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Loop <http://loop.frontiersin.org/people/266751/overview>
Google Scholar <https://scholar.google.co.uk/citations?user=xTprJ1EAAAAJ&hl=en>

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EDUCATION

1994-1998 **BS** in Biology, School of Biology, Aristotle University of Thessaloniki, Greece, grade 8.54/10 - Excellent (top 3%).
1999-2001 **Post-Graduate studies**, Applied Genetics and Biotechnology, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece.
1999-2004 **PhD** Thesis in Genetics, Molecular Biology and Evolution, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece
2004-2009 **Postdoctoral fellow**, Molecular Biology of Cancer, GenNYSis Center for Excellence in Cancer Genomics, State University of New York at Albany, Albany, NY, USA
2009-2011 **Senior Research Fellow**, Cellular and Molecular Biology of Cancer, Department of Cancer Biology, Mayo Clinic Cancer Center, Jacksonville, FL, USA

APPOINTMENTS - EMPLOYMENT

- 2011-2016** **Research Associate**, Cellular and Molecular Biology of Cancer, Department of Cancer Biology, Mayo Clinic Cancer Center, Jacksonville, FL, USA
- 2014-2016** **Instructor** of Cancer Biology, Mayo Clinic College of Medicine, Jacksonville, FL, USA
- 2016-present** **Assistant Professor**, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC, USA
- 2016-present** **Associate Research Member**, Cancer Biology (CB) Program, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC, USA

HONORS

- 1997-1998** **Tzivoglou Foundation Award** for undergraduate studies (Institutional, 1/year). Aristotle University of Thessaloniki, Thessaloniki, Greece
- 2000-2002** **Bodossaki Foundation Fellowship** for PhD studies (National, 2/year). Aristotle University of Thessaloniki, Thessaloniki, Greece
- 2016** **Abney Scholar**, Hollings Cancer Center, Medical University of South Carolina, USA
- 2016** **Searle Award nomination**, Medical University of South Carolina, USA
- 2017** **V-Foundation Scholarship Award nomination**, Hollings Cancer Center, Medical University of South Carolina, USA

PROFESSIONAL MEMERSHIPS AND SERVICE

- 2006-2009** Capital Region Cancer Research (CRCR) group, Albany, NY
- 2009-2016** Mayo Clinic Research Fellow Association (MRFA)
- 2010-present** Mayo Clinic Alumni Association
- 2009-present** Hellenic Bioscientific Association of the USA (HBA-USA) - Member
- 2015-present** American Society for Cell Biology (ASCB) - Member
- 2016-present** American Association for Cancer Research (AACR) - Member
- 2016-present** American Association for the Advancement of Science (AAAS) - Member
- 2016-present** Research Advisory Committee, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina (MUSC) - Member
- 2016-present** Faculty Search Committee, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina (MUSC) - Member
- 2016-present** Women Scholars Initiative Workshop Committee, Medical University of South Carolina (MUSC) - Member
- 2017-present** Seminar Series Coordinator, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina (MUSC)
- 2017-present** College of Graduate Studies Development Committee, Medical University of South Carolina (MUSC) - Member

FUNDING SUPPORT

Ongoing

Start-up funding, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina

Kourtidis (PI) 08/01/16-07/31/19

Title: Association of the adherens junctions with the RNAi machinery regulates cell behavior

Goal: Explore a novel mechanism through which the adherens junctions recruit the RNAi mechanism to maintain cellular homeostasis

Role: **PI**

Abney Scholarship Award, Hollings Cancer Center, Medical University of South Carolina

Kourtidis (PI) 08/01/16-07/31/19

Title: The adherens junctions suppress pro-tumorigenic activity via RNAi

Goal: Investigate the implications of the adherens junctions-associated RNAi mechanism in cancer progression

Role: **PI**

American Cancer Society Institutional Research Grant, Hollings Cancer Center, Medical University of South Carolina

Kourtidis (PI) 01/01/17-12/31/17

Title: The Adherens Junctions suppress aberrant colon cell behavior via long non-coding RNAs

Goal: Explore the association and regulation of lncRNAs by the adherens junctions and the role of this cross-talk in colon cancer.

Role: **PI**

Digestive Diseases Research Core Center (DDRCC) Pilot & Feasibility Study Award, Medical University of South Carolina

Kourtidis (PI) 10/01/17-09/30/18

Title: The adherens junctions maintain colon cell homeostasis by recruiting the RNAi machinery

Goal: Investigate the implications and relevance of the adherens junctions-associated RNAi colon cell behavior and intestinal disease.

Role: **PI**

Completed

Jay and Deanie Stein Career Development Award for Cancer Research - Mayo Clinic

Kourtidis (PI) 04/01/14-07/31/16

Title: Reversal of Ecad/p120-induced tumorigenicity of Inflammatory Breast Cancer cells via miRNA-mediated reprogramming

Goal: Investigate the role of adherens junctions-regulated miRNAs in inflammatory breast cancer

Role: **PI**

PUBLICATIONS**A. Original Research Articles**

- 2005** **Kourtidis A** and Scouras ZG. Analysis and characterization of the transcriptional unit of a new *Mytilus galloprovincialis* (Mollusca, Bivalvia) *hsp70* gene. ***DNA Sequence*** 16:36-43.
- 2006** **Kourtidis A**, Drosopoulou E, Nikolaidis N, Hatzi VI, Chintiroglou CC, Scouras ZG. Identification of several cytoplasmic HSP70 genes from the Mediterranean mussel (*Mytilus galloprovincialis*) and their long-term evolution in Mollusca and Metazoa. ***Journal of Molecular Evolution*** 62:446-459.
- 2006** **Kourtidis A**, Drosopoulou E, Pantzartzi CN, Chintiroglou CC, Scouras ZG. Three new satellite sequences and a mobile element found inside HSP70 introns of the Mediterranean mussel (*Mytilus galloprovincialis*). ***Genome*** 49:1451-1458
- 2007** Evans SC, **Kourtidis A**, Markham TS, Miller J, Conklin DS, Torres A. microRNA target detection and analysis for genes related to breast cancer using MDLcompress. ***EURASIP Journal on Bioinformatics and Systems Biology*** 43670.
- 2008** Lastro ML, **Kourtidis A**, Farley K, Conklin DS. xCT expression reduces the early cell cycle requirement for calcium. ***Cellular Signaling*** 20:390-399.
- 2008** Ranganathan AC, Ojha S, **Kourtidis A**, Conklin DS, Aguirre-Ghiso JA. Dual function of PERK in tumor cell growth arrest and survival. ***Cancer Research*** 68:3260-3268.
- 2008** O'Connell CB, Lončarek J, Hergert P, **Kourtidis A**, Conklin DS, Khodjakov A. The spindle assembly checkpoint monitors attachment and not tension during Mitosis with an Unreplicated Genome (MUG). ***Journal of Cell Biology*** 183:29-36.
- 2009** Pantzartzi CN, **Kourtidis A**, Drosopoulou E, Yiangou M, Scouras ZG. Isolation and characterization of two cytoplasmic *hsp90* genes from *Mytilus galloprovincialis* (Mollusca: Bivalvia) that contain a complex promoter with a p53 binding site. ***Gene*** 431:47-54.
- 2009** **Kourtidis A**, Srinivasaiah R, Carkner RD, Brosnan MJ, Conklin DS. Peroxisome proliferator-activated receptor- γ protects ERBB2-positive breast cancer cells from palmitate toxicity. ***Breast Cancer Research*** 11:R16
- 2009** Adam AP, George A, Schewe D, Bragado P, Iglesias BV, Ranganathan A, **Kourtidis A**, Conklin DS, Aguirre-Ghiso JA. Computational identification of a p38^{SAPK} regulated transcription factor network required for tumor cell quiescence. ***Cancer Research*** 69:5664-72.
- 2010** **Kourtidis A**, Jain R, Carkner RD, Eifert C, Brosnan MJ, Conklin DS. An RNAi screen identifies metabolic regulators *NR1D1* and *PBP* as novel survival factors for breast cancer cells with the *ERBB2* signature. ***Cancer Research***, 70:1783-92
- 2012** Ngok SP, Geyer R, Liu M, **Kourtidis A**, Agrawal S, Wu C, Seerapu HR, Lewis-Tuffin LJ, Moodie K, Huvelde D, Marx R, Baraban J, Storz P, Horowitz A, Anastasiadis PZ. VEGF and Angiopoietin-1 exert opposing effects on cell junctions by regulating the Rho GEF Syx. ***Journal of Cell Biology***, 199(7): 1103-15.
- 2013** Ngok SP, Geyer R, **Kourtidis A**, Storz P, Anastasiadis PZ. Phosphorylation-mediated 14-3-3 binding regulates the function of the RhoGEF Syx. ***Journal of Biological Chemistry***, 288(9):6640-50.

- 2013** Ngok SP, Geyer R, **Kourtidis A**, Feathers RW, Mitin N, Der C, Anastasiadis PZ. TEM4 is a junctional RhoGEF required for cell-cell adhesion, monolayer integrity, and barrier function. *Journal of Cell Science*, 126 (Pt 15): 3271-7.
- 2013** Eifert C, Wang X, Kokabee L, **Kourtidis A**, Jain R, Gerdes MJ, Conklin DS. A novel isoform of the B cell tyrosine kinase BTK protects breast cancer cells from apoptosis. *Genes Chromosomes Cancer*, 52(10):961-75.
- 2013** Daechsel JC, Ngok SP, Lewis-Tuffin LJ, **Kourtidis A**, Johnston L, Feathers RW, Anastasiadis PZ. The RhoGEF Syx regulates the balance of Dia and ROCK activities to promote polarized cancer cell migration. *Molecular and Cellular Biology*, 33(24):4909-18
- 2014** Xu D, Vamsee-krishna C, **Kourtidis A**, Conklin DS, Shi H. In search of novel drug target sites on estrogen receptors using RNA aptamers. *Nucleic Acid Therapeutics*, 24(3):226-38.
- 2015** **Kourtidis A**, Huvelde D, Yanagisawa M, Copland JA, Anastasiadis PZ. Pro-tumorigenic phosphorylation of p120 catenin in renal and breast cancer. *PLOS ONE*, 10(6):e0129964.
- 2015** **Kourtidis A**, Ngok SP, Pulimeno P, Feathers RW, Carpio L, Baker T, Carr JM, Yan IK, Borges S, Perez EA, Storz P, Copland JA, Patel T, Thompson EA, Citi S, Anastasiadis PZ. Distinct E-cadherin-based complexes regulate cell behaviour through miRNA processing or Src and p120-catenin activity. *Nature Cell Biology*, 17(9):1145-57.
(*Top read: in the top 1% of the 232,739 tracked articles of a similar age in all journals; Faculty of 1000: Two Recommendations - 4 stars, to date; Nature Medicine: News in Brief, October 2015, 21, 1112–13; Highlighted in BBC news and other news outlets*)
- 2016** **Kourtidis A** and Anastasiadis PZ. PLEKHA7 defines an apical junctional complex with cytoskeletal associations and miRNA-mediated growth implications. *Cell Cycle* 15: 498-505
- 2016** Fiorotto R, Villani A, **Kourtidis A**, Scirpo R, Amenduni M, Cadamuro M, Spirli C, Anastasiadis PZ, Strazzabosco M. CFTR controls biliary epithelial inflammation and permeability by regulating Src tyrosine kinase activity. *Hepatology* Dec;64(6):2118-2134
- 2017** **Kourtidis A***, Necela B, Lin WH, Lu R, Feathers RW, Asmann, YW, Thompson EA, Anastasiadis PZ. Cadherin complexes recruit mRNAs and RISC to regulate epithelial cell signaling. *Journal of Cell Biology*, 216(10): 3073-85. *Co-corresponding author. (*Faculty of 1000: Two Recommendations - 4 stars, to date*)

B. Reviews, Book Chapters, Editorials

- 2007** **Kourtidis A**, Eifert C, Conklin DS. RNAi Applications in Target Validation. *Ernst Schering Research Foundation Workshop*. 61:1-21
- 2007** Eifert C, **Kourtidis A**, Conklin DS. RNA interference libraries in dissecting molecular pathways of the human cell. *RNAi*. BIOS Advanced Methods Press, Editor: Martin Latterich. pp 47-63
- 2011** Baumann J, Karch C, **Kourtidis A**, Conklin DS. Electronics of HER2/neu Positive Breast Cancer Cells. *Breast Cancer Cells/Book 5*. InTech, Editor: Brunhilde Felding-Habermann. pp 17-36
- 2013** **Kourtidis A**, Ngok SP, Anastasiadis PZ. p120 catenin: an essential regulator of cadherin stability, adhesion-induced signaling, and cancer progression. In: *Progress in Molecular*

Biology and Translational Science - The molecular biology of cadherins. Editors: P. Michael Conn - Frans Van Roy; 116: 409-32.

- 2016** **Kourtidis A** and Anastasiadis PZ. Bringing together cell-to-cell adhesion and miRNA biology in cancer research. *Future Oncology*, 12: 1211-1214
- 2017** **Kourtidis A**, Lu R, Pence LJ, Anastasiadis PZ. A central role for cadherin signaling in cancer. *Experimental Cell Research*, 358(1):78-85

C. Media Publications

- 2015** **Kourtidis A**. The new RNA world in research and cancer therapy: no dogmas attached. *DoveMed*, September 23, 2015. <http://www.dovemed.com/dovemed-blog/new-rna-world-research-and-cancer-therapy-no-dogmas-attached/>

CONFERENCE ABSTRACTS

- 1998** **Kourtidis A**, Nikolaidis N, Chintiroglou C, and Scouras ZG. Analysis of the mtDNA in populations of the Sphaeromatidae family (Crustacea, Isopoda). *Proceedings of the 20th Hellenic Society for Biological Sciences (HSBS)*, pp 144.
- 2001** Chintiroglou C, Skoufas G, Arsenoudi P, **Kourtidis A** and Scouras ZG. Structure of the natural populations of *Mytilus galloprovincialis* Lmk. in Thermaikos gulf. *Proceedings of the 36th Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM)*, pp 254.
- 2002** **Kourtidis A**, Hatzis V, Nikolaidis N, Drosopoulou E, Chintiroglou C, and Scouras ZG. Molecular studies on *Mytilus galloprovincialis* populations in Thermaikos gulf. *Proceedings of the 9th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR)*, pp 80.
- 2002** **Kourtidis A**, Hatzis V, Drosopoulou E, Nikolaidis N, Chintiroglou C, and Scouras ZG. Isolation and characterization of an *hsp70* sequence from *Mytilus galloprovincialis*. *Proceedings of the 24th HSBS*, pp 146.
- 2003** **Kourtidis A**, Pantzartzi C, Drosopoulou E, Chintiroglou C, and Scouras ZG. Application of microsatellite primers in populations of the bivalve *Mytilus galloprovincialis* of Thermaikos gulf. *Proceedings of the 25th HSBS*, pp 167.
- 2003** **Kourtidis A**, Pantzartzi C, Drosopoulou E, Chintiroglou C, and Scouras ZG. A study on the populations of the bivalve *Mytilus galloprovincialis* from Thermaikos gulf using molecular markers. *Abstract in the Society of Hellenic Ecologists (SHE) Congress*.
- 2003** Drosopoulou E, Karamanlidis A, Vittas S, **Kourtidis A**, and Scouras ZG. Preliminary results on the study of the brown bear population in Grevena area using molecular markers. *Abstract in SHE Congress*.
- 2004** **Kourtidis A**, Hatzis V, Drosopoulou E, and Scouras ZG. Isolation and mapping of *hsp70* sequences from *Mytilus galloprovincialis*. *Proceedings of the 25th HSBS*, pp 169.
- 2005** **Kourtidis A**, Curley M, and Conklin DS. Functional genomic analysis of breast cancer cell tumorigenicity. *Proceedings of the 4th Era of Hope DOD Breast Cancer Research Program Meeting*. pp 47.
- 2005** **Kourtidis A** and Conklin DS. An RNAi screen on Genes Overexpressed in Breast Cancer. *SUNY at Albany, Department of Biomedical Sciences Annual Retreat, October 11*.

- 2006** Evans SC, Markham TS, Torres A, **Kourtidis A**, and Conklin DS. An Improved Minimum Description Length Learning Algorithm for Nucleotide Sequence Analysis. *Proceedings of the Fortieth Asilomar Conference on Signals, Systems and Computers*. pp 1843-1850.
- 2007** Adam AP, George A, Iglesias BV, Ranganathan AC, **Kourtidis A**, Conklin DS, and Aguirre-Ghiso JA. Induction of tumor cell quiescence by p38^{SAPK} requires positive regulation of p53 and Dec2/BLHBH3. *Cold Spring Harbor Phosphorylation, Signaling and Disease Meeting*.
- 2007** **Kourtidis A**, Carkner RD, DiRusso CM, Brosnan MJ, and Conklin DS. 2007. An RNAi screen identifies lipid metabolism as a survival pathway for breast cancer cells with the ERBB2 amplicon. *SUNY at Albany, Department of Biomedical Sciences Annual Retreat, October 9*.
- 2008** **Kourtidis A**, Carkner RD, Brosnan MJ, and Conklin DS. An RNAi screen identifies enhanced triglyceride storage as a survival factor for breast cancer cells with the ERBB2 amplicon. *Proceedings of the 99th Annual Meeting of the American Association for Cancer Research (AACR), abstract #938*.
- 2008** Pantzartzi CN, **Kourtidis A**, Drosopoulou E, Yiangou M, and Scouras ZG. Evolution of a gene duplication of the cytosolic HSP90 genes. *Proceedings of the 30th HSBS, pp 436*.
- 2008** **Kourtidis A**, Carkner RD, Eifert C, Brosnan MJ, and Conklin DS. 2008. An RNAi screen identifies lipid metabolism as a survival pathway for breast cancer cells with the ERBB2 amplicon. *SUNY at Albany, Department of Biomedical Sciences Annual Retreat, October 7*.
- 2008** **Kourtidis A**, Carkner RD, Eifert C, Brosnan MJ, and Conklin DS. An RNAi screen identifies regulators of lipid metabolism as survival factors for breast cancer cells with the ERBB2 amplicon. *Capital Region Cancer Research group (CRCR) - Bioconnex conference on Cancer Genomics, Rensselaer Polytechnic Institute, November 7*.
- 2010** **Kourtidis A**, Huveltdt D, and Anastasiadis PZ. Distinct p120-cadherin complexes regulate either Rac1 activation and cell migration, or junction maturation and epithelial cell compaction. *Nature Conferences - The Miami 2010 Winter Symposium: Targeting Cancer Invasion and Metastasis, February 21-24*.
- 2010** Xu D, **Kourtidis A**, Conklin DS, Shi H. Creating RNA aptamers to modulate functions of human estrogen receptor alpha. *RNA & oligonucleotide therapeutics, Cold Spring Harbor Laboratory Meetings, pp. 9*.
- 2010** **Kourtidis A**, Huveltdt D, and Anastasiadis PZ. Distinct p120-cadherin complexes regulate either Rac1 activation and cell migration, or junction maturation and epithelial cell compaction. *Gordon Research Conference: Signaling by Adhesion Receptors, July 11-16*.
- 2011** **Kourtidis A**, Carpio L, and Anastasiadis PZ. Distinct p120-cadherin complexes promote either epithelial junction maturation or cell motility and tumor progression. *Gordon Research Conference: Cell Contact and Adhesion, June 19-24*.
- 2011** Ngok SP, Geyer R, **Kourtidis A**, Huveltdt D, Agrawal S, Marx R, Baraban J, Storz P, Horowitz A, and Anastasiadis PZ. VEGF and Angiopoietin-1 exert opposing effects on cell junctions by regulating the RhoGEF Syx. *Gordon Research Conference: Cell Contact and Adhesion, June 19-24*.
- 2013** Baumann JM, **Kourtidis A**, Conklin DS. The lipogenic phenotype of HER2/neu-positive breast cancer cells. *Proceedings of the 104th Annual Meeting of the American Association for Cancer Research (AACR), abstract #1894*

- 2013** **Kourtidis A**, Carpio LR, Pulimeno P, Baker TR, Feathers RW, Carr JM, Ngok SP, Dachsel JC, Perez EA, Storz P, Copland JA, Thompson EA, Citi S, Anastasiadis PZ. Adhesion signaling in tumor progression. *18th World Congress on Advances in Oncology and 16th International Symposium on Molecular Medicine. October 10-12, Crete, Greece.*
- 2015** **Kourtidis A**, Carr JM, Yan IK, Patel T, Thompson EA, and Anastasiadis PZ. Association of the RNAi machinery with the zonula adherens regulates growth-related signaling. *Gordon Research Conference: Cell Contact and Adhesion, June 28-July 3.*
- 2015** **Kourtidis A**, Carr JM, Yan IK, Patel T, Thompson EA, and Anastasiadis PZ. Association of the RNAi machinery with the zonula adherens regulates growth-related signaling. *American Society for Cell Biology (ASCB) Annual Meeting, December 12-16.*
- 2016** Nair-Menon J and **Kourtidis A**. The adherens junctions recruit the RNAi machinery to suppress colon cancer cell aggressiveness via non-coding RNAs. *Hollings Cancer Center 16th Annual Research Retreat, October 28.*
- 2017** Bridges MC, Nair-Menon J. and **Kourtidis A**. The adherens junctions suppress pro-tumorigenic colon cell transformation via long non-coding RNAs. *Hollings Cancer Center 17th Annual Research Retreat, October 27.*
- 2017** Bridges MC, Nair-Menon J. and **Kourtidis A**. The cell-cell adhesion component PLEKHA7 regulates the pro-tumorigenic MIR17HG long non-coding RNA in colon epithelial cells. *American Society for Cell Biology (ASCB) - European Molecular Biology Organization (EMBO) Meeting, December 2-6.*

SEMINARS

- 2004** "Isolation, molecular and phylogenetic analysis of genes of the HSP70 family in the bivalve mollusc *Mytilus galloprovincialis*". GenNYSis Center for Excellence in Cancer Genomics, SUNY at Albany, Albany, NY, September 29
- 2004** "Isolation, molecular characterization and phylogenetic analysis of genes of the HSP70 family in the bivalve mollusc *Mytilus galloprovincialis*, Lmk. 1819". PhD Thesis Seminar. School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece, December 2.
- 2007** "Genes on the ERBB2 amplicon are important for breast cancer cell homeostasis and survival". David Axelrod Institute, Wadsworth Center, Albany, NY, October 9.
- 2008** "An RNAi screen identifies regulators of fat metabolism as survival factors for breast cancer cells with the ERBB2 amplicon." GenNYSis Center for Excellence in Cancer Genomics, SUNY at Albany, Albany, NY, June 20
- 2009** "An RNAi screen identifies regulators of fat metabolism as survival factors for breast cancer cells with the ERBB2 signature." Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, April 21
- 2010** "Distinct p120-catenin complexes regulate either junction maturation and epithelial cell compaction or cell motility and migration". Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, September 21
- 2011** "A brief history of cell metabolism and polarity". Department of Biological Sciences, University of Cyprus, Nicosia, Cyprus, February 25
- 2012** "The double life of p120: who's to blame?" Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, February 7

- 2012** “How minimal disruptions in normal epithelial architecture can induce tumorigenesis”. University of Florida College of Medicine Grand Rounds, University of Florida - Shands Hospital, Jacksonville, Florida, December 5
- 2013** “The Adherens Junction protein PLEKHA7 suppresses pro-tumorigenic signals in epithelial cells”. Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, April 16
- 2014** “PLEKHA7: can a protein with an unpopular name become popular in cancer research?” Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, April 1
- 2015** “There is some interference at the junctions”. Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, April 14
- 2015** “Cell-cell junctions regulate cell behavior via miRNAs” University of North Florida, Department of Biology seminar series, Jacksonville, Florida, November 6
- 2015** “Association of the RNAi machinery with the zonula adherens regulates growth-related signaling”. Microsymposium talk, American Society for Cell Biology (ASCB) Annual Meeting, San Diego, California, December 15
- 2016** “There is some interference at the junctions”. Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, South Carolina, January 4
- 2016** “A Novel Association of the RNAi Machinery with the Adherens Junctions”. Department of Molecular, Cellular and Developmental Biology, University of California Santa Barbara, Santa Barbara, California, January 13
- 2016** “RISCy business at the junctions”. Mayo Clinic Cancer Center, Griffin Cancer Research Building, Jacksonville, Florida, March 30
- 2016** “A broad association of the adherens junctions with RNAi regulates cell behavior”. Hollings Cancer Center, Cancer Genes & Molecular Regulation Program Meeting, Medical University of South Carolina, Charleston, South Carolina, November 4
- 2016** “A broad association of the adherens junctions with RNAi regulates cell behavior”. Basic Science Chairs Meeting, Medical University of South Carolina, Charleston, South Carolina, November 15
- 2017** “An Adherens Junctions-associated RNAi program suppresses pro-tumorigenic transformation of colon cells”. RNA Club: RNA and Disease, Medical University of South Carolina, Charleston, South Carolina, April 27
- 2017** “The Adherens junctions recruit the RNAi machinery and non-coding RNAs to regulate cell behavior”. 2017 PCS 2nd Global Cell Science and Stem Cell Conference (CSSC-2017), Rome, Italy, July 9
- 2017** “The adherens junctions regulate colon epithelial cell behavior through RNAi”. MUSC Digestive Disease Retreat, Hollings Cancer Center, Medical University of South Carolina, Charleston, South Carolina, July 28
- 2017** “Assessing Research Resources and Institutional Fit”. MUSC College of Graduate Studies Retreat on the Responsible Conduct of Research and Career Development, Medical University of South Carolina, Charleston, South Carolina, November 7
- 2017** “Epithelial Adherens Junctions Suppress Pro-Tumorigenic Behavior via RNAi and Non-Coding RNAs”. Developmental Cancer Therapeutics and Cancer Biology Program Retreat, Hollings Cancer Center, Medical University of South Carolina, Charleston, South Carolina, November 14

- 2017** “Mechanoregulation by a cadherin-mediated RNAi machinery”. South Carolina Bioengineering Center for Regeneration and Formation of Tissues (SC BioCRAFT) Meeting, Greenville, South Carolina, December 8.

ORIGINAL GENBANK SUBMISSIONS

- 2003** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis hsp70-1* gene for heat shock protein 70. Accession #: AJ585375
- 2004** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis hsp70-2* gene for heat shock protein 70. Accession #: AJ783711
- 2004** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis hsp70-3* gene for heat shock protein 70. Accession #: AJ783712
- 2004** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis hsp70-4* gene for heat shock protein 70. Accession #: AJ783713
- 2004** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis hsc71* gene for heat shock cognate 71, exons 1-6. Accession #: AJ783714
- 2004** **Kourtidis A** and Scouras ZG. *Mytilus galloprovincialis* partial *hsc70* gene for heat shock cognate 70, exons 4-5. Accession #: AJ783715

PATENTS

- ❖ Conklin DS, and **Kourtidis A**. Regulators of Fat Metabolism as Anti-Cancer Targets. US Patent Application # 20100267803. Filed 2009.
- ❖ Conklin DS, Eiffert C, and **Kourtidis A**. Bruton's Tyrosine Kinase as Anti-Cancer Drug Target. US Patent # 8,513,212.

JOURNAL PEER-REVIEWER

- ❖ Nature Methods
- ❖ Journal of Cell Biology
- ❖ Journal of Cell Science
- ❖ Oncogene
- ❖ Molecular Cancer Research
- ❖ Cellular Physiology and Biochemistry
- ❖ Breast Cancer Research
- ❖ International Journal of Cancer
- ❖ BMC Biology
- ❖ Current Medicinal Chemistry
- ❖ Medical Science Monitor

TEACHING AND MENTORING

A. Curriculum/Course Development

- 2001 – 2004** “Special Topics in Genetics”, School of Biology, AUTH, Greece. Assisted in developing course (Supervisor, Prof. ZG Scouras); Developed Laboratory courses. Assisted in writing Laboratory course manual.
- 2017-present** “Student-Postdoc Science Club”, Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina; Supervisor-Coordinator.

B. Teaching

- 2000 - 2003** Biology science basics, Private High Schools, Thessaloniki, Greece
- 2000 - 2001** “Anthropology”, School of Biology, AUTH, Greece. Hours/semester: 12 Syllabus: Morphometrics of human skulls and skeletons; age determination; sex determination; human skeleton evolution
- 2000 – 2002** “Genetics”, School of Biology, AUTH, Greece. Hours/semester: 18. Syllabus: Drosophila crossings (F1, F2); “Hardy-Weinberg” equilibrium; inheritance of dominant-recessive and autosomal-sexual genes; inheritance of linked genes; Karyotype preparation; chromosomal abnormalities; total genomic DNA isolation and purification from Drosophila specimens or human blood cells; agarose gel electrophoresis
- 2000 - 2004** “Special Topics in Genetics”, School of Biology, AUTH, Greece. Hours/semester: 18. Syllabus: Total Genomic library construction and screening; mitochondrial DNA (mtDNA) isolation and purification; restriction enzyme mapping of genomic library fragments and of mtDNA (RFLPs); PCR amplification of target genes; Bioinformatic analysis of gene structure; Bioinformatic analysis of gene evolution - phylogenetic tree construction.
- 2017 - present** “Learning from the Literature” series, College of Graduate Studies - PhD in Biomedical Sciences program, Medical University of South Carolina, USA. Hours/semester: 2. Syllabus: New surprises in cellular structure and function.
- 2017 - present** “Genes: Inheritance/Expression”, College of Graduate Studies - PhD in Biomedical Sciences program, Medical University of South Carolina, USA. Hours/semester: 6. Syllabus: Nucleolus, rRNA Synthesis & maturation, ribosomal proteins; mRNA Processing: Capping, Polyadenylation, Catalytic RNAs, Splicing; THINK #2 - Clever manipulation of mRNA export and translation by RNA viruses.

C. Mentorship

Individual and Position	Timeframe & Description	Outcomes	Current Status
Rodoniki Athanasiadou, Undergraduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece	2000 - 2001 Mentored Rodoniki Athanasiadou during her Diploma Thesis.	Diploma Thesis on genetic-molecular studies regarding <i>Mytilus galloprovincialis</i> populations in Thermaikos gulf, Thessaloniki, Greece	Postdoctoral researcher at New York University, NY, USA
Elena Bousiaki, Undergraduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece	2001 - 2002 Mentored Elena Bousiaki during her Diploma Thesis.	Diploma Thesis on screening for microsatellite loci in <i>Mytilus galloprovincialis</i> populations in Thermaikos gulf, Thessaloniki, Greece	Senior CRA at Zeincro Pharmaceuticals, Thessaloniki, Greece
Olympia Papadaki, Undergraduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece	2001 - 2002 Mentored Olympia Papadaki during her Diploma Thesis.	Diploma Thesis on screening for microsatellite loci in <i>Mytilus galloprovincialis</i> populations in Thermaikos gulf, Thessaloniki, Greece	CRA, Medical Department at GlaxoSmithKline, Greece
Vasilliki I. Hatzi, Graduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece	2001-2002 Mentored Vasiliki Hatzi during her Master of Science (MSc) Thesis, Applied Genetics and Biotechnology	Master of Science (MSc) Thesis, Applied Genetics and Biotechnology; contributing author in a peer-reviewed article in the " <i>Journal of Molecular Evolution</i> " (2006 Apr;62(4):446-59) Diploma Thesis on genetic mapping of <i>hsp90</i> loci from <i>M. galloprovincialis</i> , Thessaloniki, Greece	Collaborate Researcher, Laboratory of Health Physics, Radiobiology & Cytogenetics Institute of Nuclear & Radiological Sciences (I.N.R.A.S.T.E.S.), National Center for Scientific Research (NCSR) "Demokritos", Athens, Greece

<p>Aggeliki Tserga, Undergraduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece</p>	<p>2002-2003 Mentored Aggeliki Tserga during her Diploma Thesis.</p>	<p>Diploma Thesis on genetic mapping of <i>hsp90</i> loci from <i>Mytilus galloprovincialis</i>, Thessaloniki, Greece</p>	<p>Post-Doctoral fellow at Brigham and Women's Hospital - Albert Ludwigs University of Freiburg, Germany and Harvard University, USA</p>
<p>Ioanna Chiotoglou, Undergraduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece</p>	<p>2002-2003 Mentored Ioanna Chiotoglou during her Diploma Thesis</p>	<p>Diploma Thesis on genetic mapping of <i>hsp90</i> loci from <i>Mytilus galloprovincialis</i>, Thessaloniki, Greece</p>	<p>Researcher, School of Medicine, University of Thessaly, Greece</p>
<p>Chrysoula N. Pantzartzi, Graduate Student, School of Biology, Aristotle University of Thessaloniki (AUTH), Greece</p>	<p>2003-2004 Mentored Chrysoula Pantzartzi during her Master of Science (MSc) Thesis, Applied Genetics and Biotechnology</p>	<p>Master of Science (MSc) Thesis, Applied Genetics and Biotechnology; contributing author in peer-reviewed article in "<i>Genome</i>" 2006, 49:1451-1458 and lead author in "<i>Gene</i>" 2009, 431:47-54</p>	<p>Postdoctoral fellow, Department of Transcriptional Regulation, Institute of Molecular Genetics, Prague, Czech Republic</p>
<p>Matthew Curley, Research Assistant, GenNYSis Center for Excellence in Cancer Genomics, State University of New York at Albany, Albany, NY</p>	<p>2004-2005 Mentored Matthew Curley during his training as Research Assistant</p>	<p>Contribution to Conference poster: "Functional genomic analysis of breast cancer cell tumorigenicity". 4th Era of Hope DOD Breast Cancer Research Program Meeting, Philadelphia 2005.</p>	<p>-Deceased-</p>
<p>Elise Kochoumian, Undergraduate Student, St. Francis Prep, Flushing, NY and State University of New York at Albany, Albany, NY</p>	<p>2005 Mentored Elise Kochoumian during her Research Training</p>	<p>Contribution to the research project "Functional genomic analysis of breast cancer cell tumorigenicity using a novel gene silencing resource"</p>	<p>Medical Student, New York College of Osteopathic Medicine</p>

<p>Adey Teshome, Undergraduate Student, St. Francis Prep, Flushing, NY and State University of New York at Albany, Albany, NY</p>	<p>2005 Mentored Adey Teshome during her Research Training</p>	<p>Contribution to the research project "Functional genomic analysis of breast cancer cell tumorigenicity using a novel gene silencing resource"</p>	<p>Women's Education and Economic Center, Cornell, NY - Intern at Religions for Peace, New York, NY</p>
<p>Rich Yerry Undergraduate Student, Cohoes High School, NY and State University of New York at Albany, Albany, NY</p>	<p>2005-2006 Mentored Rich Yerry during his Research Training</p>	<p>Contribution to the research project "Functional genomic analysis of breast cancer cell tumorigenicity using a novel gene silencing resource"</p>	<p>Social Worker St. Peter's Health Partners, Cohoes, NY</p>
<p>Rekha Srinivasaiah, Research Assistant, GenNYSis Center for Excellence in Cancer Genomics, State University of New York at Albany, Albany, NY</p>	<p>2007-2008 Mentored Rekha Srinivasaiah during his training as Research Assistant</p>	<p>Contribution to various projects in the lab</p>	<p>Research Professional, Albany, NY</p>
<p>Benjamin Yeung, Undergraduate Student, Queens University, Canada and State University of New York at Albany, Albany, NY</p>	<p>2008 Mentored Benjamin Yeung during his Research Training</p>	<p>Contribution to the research project "Functional genomic analysis of breast cancer cell tumorigenicity using a novel gene silencing resource"</p>	<p>Graduate Student, Department of Pathology and Molecular Medicine, Queens University, Ontario, Canada</p>
<p>Daiying Xu, Graduate Student, State University of New York at Albany, Albany, NY</p>	<p>2008-2009 Mentored Daiying Xu in a collaborative project during her Thesis Research</p>	<p>Lead author in the peer-reviewed article: "In search of novel drug target sites on estrogen receptors using RNA aptamers". (<i>Nucleic Acid Therapeutics</i>, 24(3):226-38)</p>	<p>Postdoctoral Associate, MIT, Cambridge, MA</p>

Lomeli Carpio, Undergraduate Student, University of New Mexico and Mayo Clinic, SURF student program	2010 Mentored Lomeli Carpio during her SURF Research	PhD in Biochemistry and Molecular Biology, Mayo Clinic. Contributing author in Conference poster, Gordon Research Conference: Cell Contact and Adhesion, June 19- 24, Mount Snow Resort, VT; Contributing author in the peer- reviewed article: "Distinct E- cadherin-based complexes regulate cell behaviour through miRNA processing or Src and p120-catenin activity. <i>Nature Cell Biology</i> , 17(9):1145-57.	Postdoctoral Fellow, Mayo Clinic, Rochester, MN
Kathryn Dasburg Undergraduate Student, Colorado College and Mayo Clinic, SURF student program	2011 Mentored Kathryn Dasburg during her SURF Research	Contribution to the research project "A new role for RhoGEFs in cell metabolism"	Medical Student, University of Miami
Lauren Olsen, Undergraduate Student, University of North Florida and Mayo Clinic internship program	2013 Mentored Lauren Olsen during her internship	Contribution to the research project: "The role of PLEKHA7- p120 complexes in inflammatory breast cancer".	Recently graduated from University of North Florida (UNF), Jacksonville, FL
Jesus Benitez, Graduate Student, Mayo Clinic	2013-2015 Mentored Jesus Benitez during his Master's Thesis Research	Contribution to the research project: "The role of PLEKHA7- p120 complexes in inflammatory breast cancer". Master's Degree, Mayo Clinic Graduate School, Rochester, MN	Middle School Science Teacher, Santa Cruz, CA
Alicia Fleming	2014 Mentored Graduate Student A. Fleming during her research rotation	Contribution to the research project: "The role of adhesion complexes in cell growth".	PhD Student, Mayo Clinic Jacksonville, FL
Lindy Pence	2016 Co-mentored Graduate Student L. Pence during her research rotation	Contribution to the research project: "The role of adhesion complexes in cell growth". Contribution to a Review article.	MD-PhD Student, Mayo Clinic Jacksonville, FL

Megan Sheridan	2016-2017 Mentored Graduate Student M. Sheridan during her research rotation	Contribution to the research project: "The role of PLEKHA7 in suppressing colon cancer cell growth". A related manuscript in preparation.	PhD Student, Medical University of South Carolina, SC
Mary (Catherine) Bridges	2017-present Mentored Graduate Student M. Bridges during her research rotation and mentoring her for her PhD Thesis	Thesis project under the tentative title: "The adherens junctions suppress pro-tumorigenic colon cell transformation via long non-coding RNAs." A related manuscript already in preparation.	PhD Student, Medical University of South Carolina, SC
Mary (Paige) Lamprecht	2017-present Serving as Thesis advisory committee member	Thesis project undergoing in Dr. Stephen Duncan's Lab	MS Student, Medical University of South Carolina, SC
Paul Hager	Summer of 2017 Mentored High-School student P. Hager during his volunteering work in the lab for his school's research program	Contribution to the research project: "Cadherin-RNAi interactions in endothelial systems"	High School student, Darien High School, Connecticut
Amanda Daulagala	2017-present Mentoring Graduate Student A. Daulagala during her research rotation	Contribution to the research project: "Cadherin-RNAi interactions in endothelial systems"	PhD Student, Medical University of South Carolina, SC