WI 2015
- CSHL Biology of Cancer: Microenvironment, Metastasis & Therapeutics Meeting, 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, Boston, MA 2015
- University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA 2015
- CSHL RNA Biology Meeting, Cold Spring Harbor Laboratory Asia, Suzhou, China 2014
- Capital Medical University, Beijing, China 2014
- Annual Meeting of the RNA Society, Québec, Canada 2014
- Cold Spring Harbor Laboratory, NY 2014
- CSHL Cancer Mechanisms and Therapeutics Meeting, Cold Spring Harbor Laboratory, NY 2013
- Annual Meeting of the RNA Society, Kyoto, Japan 2011
- American Association for Cancer Research Annual Meeting, Washington DC 2010
- Human and Medical Genetics Society Annual Meeting, Montpellier, France 2006

PUBLICATIONS

Peer-reviewed publications

1. Horvath M, Kang HG, Wu T, Aiken E, Castaneda DC, Akkurt S, Marches F, **Anczuków O**, Palucka K, Oh J (2025). Host-specific bacterial modulation of airway gene expression and alternative splicing. *mSphere*, e00577-25. [PMID: 41165334](#).
2. Leclair NK, Brugiolo M, Park S, Devoucoux M, Urbanski L, Angarola BL, Yurieva M, **Anczuków O**[#] (2025). Antisense oligonucleotide-mediated TRA2 β poison exon inclusion induces the expression of a lncRNA with anti-tumor effect. *Nature Communication*, 16(1):1670. [PMC11829967](#). **#Corresponding author**.
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