

OLGA ANCZUKÓW, Ph.D.

Assistant Professor

The Jackson Laboratory for Genomic Medicine

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Lab website: <https://www.jax.org/research-and-faculty/research-labs/the-anczukow-lab>**RESEARCH INTERESTS**

My research is aimed at understanding how misregulation of alternative RNA splicing contributes to cancer and developing novel therapeutic strategies to target splicing regulators and their targets. My laboratory is using patient-derived models and RNA-sequencing to identify oncogenic splicing factors and their targets that drive tumor initiation, metastasis, and drug resistance. My unique expertise in both RNA biology and cancer research allows me to connect these fields, and by combining innovative tools and interdisciplinary approaches, has the potential to identify novel biomarkers and personalized drugs for cancer therapies.

ACADEMIC APPOINTMENTS

Assistant Professor

The Jackson Laboratory for Genomic Medicine, CT, USA

2016-present

Affiliated Assistant Professor

Department of Genetics and Genome Sciences, University of Connecticut School of Medicine

2016-present

Investigator

Institute for Systems Genomics, University of Connecticut

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

CURRENT RESEARCH SUPPORT

NIH/NCI, R01 CA248317 PI: Anczukow-Camarda, O. <i>MYC-regulated RNA Binding Protein Networks and Spliced Isoforms Driving Cancer</i>	02/09/2021 -01/31/2026
NIH/NIGMS, R01 GM138541 PI: Anczuków-Camarda, O. <i>Mechanisms of post-transcriptional regulation of splicing factors</i>	07/01/2020-04/30/2025
JAX Cancer Center Pilot Award, P30 CA034196 PI: Anczuków, O. and Ucar, D. <i>Age-related changes in transcriptional regulatory programs of mammary gland cells as a risk factor for breast cancer</i>	11/01/2020–10/31/2021
Sanofi US Services, SANOFI-SRA-FY19-JFB 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>	01/02/2019-07/30/2021
NIH/NCI, R01 CA230031 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>	06/05/2018–05/31/2023

PENDING RESEARCH SUPPORT

NIH/NCI/NIA, U01 CA267030 PI: Anczuków-Camarda, O. and Ucar, D. <i>Age-associated epigenetic and alternative RNA splicing alterations in breast cancer initiation</i>	12/01/2021–11/30/2026
NIH/NCI, R01 GM143446 PI: Lewis, R. (Co-investigator Anczuków, O.) <i>Regulation of RNP function during EMT</i>	07/01/2021–06/30/2026

COMPLETED RESEARCH SUPPORT

JAX Cancer Center FF Award, P30 CA034196 PI: Anczuków, O. and Ucar, D. <i>Splicing alterations during aging and breast cancer</i>	11/16/2020–12/31/2020
V Foundation, V2018-018 PI: Anczuków, O. <i>Uncovering Genomic Alterations in the Breast, Paving the Road to Early Cancer Detection and Prevention</i>	10/01/2018–09/30/2020
JAX-Purdue Pilot Award, DIF-FY18-OAC PI: Anczuków, O. and Solorio, L. <i>The role of extracellular matrix driven splice variants in drug resistance and metastasis</i>	01/01/2018–08/31/2019
NIH/NCI, R00 CA178206 PI: Anczuków-Camarda, O. <i>Role of Splicing Factors in Breast Cancer</i>	07/01/2016–06/30/2019
JAX Cancer Center Pilot Award, P30 CA034196 PI: Anczuków, O. <i>Developing models and tools to dissect the role of splicing factor TRA2β in epithelial tumors</i>	03/01/2018–06/30/2019
NIH/NCI, K99 CA178206 PI: Anczuków-Camarda, O. <i>Role of Splicing Factors in Breast Cancer</i>	09/01/2013–06/31/2016

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

HONORS & AWARDS

V Foundation, V Scholar,	2018-2020
NIH/NCI, Career Transition Award, ‘Pathway to Independence’ R00	2016-2019
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
NIH /NCI, Career Transition Award, ‘Pathway to Independence’ K99	2013-2016
Terri Brodeur Breast Cancer Foundation, Postdoctoral Fellowship Award	2013-2014
AAACR, Advances in Breast Cancer Research Conference, Scholar-in-Training Award	2011
AAACR, 101st Annual Meeting, Scholar-in-Training Award	2010
AAACR, 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, 2017-present
The Jackson Laboratory, Bar Harbor, ME

Postdoctoral advisor

- Brittany Angola, PhD, The Jackson Laboratory 2019-present
Awarded T32 Training Program in Precision Genetics of Aging, Alzheimer’s Disease and Related Dementias

Thesis advisor

- Laura Urbanski, University of Connecticut Health Center MD/PhD Graduate Program 2017-present
Awarded poster prize at the Jackson Laboratory Annual Symposium
Awarded poster prize at the UConn Genetics and Developmental Biology Annual Retreat

- Nathan Leclair, University of Connecticut Health Center MD/PhD Graduate Program 2018-present
Awarded poster prize at the UConn Institute for Systems Genomics Symposium
Awarded poster prize at the UConn Genetics and Developmental Biology Annual Retreat

Graduate student rotation mentor

- 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

- NIH Cancer Genetics (CG) study section, Ad-hoc reviewer 2020
- MRC UK, Peer Reviewer 2019
- Prostate Cancer UK, Peer Reviewer 2019
- Nanyang Technological University Singapore, Peer Reviewer 2019
- ERC Consolidator Grants, Peer Reviewer 2018
- Breast Cancer Now UK, Peer Reviewer 2018
- Breast Cancer Foundation NZ, Peer Reviewer 2018
- Faculty Promotion Committee, Université Pierre et Marie Curie, Paris, France, Peer Reviewer 2016

Institutional Service

- The Jackson Laboratory Cancer Center Annual Retreat, Co-organizer 2020
- 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 Scientific Advisory Council (elected by faculty peers), Member 2019-2020
- UConn Health MD/PhD Graduate Program, Invited Keynote Speaker 2019
- *Designing the Patient-Derived Model Platform of the Future*, JAX/BIDMC Joint Workshop, Conference co-organizer 2018
- The Jackson Laboratory Faculty Retreat, Co-Organizer 2017-2018
- UConn Health Genetics and Developmental Biology Graduate Program, Thesis Committee Member
Laura Urbanski, MD/PhD Candidate 2017-present

Nathan Leclair, MD/PhD Candidate	2018-present
Alex Nesta, PhD Candidate	2018-present
Shane Lawson, PhD Candidate	2018-present
Patience Mukashyaka, PhD Candidate	2020-present
Ryan Englander, MD/PhD Candidate	2020-present
Eishani Sokolowski, PhD Candidate	2021-present
▪ UConn Health MD/PhD Graduate Program, Student Interviewer	2016-present
▪ UConn Health PhD Graduate Program, Student Interviewer	2016-present

Scientific Community Service/Outreach

▪ <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
▪ <i>Career Development Workshop</i> , Cold Spring Harbor Laboratory, NY, Invited speaker	2014
▪ <i>Grant Writing Workshop</i> , Cold Spring Harbor Laboratory, NY, Invited speaker	2013

Journal Reviews

▪ Manuscript reviewer for <i>Nature Comm.</i> , <i>Nature Struct.Mol. Biol.</i> , <i>RNA Journal</i> , <i>Cell</i> , <i>PNAS</i> , <i>PLOS Biology</i> , <i>Genome Research</i> , <i>PLOS Genetics</i> , <i>Cancer Research</i> , <i>Aging</i> , <i>PLOS One</i> , <i>JCI</i> , <i>Elife</i> , <i>PLOS Biology</i> , <i>Oncotarget</i> , <i>Biomaterials</i> .	2008-present
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PROFESSIONAL MEMBERSHIPS

Yale RNA Center, Faculty Member	2018-present
UConn Health Genetics and Developmental Biology Graduate Program, Faculty Member	2017-present
American Association for Cancer Research, Member	2009-present
RNA Society, Member	2011-present

INVITED AND SELECTED TALKS

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
Tufts University School of Medicine, Boston, MA	2020
6th RNA Biology Symposium, Singapore, Singapore	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
Mercy Hospital, Portland, ME	2019
25nd 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
UConn Health, Genetics and Developmental Biology Department, Farmington, CT	2018
Hartford Hospital, Sullivan Symposium, Hartford, CT	2018
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
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
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

Manuscripts submitted or in preparation

1. Veiga DFT*, Nesta A*, Zhao Z, Deslattes May A, Huynh R, Rossi R, Wu TC, Palucka K, **Anczukow O**[#], Beck CR[#] and Banchereau J[#] (2020). Long-read isoform sequencing reveals survival-associated splicing in breast cancer. bioRxiv. *In revision**equal contribution, [#]**Corresponding author**.

2. Jun Y*, Suh YS*, Park S, Kim JI, Lee S, Lee WP#, **Anczuków O**#, Yang HK#, Lee C#. Splicing-based classifier for gastric cancer identifies epithelial-mesenchymal transition subtypes associated with survival. *Submitted*. *equal contribution, #**Corresponding author**.
3. Miyano M*, Sayaman RW*, Shalabi S, Senapati P, Lopez JC, Hinz S, Zirbes A, Angarola BL, **Anczukow O**, Yee LD, Sedrak M, Stampfer MR, Seewaldt VE, LaBarge MA. Breast specific molecular clocks comprised of *ELF5* expression and promoter methylation identify individuals susceptible to cancer initiation. *Submitted*.
4. Karlebach G, Veiga DFT, Deslattes Mays A, Kesarwani AK, Danis D, Kararigas G, Zhang XA, George J, Ananda G, Steinhaus R, Hansen P, Seelow D, Bizon C, Boyles R, Ball C, McMurry JA, Haendel MA, Yang J, Oprea T, Mukerji M, **Anczuków O**, Banchereau J, Robinson PN. The impact of sex on alternative splicing. *Submitted*.
5. Urbanski L, Angarola BL, Park S, Brugiolo M, Leclair N, **Anczuków O**#. The MYC oncogene regulates a pan-cancer network of RNA binding proteins that cooperate in transformation. *In preparation*. #**Corresponding author**.
6. Angarola BL*, Katiyar N*, Gott R, Korstnaje R, Ucar D#, **Anczuków O**#. Aging-driven remodeling of the transcriptomic and epigenetic landscape in mammary cells. *In preparation*. *equal contribution. #**Corresponding author**.
7. Angarola BL, Miyano M, Sayaman RW, Gott R, Korstnaje R, LaBarge MA#, **Anczuków O**#. Splicing alterations in mammary cells during aging and cancer. *In preparation*. #**Corresponding author**.

Peer-reviewed publications since 2016

8. Angarola B, **Anczuków O**# (2021) Splicing alterations in healthy aging and disease. *WIREs RNA*. doi:10.1002/wrna.1643. PMID: [33565261](https://pubmed.ncbi.nlm.nih.gov/33565261/). #**Corresponding author**.
9. Leclair N, Brugiolo M, Urbanski L, Lawson S, Thakar K, Yurieva M, George J, Hinson JT, Cheng A, Graveley BR, **Anczuków O**# (2020). Poison exon splicing regulates a coordinated network of SR protein expression during differentiation and tumorigenesis. *Molecular Cell*, 80(4):648-665.e9. [PMC7680420](https://pubmed.ncbi.nlm.nih.gov/32660516/) #**Corresponding author**.
10. Karlebach G, Hansen P, Veiga DFT, Steinhaus R, Danis D, Li S, **Anczuków O**, Robinson PN (2020). HBA-DEALS: accurate and simultaneous identification of differential expression and splicing using hierarchical Bayesian analysis. *Genome Biol*, 21, 171. PMID: [32660516](https://pubmed.ncbi.nlm.nih.gov/32660516/)
11. Sinnakannu JR, Kian Lee L, Cheng S, Li J, Yu M, Tan SP, Ong CCH, Li H, **Anczuków O**, Krainer ARK, Roca X, Rozen SG, Iqbal J, Yang H, Chuah C, S Ong ST (2020). SRSF1 mediates cytokine-induced tyrosine kinase inhibitor-resistance in chronic myeloid leukemia. *Leukemia*, Jul;34:1787-1798. PMID: [32051529](https://pubmed.ncbi.nlm.nih.gov/32051529/)
12. Park S*, Brugiolo M*, Akerman M*, Das S*, Urbanski L, Geier A, Kesarwani AK, Fan M, Leclair N, Lin KT, Hua L, Hu I, George J, Muthuswamy SK, Krainer AR#, **Anczukow O**# (2019). Differential functions of splicing factors in mammary transformation and breast cancer metastasis. *Cell Reports*, 29(9), 2672-2688.e7. [PMC6936330](https://pubmed.ncbi.nlm.nih.gov/32051529/). *equal contribution. #**Corresponding author**.
13. Urbanski L, Leclair N, **Anczuków O**# (2018). Alternative-splicing defects in cancer: splicing regulators and their downstream targets, guiding the way to novel cancer therapeutics. *Wires RNA*, 9(4):e1476. PMID: [29693319](https://pubmed.ncbi.nlm.nih.gov/29693319/). #**Corresponding author**. Recommended in F1000prime.

Peer-reviewed publications prior 2016

14. **Anczuków O** and Krainer AR (2016). Splicing-factor alterations in cancers. *RNA*, 22:1285-301. [PM27530828](https://pubmed.ncbi.nlm.nih.gov/27530828/).
15. **Anczuków O** and Krainer AR (2015). The spliceosome, a potential Achilles heel of MYC-driven tumors. (2015) *Genome Medicine*, 7:107. [PM4618744](https://pubmed.ncbi.nlm.nih.gov/27530828/).

16. **Anczuków O***, Akerman M*, Cléry A, Wu J, Shen C, Shirole HN, Raimer A, Sun S, Jensen MA, Hua Y, Allain FHT, Krainer AR (2015). SRSF1-regulated alternative splicing in breast cancer. *Molecular Cell*, 60(1), 105-117. [PMC4597910](#). *equal contribution.
17. Cléry A, Sinha R, **Anczuków O**, Corrionero A, Moursy A, Daubner G, Valcárcel J, Krainer AR, Allain F (2013). Isolated pseudo-RNA-recognition motifs of SR proteins can regulate splicing using a noncanonical mode of RNA recognition. *PNAS*, 110:E2802-11. [PMC3725064](#).
18. Wu J, **Anczuków O**, Krainer AR, Zhang MQ, Zhang C (2013). OLego: Fast and sensitive mapping of spliced mRNA-Seq reads using small seeds. *Nucleic Acid Research*, 41:5149-5163. [PMC3664805](#).
19. **Anczuków O**, Rosenberg AZ, Akerman M, Das S, Zhan L, Karni R, Muthuswamy SK, Krainer AR. (2012). The splicing factor SRSF1 regulates apoptosis and proliferation to promote mammary epithelial cell transformation. *Nature Structural Molecular Biology*, 19:220-8. [PMC3272117](#).
20. Das S, **Anczuków O**, Akerman M, Krainer AR. (2012). Oncogenic splicing factor SRSF1 is a critical transcriptional target of MYC. *Cell Reports*, 1:110–117. [PMC3334311](#).
21. **Anczuków O**, Buisson M, Leone M, Coutanson C, Lasset C, Calender A, Sinilnikova OM, Mazoyer S. (2012). *BRCA2* Deep Intronic Mutation Causing Activation of a Cryptic Exon: Opening Towards a New Preventive Therapeutic Strategy. *Clinical Cancer Research*, 18:4903-4909. PMID: [22753590](#).

Comment in: Fackenthal JD, Lee Y, Olopade OI. (2012). Hidden dangers: a cryptic exon disrupts *BRCA2* mRNA. *Clinical Cancer Research*, 18(18):4865-7
22. **Anczuków O**, Ware MD, Buisson M, Zetoune AB, Stoppa-Lyonnet D, Sinilnikova OM, Mazoyer S (2008). Does the nonsense-mediated mRNA decay mechanism prevent the synthesis of truncated BRCA1, CHK2, and p53 proteins? *Human Mutation*, 29:65-73. PMID: [17694537](#).
23. **Anczuków O**, Buisson M, Salles MJ, Triboulet S, Longy M, Lidereau R, Sinilnikova OM, Mazoyer S (2008). Unclassified Variants Identified in *BRCA1* Exon 11: Consequences on Splicing. *Genes, Chromosomes and Cancer*, 47:418-26. PMID: [18273839](#).
24. Zetoune AB, Fontaniere S, Magnin D, **Anczuków O**, Buisson M, Zhang CZ, Mazoyer S (2008). Comparison of nonsense-mediated mRNA decay efficiency in various murine tissues. *BMC Genetics*, 9:83. [PMC2607305](#).
25. Buisson M, **Anczuków O**, Zetoune AB, Ware MD, Mazoyer S (2006). The 185delAG mutation in the *BRCA1* gene triggers translation reinitiation at a downstream AUG codon. *Human Mutation*, 27:1024-9. PMID: [16941470](#).
26. Sinilnikova OM, Ginolhac SM, Magnard C, Leone M, **Anczuków O**, Hughes D, Moreau K, Thompson D, Coutanson C, Hall J, Romestaing P, Gerard JP, Bonadona V, Lasset C, Goldgar DE, Joulin V, Venezia ND, Lenoir GM (2004). Acetyl-CoA carboxylase alpha gene and breast cancer susceptibility. *Carcinogenesis*, 25: 2417-24. PMID: [15333468](#).

Non-peer reviewed journals and book chapters

27. **Anczuków O**, Lin KT, Das S, Wu J, Akerman M, Muthuswamy SK, Krainer AR. Abstract A078: Differential functions of splicing factors in breast-cancer initiation and metastasis. *Molecular Cancer Research*, 2013, 11 (10 Supplement), A078-A078
28. **Anczuków O**, Lin KT, Das S, Wu J, Akerman M, Muthuswamy SK, Krainer AR. Abstract B53: Differential functions of splicing factors in breast-cancer initiation and metastasis. *Cancer Research*, 2013, 73 (3 Supplement), B53-B53
29. **Anczuków O**, Rosenberg A, Muthuswamy SK, Krainer AR. Role of the splicing factor SF2/ASF in mammary epithelial cell transformation. *Cancer Research*, 2010, 70 (8 Supplement), 1-1