CURRICULUM VITAE

STEPHEN F. KONIECZNY

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ACADEMIC DEGREES

B.Sc.	1977	Zoology, University of Massachusetts, Amherst, MA (C. Woodcock, advisor)
Ph.D.	1982	Biology, Brown University, Providence, RI (J.R. Coleman, advisor)

PROFESSIONAL APPOINTMENTS

1975 - 1977	Research Assistant, University of Massachusetts, Amherst, MA
1982 - 1986	Postdoctoral Fellow, University of Virginia, Charlottesville, VA (C.P. Emerson, advisor)
1986 - 1991	Assistant Professor of Biology, Purdue University
1991 - 1996	Associate Professor of Biology, Purdue University
1996 - present	Professor of Biology, Purdue University
1997 - present	Director, Transgenic Mouse Core Facility, Purdue University
2002 - 2006	Director, Graduate Studies, Department of Biological Sciences, Purdue University
2010 - present	Director, Indiana Clinical and Translational Sciences Institute Transgenic Mouse Core Facility
2014 - 2016	Faculty Fellow, University Residential Life, Wiley Hall
2014 - 2016	Associate Head for Research and Graduate Education
2015 - present	Operations/Facility Director, Ross Biological Reserve
2016 - present	Interim Head, Department of Biological Sciences, Purdue University

RESEARCH INTERESTS

Pancreas development, pancreas disease, cell lineage and cell transdifferentiation events, transcriptional control of cell fate decisions, molecular biology of basic helix-loop-helix transcription factors

PROFESSIONAL SOCIETY MEMBERSHIPS

Society for Developmental Biology
American Society for Microbiology
Sigma Xi Scientific Research Society
American Association for the Advancement of Science
American Pancreatic Association
International Association of Pancreatology

PROFESSIONAL ACTIVITIES

1986 - present	Reviewer for *Proc. Nat'l. Acad. Sci., Developmental Biology, Mol. Cell Biology, Exp. Cell Research, Developmental Dynamics, FEBS Letters, Cell Death & Differentiation, J. Cell Biology, Cancer Research, Genes and Development, Life Sciences, Nucleic Acids Research, Science, J. Cell Physiology, Biochemistry, Molecular Endocrinology, Gastroenterology, Cell Growth and Differentiation, Nature, EMBO J., Mol. Biol. Cell., Mechanisms of Development, Molecular Cancer Research, J. Clinical Investigation, Cancer Cell, Science Signaling, Cancer Letters, PlosOne*
1986 - 1989	Outside reviewer for National Science Foundation Developmental Biology Study Section and Biochemical Genetics Program
1987	Member, National Institutes of Health, Molecular Cytology Study Section
1991	National Institutes of Health Program Project Review Panel
1992	National Heart, Lung and Blood Institute (NIH) Program Project Review Panel

1996	National Institutes of Health Study Section, outside reviewer
1998	Member, National Institutes of Health, Molecular Cytology Study Section
1998	Member, National Institutes of Health, Site Visit Team for the NIH Laboratory of Developmental Neurobiology
2002 - 2005	Faculty Mentor for the New Mexico Biomedical Research Infrastructure Network
2004	The Wellcome Trust Scientific Grant Reviewer
2006	U.S. Civilian Research and Development Foundation (CRDF) Grant Reviewer
2008	Association for International Cancer Research Grant Reviewer
2009	Medical Research Council Cancer Research Grant Reviewer
2010 - present	Member, American Pancreatic Association
2010	Session Moderator, Annual Meeting of the American Pancreatic Association, Chicago, IL
2011	National Institutes of Health Program Project Review Panel - Basic and Clinical Oncology
2011 - present	Member, National Pancreas Foundation Grant Review Council
2010 - present	Member, IUSM Pancreatic Cancer Signature Center
2013	DoD Medical Research Program Review Panel - Pancreatitis
2013	Postdoc Advisory Panel, Stowers Institute for Medical Research, Kansas City, MO

HONORS AND AWARDS

1978 - 1979	American Cancer Society Research Assistantship
1980 - 1982	NIH Predoctoral Fellowship
1982 - 1983	NIH Postdoctoral Fellowship
1983 - 1985	Muscular Dystrophy Association Postdoctoral Fellowship
1991 - 1996	American Heart Association Established Investigatorship Award
1994	Lions Club Cancer Researcher Award, Purdue University
1996	Selected "One of the Top Ten Teachers" in the School of Science, Purdue University
1997	Outstanding Teacher in the School of Science Award, Purdue University
1997	Howard Hughes Investigator Nominee
2002	Selected "One of the Top Ten Teachers" in the School of Science, Purdue University
2002	Elected member of Sigma Xi Scientific Research Society
2004	Charles B. Murphy Award for Outstanding Undergraduate Teaching
2004, 2005	Purdue University Seed for Success Award
2005	Inducted into Purdue's Teaching Academy
2008	Inductee in Purdue University's Book of Great Teachers
2008, 2010	Purdue University Seed for Success Award
2013, 2014, 2017	Purdue University Seed for Success Award
2014	Purdue University College of Science Graduate Student Mentoring Award
2014	J. Alfred and Martha Chiscon Award for Outstanding Undergraduate Teaching
2014	Fellow, AAAS (American Association for the Advancement of Science)
2016	Department of Biological Sciences Leadership Award
2016	Favorite Faculty Nominee
2017	Purdue University Seed for Success Award *[for Notch in Liposarcoma]*
2018	Sigma Xi Faculty Research Award

MAJOR RESEARCH SUPPORT (PAST AND CURRENT AWARDS)

7/86 - 6/89	NSF DCB-8516043 "DNA Sequences Regulating Muscle Gene Expression" $198,800
6/89 - 5/92	NSF DCB-8903515 "The Effect of Ras Oncogenes on Muscle Development" $275,000
8/88 - 7/93	NIH R29 HD24489 "Isolation and Characterization of Lineage-Specific Genes" $502,703
7/89 - 6/94	NIH R01 HD25518 "Regulatory Elements Controlling Troponin I Expression" $991,770

7/91 - 6/96	American Heart Association Established Investigator Award 91001030 "Characterization of the Muscle Regulatory Factor MRF4" $222,425
1/94 - 12/96	Muscular Dystrophy Association "Regulation of MRF4 Gene Expression" $162,690
8/93 - 7/97	NIH R01 AR41115 "Functional Analysis of MRF4 Activity During Myogenesis" $1,100,771
7/95 - 6/98	American Heart Association "Isolation and Characterization of Cardiac-Specific Basic Helix-Loop-Helix Proteins" $131,000
7/97 - 6/00	Muscular Dystrophy Association "Regulation of MRF4 Gene Expression" $165,000
8/97 - 7/02	NIH R01 AR41115 "Transcriptional Circuits Controlling Myogenesis" $1,384,739
3/01 - 2/05	NIH R01 DK54489 "Pancreas Transcription Factors and Disease Model Systems" $1,389,757
1/07 - 12/07	The Lustgarten Foundation for Pancreatic Cancer Research "Mist1^{KrasG12D} Generated Pancreatic Cancer" $100,000
7/06 - 6/08	Phi Beta Psi Sorority "Identification of Cell Lineages in Pancreatic Ductal Adenocarcinoma Progression" $112,000
3/05 - 2/09	DoD BC043093 "Identification of Mist1 as a Key Transcription Factor Controlling Mammary Epithelial Cell Growth" $436,629
3/05 - 2/10	NIH R01 DK55489 "Pancreas Transcription Factors and Disease Model Systems" $1,736,782
7/10 - 6/12	Phi Beta Psi Sorority "The Importance of Rnd2 to Pancreatic Cancer Initiation and Progression" $112,000
7/08 - 6/13	NIH R01 CA124586 "Kras-Induced Cellular Plasticity in Pancreatic Cancer" $1,563,935
3/10 - 2/14	NIH R01 DK55489 "Pancreas Transcription Factors and Disease Model Systems" $1,311,316
7/11 - 6/20	NIH 5P30CA023168 "Transgenic Mouse" $551,545
7/13 - 6/19	NIH R01 CA124586 "Kras-Induced Cellular Plasticity in Pancreatic Cancer" $1,906,930
3/14 - 2/19	NIH R01 DK55489 "Pancreas Transcription Factors and Disease Model Systems" $1,841,895
6/17 - 5/22	NIH R01 CA212609 "Notch Signaling in Liposarcoma" (S. Kuang, PI) $1,772,815
6/17 - 5/22	NIH R01 CA211098 "Thrombin-Dependent Mechanisms of Pancreatic Ductal Adenocarcinoma Disease" $2,198,768
7/18 - 6/23	NIH U01 HL143403-01 “Targeting the Plasminogen Activation System to Limit Pancreatic Cancer Progression and Associated Thrombosis” (M. Flick, PI) $3,933,462

TOTAL CAREER GRANT SUPPORT (major grants only) - $24,102,750

CURRENT RESEARCH GROUP

Judy Hallett	Transgenic Facility Manager
Yi Yang	Ph.D. Candidate
Patrick Schweickert	Ph.D. Candidate
Barbara Damsz	Postdoc
Sarah Moser	Technician/Lab Manager
Rachel Brokovich	Technician
Erin Paul	Undergraduate Student
Sarah Brokovich	Undergraduate Student
Emily White	Undergraduate Student

PAST TRAINEES

PH.D. CANDIDATES

1986 - 1992	Katherine Yutzey
1987 - 1991	Simon Rhodes
1987 - 1992	Haishin Lin
1989 - 1995	Kam-Leung Mak
1990 - 1996	Robert To
1992 - 1996	Yangfeng Kong
1996 - 2000	Matthew Flick
1997 - 2003	Michael Rukstalis
2000 - 2006	Thai Tran
2000 - 2006	Liqin Zhu
2002 - 2008	Di Jia
2004 - 2010	Guanglu Shi
2004 - 2010	Yan Sun
2006 - 2012	Dan DiRenzo
2007 - 2013	Dave Hess
2009 - 2016	Anju Karki
2011 - 2017	Brad Jakubison

UNDERGRADUATE RESEARCHERS (H, HONORS THESIS)

1995 - 1997	Amy (Brown) Ludolph (H)
1995 - 1997	Scott Brown (H)
1999 - 2003	Erica Gerace (H)
2001 - 2005	Tracy Chow (H)
2002 - 2006	Joseph Lach (H)
2006 - 2009	Brett Marshall (H)
2007 - 2010	Tyler Louviere
2010 - 2012	Elizabeth Ryzak (H)
2011 - 2012	Anne Venderley
2012 summer	Edhiz Siraliev-Pérez (SROP)
2011 - 2013	Callie Burgin
2012 - 2015	Rebecca Houser
2012 - 2014	Jordan Abbate
2012 - 2015	Paul Park
2013 - 2016	Ellie Fernander (H)
2013 - 2017	Rebecca Steele (H)
2015 - 2017	Katie Strelau (H)
2015 - 2017	Mallory Clayton
2015 - present	Erin Paul (H)
2016 - present	Sarah Brokovich (H)
2016 - 2017	Vanessa Bahk
2017 - present	Emily White (H)

M.S. CANDIDATES

1996 - 1999	Rosa Carrassco
1997 - 2000	Jeffrey Wyzykowski
2000 - 2002	Therry Winata
2003 - 2006	Carina Johansson
2010 - 2012	Darci Barney

POSTDOCTORAL ASSOCIATES

1987 - 1989	Paul Marie Honhon
1989 - 1992	Timothy Hinterberger
1991 - 1992	Serge Hardy
1992 - 1994	Padma Naidu
1993 - 1996	Claudie Lemercier
1993 - 1997	Sally Johnson
1994 - 1995	David Ludolph
1995 - 1997	Kathy Wojtas
1995 - 2000	Christopher Pin
1996 - 2000	Art Kudla
1998 - 2000	Shuen Lo
1998 - 2003	Natalia Mitin

2000 - 2001	Matthew Flick
2001 - 2004	Yan Zhao
2006 - 2006	Liqin Zhu
2006 - 2008	Jeff Ishibashi
2008 - 2011	Sean Humphrey
2010 - 2013	Chunjing Qu
2013 - 2016	Dave Hess

TEACHING RESPONSIBILITIES (RECURRING ONLY)

Department of Biological Sciences

1988 - present	Biology 415, Introduction to Molecular Biology
1996 - 2012	Biology 442, Laboratory in Animal Cell Culture
1986 - 2015	Biology 696, Cell, Molecular and Developmental Biology Qualifier Exam
1989, 1994,	Biology 695K, Graduate Student seminar course
2009, 2015	Biology 696, Graduate Student seminar course

SERVICE

Department of Biological Sciences

1986 - 2009	Cell, Molecular and Developmental Biology Area Committee
1986 - 1989	Student Admissions and Appointments Committee
1987 - 1992	Graduate and Advanced Studies Committee
1987 - 1988	Developmental Biology Faculty Search Committee
1989 - 1990	Neurobiology Faculty Search Committee
1994 - 2002	Purchasing and Stores Committee (Convener)
1994 - 2000	Department Biological Sciences Seminar Series Organizer
1994 - 1995	Developmental Neurobiologist Faculty Search Committee
1994 - 1999	Lilly Procurement Project Committee
1999 - 2000	Cancer Biology Search Committee (Convener)
2000 - 2001	Department Head Search Committee
2002 - 2003	Department of Biological Sciences Strategic Plan Committee
2002 - 2009	Graduate and Advanced Studies Committee
2002 - 2006	Graduate and Advanced Studies (Convener)
2002 - 2007	Animal Facility Committee
2002 - 2005	Faculty Council
2003 - 2004	Department Head Search Committee
2003 - 2004	Developmental Biology Faculty Search Committee
2004 - 2005	Department Head Search Committee
2005 - 2006	Animal Developmental Biology Search Committee
2006 - 2008	Chemical and Biological Safety Committee
2006 - 2007	Cancer Cell Biology Search Committee
2007 - 2013	Animal Facility Oversight Committee (Convener)
2009 - 2010	Structural Biology Faculty Search Committee
2010 - 2011	PCCR TMCF Director Search Committee (Convener)
2010 - 2012	Facilities and Operations Committee
2010 - present	Cancer Table Executive Committee
2010 - present	Development and Disease Cluster Committee
2012 - 2013	Cancer Epigenetics Search Committee (Convener)
2012 - present	University Recognition of Faculty and Alumni Committee
2013 - present	Chemical and Biological Safety Committee
2014 - present	Showalter Trust Grant Competition Review Committee (Convener)
2015 - present	Center for Structural Biology Organizing Committee
2015 - 2016	Head, Biological Sciences Search Committee

University

1986 - present	Member, Purdue Center for Cancer Research
1986 - present	Purdue Center for Cancer Research Core Facilities Committee
1987 - 1989	University Faculty Grievance Committee
1987 - 1990	School of Science Faculty Council
1987 - 2006	Member, Purdue University Biochemistry and Molecular Biology Program
1989 - 1993	University Educational Policy Committee
1989 - 1999	Executive Committee, Pharmacology and Toxicology Training Grant
1990 - 1995	Purdue Center for Cancer Research Small Grants Review Committee
1992 - 1995	Executive Committee, Molecular Signaling Program Training Grant
1997 - present	Director, Transgenic Mouse Core Facility, Center for Cancer Research
1998 - 2001	Elected Member, School of Science Faculty Council
1998 - 2000	School of Science Educational Policy & Curriculum Committee
1999 - 2002	School of Science Grievance Committee
1999 - 2002	School of Science Faculty Affairs Committee
2000 - 2001	School of Science Educational Policy & Curriculum Committee
2000 - 2001	Secretary, School of Science Faculty Council
2001 - 2002	Search Committee, Biochemistry Department
2002 - 2004	School of Science Grievance Hearing Committee
2002 - 2006	Life Sciences Mall Planning Committee
2002 - 2006	SVM Histology Core Planning Committee
2004 - present	Member, Purdue University Life Sciences (PULSe) Graduate Program
2005	Charles Murphy Teaching Award University Selection Committee
2005 - 2008	College of Science Grievance Hearing Committee
2007 - 2009	College of Science Faculty Promotion Committee
2008 - 2009	Animal Vivarium Planning Committee
2009	University Murphy Teaching Award Selection Committee
2010 - present	Director, Indiana Clinical and Translational Sciences Institute (CTSI) Transgenic Mouse Core Facility
2010 - 2013	Senator, University Senate (CoS elected member)
2010 - 2013	University Student Affairs Committee
2011, 2012	University Murphy Teaching Award Selection Committee
2013 - present	Laboratory Animal Facility Advisory Committee
2013 - 2015	College of Science Area Promotions Committee
2014 - 2017	College of Science Faculty Council
2014 - present	Faculty Fellow, University Residential Life, Wiley Hall
2015	CoS Outstanding Graduate Mentor Award Selection Committee
2015	Chief Scientist and Executive Director of Discovery Park Search Committee
2015	Organizer, Life Sciences Postdoc Initiatives
2015 - 2016	Secretary, College of Science Faculty Council
2016 - present	EVPRP Animal Resource Committee
2017 - present	College of Science Master Space Plan Committee
2017 - present	STEM Teaching Lab Plan Committee

Outreach

2002 - 2005	Senior Mentor BRIN Minority Program (Graciela Unguez, NMSU)
2006	Stem Cell Workshop Presentation, Purdue University
2007	Stem Cell Workshop Presentation, Pugwash Society, Purdue University
2014 - 2016	Faculty Fellow, University Residential Life, Wiley Hall

SELECTED INVITED ORAL PRESENTATIONS

INSTITUTIONS

2007	Ohio State University, Columbus, OH
2007	University of Virginia, Charlottesville, VA
2008	University Western Ontario, London, Ontario, Canada
2009	Indiana University School of Medicine, Indianapolis, IN
2009	Washington University, Saint Louis, MO
2010	Indiana University School of Medicine, Indianapolis, IN
2011	University of Cincinnati College of Medicine, Cincinnati, OH
2012	University of Virginia, Charlottesville, VA
2013	Stowers Institute for Medical Research, Kansas, City, MO
2016	Ohio State University, Columbus, OH

CONFERENCES

2005	Pathology of Mouse Models for Human Disease, Jackson Laboratory, Bar Harbor, ME
2006	Cloning and Stem Cell Workshop, Purdue University, West Lafayette, IN
2007	Pancreatic Cancer 2007 - Stem Cells in the Pancreas and Pancreatic Cancer, Chicago, IL
2007	Stem Cells and Society, Pugwash Society, Purdue University, West Lafayette, IN
2010	2010 Cancer Research Day Symposium, Indiana School of Medicine, Indianapolis, IN
2010	41st Annual Meeting of the American Pancreatic Association, Chicago, IL
2011	10th Annual Pathology of Mouse Models for Human Disease, Indianapolis, IN
2011	Phi Beta Psi Cancer Sorority Convention, Keynote Speaker, Indianapolis, IN
2014	American Gastroenterological Association International Conference, Chicago, IL
2014	AACR, Pancreatic Cancer Conference, New Orleans, LA
2015	Keynote Speaker - IUSCC Tumor Microenvironment and Metastases Research Conference, Indianapolis, IN
2016	International Conference on Pancreatic Disorders and Treatment, Chicago, IL
2017	Gordon Research Conference on Salivary Glands and Exocrine Biology, Galveston, TX

PUBLICATIONS

1. Dexter, D. L., Konieczny, S. F., Lawrence, J. B., Shaffer, M., Mitchell, P. and J. R. Coleman (1981) Induction by butyrate of differentiated properties in cloned murine rhabdomyosarcoma cells. *Differentiation* 18:115-122.

2. Konieczny, S. F., McKay, J. and J. R. Coleman (1982) Isolation and characterization of terminally differentiated chicken and rat skeletal muscle myoblasts. *Dev. Biol.* 91:11-26.

3. Lawrence, J. B., Konieczny, S. F., Shaffer, M., Coleman, A. W. and J. R. Coleman (1982) Analysis of myogenesis by somatic cell hybridization: I. Myogenic competence of homotypic hybrids derived from rat L6 myoblasts. *Exp. Cell Res*. 142:261-272.

4. Konieczny, S. F. and J. R. Coleman (1982) Analysis of the expression of chicken and rat gene products in myoblast x myoblast cell hybrids. *Exp. Cell Res.* 142:247-260.

5. Konieczny, S. F. and J. R. Coleman (1983) Analysis of myogenesis by somatic cell hybridization: III. Myogenic competence of hybrids derived from rat L6 myoblasts and mouse primary fibroblasts and myoblasts. *Somatic Cell Genetics* 9:25-42.

6. Konieczny, S. F., Lawrence, J. B. and J. R. Coleman (1983) Analysis of muscle protein expression in polyethylene glycol-induced chicken:rat myoblast heterokaryons. *J. Cell Biol.* 97:1348-1355.

7. Konieczny, S. F., and C. P. Emerson, Jr. (1984) 5-azacytidine induction of stable mesodermal stem cell lineages from 10T1/2 cells: Evidence for regulatory genes controlling determination. *Cell* 38:791-800.

8. Konieczny, S. F., and C. P. Emerson, Jr. (1985) Differentiation not determination, regulates muscle gene activation: Transfection of troponin I genes into multipotential and muscle lineages of 10T1/2 cells. *Mol. Cell Biol*. 5:2423-2432.

9. Konieczny, S. F., Baldwin, A. S. and C. P. Emerson, Jr. (1986) Myogenic determination and differentiation of 10T1/2 cell lineages: Evidence for a simple genetic regulatory system. pp 21-34, In Molecular Biology of Muscle Development, C. Emerson, D. Fischman, B. Nadal-Ginard and M.A.Q. Siddiqui, eds. Alan R. Liss, Inc. New York.

10. Konieczny, S. F. and C. P. Emerson, Jr. (1987) Complex regulation of the muscle-specific contractile protein (troponin I) gene. *Mol. Cell Biol.* 7:3065-3075.

11. Pinney, D. F., Pearson-White, S. H., Konieczny, S. F., Latham, K. E. and C. P. Emerson, Jr. (1988) Myogenic lineage determination: Evidence for a regulatory gene pathway. *Cell* 53:781-793.

12. Bucher, E. A., Maisonpierre, P. C., Konieczny, S. F. and C. P. Emerson, Jr. (1988) Expression of the troponin complex genes: transcriptional coactivation during myoblast differentiation and independent control in heart and skeletal muscles. *Mol. Cell Biol.* 8:4134-4142.

13. Pinney, D. F., Pearson-White, S. H., Konieczny, S. F., Latham, K. E. and C. P. Emerson, Jr. (1989) Evidence for a regulatory gene pathway of myogenic determination and differentiation. pp 67-74, In Cellular and Molecular Biology of Muscle Development, L. H. Kedes and F. E. Stockdale, eds. Alan R. Liss, Inc. New York.

14. Yutzey, K. E., Kline, R. L and S. F. Konieczny (1989) An internal regulatory element controls troponin I gene expression. *Mol. Cell Biol.* 9:1397-1405.

15. Konieczny, S. F., Drobes, B. L. Menke, S. L. and E. J. Taparowsky (1989) Inhibition of myogenic differentiation by the H-*ras* oncogene is associated with the down regulation of the MyoD1 gene. *Oncogene* 4:473-481.

16. Vaidya, T., Rhodes, S. J., Taparowsky, E. J. and S. F. Konieczny (1989) Fibroblast growth factor and transforming growth factor-□ repress expression of the myogenic regulatory gene MyoD1. *Mol. Cell Biol.* 9:3576-3579.

17. Rhodes, S. J. and S. F. Konieczny (1989) Identification of MRF4: A new member of the muscle regulatory factor gene family. *Genes and Development* 3:2050-2061.

18. Yutzey, K. E., Rhodes, S. J. and S. F. Konieczny (1990) Differential *trans*-activation associated with the muscle regulatory factors MyoD1, myogenin and MRF4. *Mol. Cell. Biol.* 10:3934-3944.

19. Enkemann, S. A., Konieczny, S. F. and E. J. Taparowsky (1990) Adenovirus 5 E1A represses muscle-specific enhancers and inhibits expression of the myogenic regulatory factor genes, MyoD1 and myogenin. *Cell Growth and Differentiation* 1:375-382.

20. Lin, H., Yutzey, K. E. and S. F. Konieczny (1991) Muscle-specific expression of the troponin I gene requires interactions between muscle regulatory and ubiquitous transcription factors. *Mol. Cell. Biol.* 11:267-280.

21. Hinterberger, T. J., Sassoon, D. A., Rhodes, S. J. and S. F. Konieczny (1991) Expression of the muscle regulatory factor MRF4 during somite and skeletal myofiber development. *Dev. Biol.* 147:144-156.

22. Konieczny, S. F. (1992) Functional properties associated with MRF4 and other members of the bHLH muscle regulatory factor family. In Neuromuscular Development and Disease. pp 29-44. A. M. Kelly and H. M. Blau, eds. Raven Press, New York.

23. Lin, H. and S. F. Konieczny (1992) Identification of MRF4, myogenin, and E12 oligomer complexes by chemical crosslinking and two-dimensional gel electrophoresis. *J. Biol. Chem.* 267:4773-4780.

24. Vaidya, T. B., Rhodes, S. J., Moore, J. L., Sherman, D. A., Konieczny, S. F. and E. J. Taparowsky (1992) Isolation and structural analysis of the rat MyoD gene. *Gene.* 116:223-230.

25. Epstein, H. F., Fischman, D. A., Bader, D., Changeux, J. P., Buckhold, K., Ordahl, C. P., Hoffman, E., Kedes, L. H., Konieczny, S. F., and L.A. Leinwand (1992) Myoblast Therapy. *Science* 257:73.

26. Hinterberger, T. J., Mays, J. L. and S. F. Konieczny (1992) Structure and myofiber-specific expression of the rat muscle regulatory gene MRF4. *Gene.* 117:201-207.

27. Mak, K.-L., To, R. Q., Kong, Y. and S. F. Konieczny (1992) The MRF4 activation domain is required to induce muscle-specific gene expression. *Mol. Cell Biol.* 12:4334-4346.

28. Yutzey, K. E. and S. F. Konieczny (1992) Different E-box regulatory sequences are functionally distinct when placed within the context of the troponin I enhancer. *Nucleic Acids Research.* 20:5105-5113.

29. Smith, T. H., Block, N. E., Rhodes, S. J., Konieczny, S. F. and J. B. Miller (1993) A unique pattern of expression of the four muscle regulatory factor proteins distinguishes somitic from embryonic, fetal and newborn mouse myogenic cells. *Development.* 117:1125-1133.

30. Hardy, S., Kong, Y. and S. F. Konieczny (1993) FGF inhibits MRF4 activity independent of the phosphorylation status of a conserved threonine residue within the DNA-binding domain. *Mol. Cell Biol.* 13:5943-5956.

31. Voytik, S. L., Przyborski, M., Badylak, S. F. and S. F. Konieczny (1993) Differential expression of muscle regulatory factor genes in normal and denervated adult rat hindlimb muscles. *Dev. Dyn.* 198:214-224.

32. Naidu, P. S., Ludolph, D. C., To, R. Q., Hinterberger, T. J. and S. F. Konieczny (1995) Myogenin and MEF2 function synergistically to activate the MRF4 promoter during myogenesis. *Mol. Cell Biol.* 15:2707-2718.

33. Ludolph, D. C. and S. F. Konieczny (1995) Transcription factor families: Muscling in on the myogenic program. *FASEB J.* 9:1595-1604.

34. Kong, Y., Johnson S. E., Taparowsky, E. J. and S. F. Konieczny (1995) Ras $p21^{val}$ inhibits myogenesis without altering the DNA binding or transcriptional activities of the muscle regulatory factors. *Mol. Cell. Biol.* 15:5205-5213.

35. Mak, K.-L., Longcor, L. C., Johnson, S. E., Lemercier, C., To, R. and S. F. Konieczny (1996) Examination of mammalian basic helix-loop-helix transcription factors using a yeast one-hybrid system. *DNA and Cell Biology* 15:1-8.

36. Johnson, S. E., Wang, X., Hardy, S., Taparowsky, E. J. and S. F. Konieczny (1996) Casein kinase II increases the transcriptional activities of MRF4 and MyoD independently of their direct phosphorylation. *Mol. Cell. Biol.* 16:1604-1613.

37. Pin, C. L., Ludolph, D. C., Cooper, S., Klocke, B. J., Merlie, J. P. and S.F. Konieczny (1997) Distal regulatory elements control MRF4 gene expression in early and late myogenic cell populations. *Dev. Dyn.* 208:299-312.

38. Lemercier, C., To, R. Q., Swanson, B. J., Lyons, G. E. and S. F. Konieczny (1997) Mist1: A novel basic helix-loop-helix transcription factor exhibits a developmentally regulated expression pattern. *Dev. Biol.* 182: 101-113.

39. Ramocki, M. B., Johnson, S. E., White, M. A., Ashendel, C. L., Konieczny, S. F. and E. J. Taparowsky (1997) Signaling through MAP kinase and Rac/Rho does not duplicate the effects of activated Ras on skeletal myogenesis. *Mol. Cell Biol.* 17:3547-3555.

40. Kong, Y., Flick, M. J., Kudla, A. J. and S. F. Konieczny (1997) Muscle LIM protein promotes myogenesis by enhancing the activity of MyoD. *Mol. Cell Biol.* 17: 4750-4760.

41. Lemercier, C., To, R. Q., Carrasco, R. A. and S. F. Konieczny (1998) The basic helix-loop-helix transcription factor Mist1 functions as a transcriptional repressor of MyoD. *EMBO J.* 17: 1412-1422.

42. Ramocki, M. B., White, M. A., Konieczny, S. F. and E. J. Taparowsky (1998) A role for RalGDS and a novel Ras effector in the Ras-mediated inhibition of skeletal myogenesis. *J. Biol. Chem.* 273: 17696-17701.

43. Pin, C.L., Lemercier, C. and S.F. Konieczny (1999) Cloning of the murine *Mist1* gene and assignment to mouse chromosome band 5G2-5G3. *Cytogenetics and Cell Genetics.* 86: 219-222.

44. Pin, C.L., Bonvissuto, A.C. and S.F. Konieczny (2000) Mist1 expression is a common link among serous exocrine cells exhibiting regulated exocytosis. *Anat. Record*. 259: 157 -167.

45. Flick, M.J. and S.F. Konieczny (2000) The muscle regulatory and structural protein MLP is a cytoskeletal binding partner of □□-spectrin. *J Cell Science.* 113: 1553-1564.

46. Peña, T.L., Chen, S.H., Konieczny, S.F. and S.G. Rane (2000) Ras/MEK/ERK upregulation of the fibroblast K_{Ca} channel FIK is a common mechanism for bFGF and TGF-β suppression of myogenesis. *J. Biol. Chem.* 275: 13677-13682.

47. Mitin, N., Ramocki, M.B., Konieczny, S.F. and E.J. Taparowsky (2001) Ras regulation of skeletal muscle differentiation and gene expression. In Methods of Enzymology, Regulation and Effectors of Small GTPases, 333: 232-247, C. Der, Editor, Academic Press.

48. Mitin, N., Kudla, A.J., Konieczny, S.F. and E.J. Taparowsky (2001) Signaling through NFκB is not required for Ras-induced inhibition of skeletal muscle differentiation. *Oncogene* 20: 1276-1286.

49. Pin, C.L., Rukstalis, J.M., Johnson, C. and S.F. Konieczny (2001) The bHLH transcription factor Mist1 is required to maintain exocrine pancreas cell organization and acinar cell identity. *J. Cell Biol.* 155: 519-530.

50. Flick, M.J. and S.F. Konieczny (2002) Identification of putative mammalian D-lactate dehydrogenase enzymes. *BBRC* 295: 910-916.

51. Pin, C.L. and S.F. Konieczny (2002) A fast fiber enhancer exists in the Muscle Regulatory Factor 4 gene promoter. *BBRC* 299: 7-13.

52. Wyzykowski, J.C., Winata, T.I., Mitin, N., Taparowsky, E.J. and S.F. Konieczny (2002) Identification of novel MyoD gene targets in proliferating myogenic stem cells. *Mol. Cell. Biol.* 22: 6199-6208.

53. Rukstalis, J.M., Kowalik, A., Zhu, L., Lidington, D., Pin, C.L., and S.F. Konieczny (2003) Exocrine specific expression of connexin32 is dependent on the basic helix-loop-helix transcription factor Mist1. *J. Cell Science* 116: 3315-3325.

54. Zhu, L., Tran, T., Rukstalis, J.M., Sun, P., Damsz, B. and S.F. Konieczny (2004) Inhibition of Mist1 homodimer formation induces pancreatic acinar-to-ductal metaplasia. *Mol. Cell Biol.* 24: 2673-2681.

55. Mitin, N.Y., Ramocki, M.B., Zullo, A.J., Der, C.J., Konieczny, S.F. and E.T. Taparowsky (2004) Identification and characterization of rain, a novel Ras-interacting protein with a unique subcellular localization. *J. Biol. Chem.* 279: 22353-22361.

56. Luo, X., Shin, D.M., Wang, X., Konieczny, S.F. and S. Muallem (2005) Aberrant localization of intracellular organelles, Ca^{2+} signaling and exocytosis in Mist1 Null Mice. *J. Biol. Chem.* 280: 12688-12675.

57. Tuveson, D.A., Zhu, L., Gopinathan, A., Willis, N.A., Kachatrian, L., Grochow, R., Pin, C.L., Mitin, N.Y., Taparowsky, E.J., Gimotty, P.A., Hruban, R.H., Jacks, T. and Konieczny, S.F. (2006) Mist1-$Kras^{G12D}$ knock-in mice develop mixed differentiation metastatic exocrine pancreatic carcinoma and hepatocellular carcinoma. *Cancer Research* 66: 242-247.

58. Mitin, N., Konieczny, S.F. and Taparowsky, E.T. (2006) Ras and the RAIN/RasIP1 effector. In *Methods of Enzymology*, 407: 322-335.

59. Konieczny, S.F. Mist1. *AfCS-Nature Molecule Pages* (2006) (doi:10.1038/mp.a003676.01).

60. Zhao, Y., Johansson, C., Tran*, T., Bettencourt, R., Itahana, Y., Desprez, P.-Y. and Konieczny, S.F. (2006) Identification of a bHLH transcription factor expressed in mammary gland alveolar cells and required for maintenance of the differentiated state. *Mol. Endocrinology* 20: 2187-2198.

61. Ramsey, V.G., Doherty, J.M., Chen, C.C., Stappenbeck, T.S., Konieczny, S.F. and Mills, J.C. (2007) The maturation of mucus-secreting gastric epithelial progenitors into digestive-enzyme secreting zymogenic cells requires *Mist1*. *Development* 134: 211-222.

62. Tran, T., Jia, D., Sun, Y. and Konieczny, S.F. (2007) The bHLH domain of Mist1 is sufficient to activate gene transcription. *Gene Expression* 13: 241-253.

63. Zhu, L., Shi, G., Schmidt, C.M., Hruban, R.H. and Konieczny, S.F. (2007) Acinar cells contribute to the molecular heterogeneity of pancreatic intraepithelial neoplasia. *Amer. J. Pathology* 171: 263-273.

64. Konieczny, S.F. and Leach, S.D. (2007) Metaplastic metamorphoses in the mammalian pancreas. *Gastroenterology* 133: 2056-2059.

65. Nozaki, K., Ogawa, M., Williams, J.A., Lafleur, B.J., Ng, V., Drapkin, R.I., Mills, J.C., Konieczny, S.F., Nomura, S., and Goldenring, J.R. (2008) A molecular signature of gastric metaplasia arising in response to acute parietal cell loss. *Gastroenterology* 134: 511-522.

66. Rovira, M., Delaspre, F., Massumi, M., Serra, S.A., Valverde, M.A., Lloreta, J., Dufresne, M., Payré, B., Konieczny, S.F., Savatier, P., Real, F.X., and Skoudy, A. (2008) Murine ES-derived pancreatic acinar cells recapitulate early stages of cell differentiation. *Gastroenterology* 135: 1301-1310.

67. Jia, D., Sun, Y., and Konieczny, S.F. (2008) Mist1 regulates pancreatic acinar cell proliferation through $p21^{CIP1/WAF1}$. *Gastroenterology* 135: 1687-1697.

68. Habbe, N., Shi, G., Meguid, R.A., Fendrich, V., Esni, F., Chen, H., Feldmann, G., Stoffers, D.A., Konieczny, S.F., Leach, S.D., and Maitra, A. (2008) Spontaneous induction of murine pancreatic intraepithelial neoplasia (mPanIN) by acinar cell targeting of oncogenic Kras in adult mice. *Proc. Natl. Acad. Sci.* 105: 18913-18918.

69. Sharma, R., Lee, J.S., Bettencourt, R.C., Xiao, C., Konieczny, S.F. and Won, Y.-Y. (2008) Effects of the incorporation of a hydrophobic middle block into a PEG-polycation diblock copolymer on the physicochemical and cell interaction properties of the polymer-DNA complexes. *Biomacromolecules* 9: 3294-3307.

70. Shi, G., Zhu, L., Sun, Y., Bettencourt, R., Damsz, B., Hruban, R.H. and Konieczny, S.F. (2009) Loss of the acinar-restricted transcription factor Mist1 accelerates Kras-induced pancreatic intraepithelial neoplasia. *Gastroenterology* 136: 1368-1378.

71. Won, Y.-Y., Sharma, R. and Konieczny, S.F. (2009) Missing pieces in understanding the intracellular trafficking of polycation/DNA complexes. *J. Controlled Release* 139: 88-93.

72. Garside, V.C., Kowalik, A., Johnson, C., DiRenzo, D., Konieczny, S.F. and Pin, C.L. (2010) MIST1 regulates the pancreatic acinar cell expression of *Atp2c2*, the gene encoding Secretory Pathway Calcium ATPase 2. *Exp. Cell Res.* 316: 2859-2870.

73. Huh, W.J., Esen, E., Bredemeyer, A.J., Geahlen, J., Lee, A.-H., Shi, G., Konieczny, S.F., Glimcher, L.H. and Mills, J.C. (2010) XBP1 controls maturation of gastric zymogenic cells by induction of MIST1 and expansion of the rough endoplasmic reticulum. *Gastroenterology* 139:2038-2049.

74. Nam, K.T., Lee, H.J.,Sousa, J.F., Weis, V.G., O'Neal, R.L., Finke, P.E., Romero-Gallo, J., Shi, G., Mills, J.C., Peek, R.M., Konieczny, S.F. and Goldenring, J.R. (2010) Mature chief cells are cryptic progenitors for metaplasia in the stomach. *Gastroenterology* 139:2028-2037.

75. Coon, B.G., DiRenzo, D.M., Konieczny, S.F. and Aguilar, R.C. (2011) Epsins' novel role in cancer cell invasion. *Comm. & Integrative Biology* 4:95-97.

76. Gary, D.J., Lee, H., Sharma, R., Lee, J-S, Kim, Y., Cui, Z.Y., Zheng Y., Jia, D., Bowman, V.D., Chipman, P.R., Wan, L., Zou, Y., Mao, G., Park, K., Herbert, B-S, Konieczny, S.F., Won, Y-Y (2011) The influence of nano-carrier architecture on in vitro siRNA delivery performance and in vivo biodistribution: polyplexes vs. micelleplexes. *ACA Nano* 5:3493-3505.

77. Hess, D.A., Humphrey, S.E., Ishibashi, J., Damsz, B., Lee, A.-H., Glimcher, L.H. and Konieczny, S.F. (2011) Extensive pancreas regeneration following acinar-specific disruption of Xbp1 in mice. *Gastroenterology* 141:1463-1472.

78. Liu, X.S., Song, B., Elzey, B., Ratliff, T.L., Konieczny, S.F., Cheng, L., Ahmad, N. and Liu, X. (2011) Polo-like kinase 1 facilitates loss of PTEN-induced prostate cancer formation. *J. Biol. Chem.* 286:35795-35800.

79. Prévot, P.-P., Simion, A., Grimont, A., Colletti, M., Khalaileh, A., Van den Steen, G., Sempoux, C., Xu, X., Roelants, V., Hald, J., Bertrand, L., Heimberg, H., Konieczny, S.F., Dor, Y., Lemaigre, F.P. and Jacquemin, P. (2012) Role of the ductal transcription factors HNF6 and Sox9 in pancreatic acinar-to-ductal metaplasia. *Gut* 61:1723-1732.

80. Godby, R.C., van den Berg, Y.W., Srinivasan, R., Sturm, R., Hui, D., Konieczny, S.F., Aronow, B.J., Ozhegov, E., Versteeg, H.H. and Bogdanov, V.Y. (2012) Non-proteolytic properties of murine alternatively spliced tissue factor: implications for integrin-mediated signaling in murine models. *Molecular Medicine* 18:771-779.

81. DiRenzo, D., Hess, D.A., Damsz, B., Hallett, J.E., Marshall, B., Goswami, C., Liu, Y., Deering, T., MacDonald, R.J. and Konieczny, S.F. (2012) Induced Mist1 expression promotes remodeling of mouse pancreatic acinar cells. *Gastroenterology* 143:469-480.

82. Qu, C. and Konieczny, S.F. (2013) Pancreatic acinar cell 3-dimensional culture. *Bio-protocol* 3(19): e930.

83. Shi, G., DiRenzo, D., Qu, C., Barney, D., Miley, D. and Konieczny, S.F. (2013) Maintenance of acinar cell organization is critical to preventing Kras-induced acinar-ductal metaplasia. *Oncogene* 32:1950-1958.

84. Song, B., Liu, X.S., Rice, S., Elzey, B.D., Konieczny, S.F., Ratliff, T., Hazbun, T., Chiorean, E.G. and Liu, X. (2013) Plk1 phosphorylation of Orc2 and Hbo1 contributes to gemcitabine resistance in pancreatic cancer. *Mol. Can. Therapeutics* 12:58-68.

85. Lee, H., Kim, Y., Schweickert, P.G., Konieczny, S.F. and Won, Y.-Y. (2014) A photo-degradable gene delivery system for enhanced nuclear gene transcription. *Biomaterials* 35:1040-1049.

86. Li, Z., Li, J., Bi, P., Lu, Y., Burcham, G., Elzey, B.D., Ratliff, T., Konieczny, S.F., Ahmad, N., Kuang, S. and Liu, X. (2014) Plk1 phosphorylation of PTEN causes a tumor-promoting metabolic state. *Mol. Cell. Biol.* 34:3642-3661.

87. Kim, S., Lahmy, R., Riha, C., Yang, C., Jakubison, B.L., van Niekertk, J., Staub, C., Wu, Y., Gates, K., Dong, D.S., Konieczny, S.F. and Itkin-Ansari, P. (2015) The basic helix-loop-helix transcription factor E47 reprograms human pancreatic cancer cells to a quiescent acinar state with reduced tumorigenic potential. *Pancreas* 44:718-727.

88. Aure M.H., Konieczny, S.F. and Ovitt, C.E. (2015) Salivary gland homeostasis is maintained through acinar cell self-duplication. *Dev. Cell* 33:231-237.

89. Zhou, Z., Yang, Y., Konieczny, S.F. and Irudayaraj, J.M. (2015) Rapid and unbiased extraction of chromatin associated RNAs from purified native chromatin. *Journal of Chromotography A* 1426:64-68.

90. Hayakawa, Y., Ariyama, H., Stancikova, J., Sakitani, K., Asfaha, S., Renz, B.W., Dubeykovskaya, Z.A., Shibata, W., Wang, H., Westphalen, C.B., Chen, X., Takemoto, Y., Kim, W., Khurana, S.S., Tailor, Y., Nagar, K., Tomita, H., Hara, A., Sepulveda, A.R., Setlik, W., Gershon, M.D., Saha, S., Ding, L., Shen, Z., Fox, J.G., Friedman, R.A., Konieczny, S.F., Worthley, D.L., Korinek, V. and Wang, T.C. (2015) Mist1 expressing gastric stem cells maintain the normal and neoplastic gastric epithelium and are supported by a perivascular stem cell niche. *Cancer Cell* 28:800-814.

91. Li, J., Karki, A., Hodges, K.B., Ahmad, N., Zoubeidi, A., Strebhardt, K., Ratliff, T.L., Konieczny, S.F., and Liu, X. (2015) Co-targeting Polo-like kinase 1(Plk1) and the Wnt/β-catenin signaling pathway in castration-resistant prostate cancer. *Mol. Cell Biol.* 35:4185-4198.

92. Karki, A., Humphrey, S.E., Steele, R.E., Hess, D.A., Taparowsky, E.J. and Konieczny, S.F. (2015) Silencing Mist1 gene expression is essential for recovery from acute pancreatitis. *PLoS ONE* 10(12): e0145724. doi:10.1371/journal.pone.0145724.

93. Han, B., Qu, C., Park, K., Konieczny, S.F. and Korc, M. (2016) Recapitulation of complex transport and action of drugs at the tumor microenvironment using tumor-microenvironment-on-chip. *Cancer Letters* 380:319-329.

94. Li, J., Wang, R., Schweickert, P.G., Karki, A., Yang, Y., Kong, Y., Ahmad, N., Konieczny, S.F. and Liu, X. (2016) Plk1 inhibition enhances the efficacy of gemcitabine in human pancreatic cancer. *Cell Cycle* 15:711-719.

95. Pitarresi, J.R., Liu, X., Sharma, S.M., Cuitiño, M.C., Kladney, R.D., Mace, T.A., Donohue, S., Nayak, S.G., Qu, C., Lee, J., Woelke, S.A., Trela, S., LaPak, K., Yu, L., McElroy, J., Rosol, T.J., Shakya, R., Ludwig, T., Lesinski, G.B., Fernandez, S.A., Konieczny, S.F., Leone, G., Wu, J., and Ostrowski, M.C. (2016) Stromal Ets2 regulates chemokine production and immune cell recruitment during acinar-to-ductal metaplasia. *Neoplasia* 18:541-52.

96. Li, J., Gu, D., Lee, S.-Y., Song, B., Bandyopadhyay, S., Chen, S., Konieczny, S.F., Ratliff, T.L., Liu, X. Xie, J. and Cheng, J.-X. (2016) Abrogating cholesterol esterification suppresses growth and metastasis of pancreatic cancer. *Oncogene* 35:6378-6388.

97. Bi, P., Yue, F., Karki, A., Castro, B., Wirbisky, S.E., Wang, C., Durkes, A., Elzey, B.D., Andrisani, O.M., Bidwell, A.C., Freeman, J.L., Konieczny, S.F., and Kuang, S. (2016) Notch activation drives adipocyte dedifferentiation and tumorigenic transformation in mice. *J. Exp. Med.* 213:2019-2037.

98. Liu, X., Pitarresi, J.R., Cuitiño, M.C., Kladney, R.D., Woelke, S.A., Schweickert, P.G., Yu, L., Trela, S., Schilling, D.J., Halloran, S.K., Li, M., Dutta, S., Fernandez, S.A., Rosol, T.J., Lesinski, G.B., Shakya, R., Ludwig, T., Konieczny, S.F., Leone, G., Wu, J., and Ostrowski, M.C. (2016) Genetic ablation of smoothened in pancreatic fibroblasts augments acinar-ductal metaplasia induced by oncogenic Kras. *Genes & Development* 30:1943-1955.

99. Jiang, M., Azevedo-Pouly, A., Deering, T.G., Hoang, C.Q., DiRenzo, D., Hess, D.A., Konieczny, S.F., Swift, G.H., and MacDonald, R.J. (2016) MIST1 and PTF1 collaborate in feed-forward regulatory loops that maintain the pancreatic acinar phenotype in adult mice. *Molecular Cellular Biology* 36:2945-2955.

100. Hess, D.A., Strelau, K.M., Karki, A., Jiang, M., Azevedo-Pouly, A.C., Lee, A-H, Deering, T.G., Hoang, C.Q., MacDonald, R.J., and Konieczny, S.F. (2016) MIST1 links secretion and stress as both target and regulator of the UPR. *Molecular Cellular Biology* 36:2931-2944.

101. Lo, H-Y G., Jin, R.U., Sibbel, G., Liu, D., Karki, A., Joens, M.S., Madison, B.B., Zhang, B., Blanc, V., Fitzpatrick, J.A.J., Davidson, N.O., Konieczny, S.F. and Mills, J.C. (2017) A single transcription factor is sufficient to induce and maintain secretory cell architecture. *Genes & Development* 31:154-171.

102. Sakitani, K., Hayakawa, Y., Deng, H., Ariyama1, H., Kinoshita, H., Konishi, M., Suzuki, N., Ihara, S., Niu, Z., Kim, W., Tanaka, T., Liu, H., Chen, X., Tailor, Y., Fox, J.G., Konieczny, S.F., Hirata, Y., Asfaha, S., Sepulveda, A.R., Koike, K. and Wang, T.C. (2017) CXCR4-expressing Mist1+ progenitors in the gastric antrum contribute to gastric cancer development. *Oncotarget* 8:111012-111025.

103. Jakubison, B.L., Schweickert, P.G., Moser, S.E., Yang, Y., Gao, H., Scully, K., Itkin-Ansari, P., Liu, Y., and Konieczny, S.F. (2018) Induced PTF1a expression in pancreatic ductal adenocarcinoma cells activates acinar gene networks, reduces tumorigenic properties, and sensitizes cells to gemcitabine treatment. *Molecular Oncology* 10.1002/1878-0261.12314.

104. Morman, R.E., Schweickert, P.G., Konieczny, S.F., and Taparowsky, E.J. (2018) BATF regulates the expression of Nfil3, Wnt10a and miR155hg for efficient induction of antibody class switch recombination in mice. *European Journal of Immunology* 48:1492-1505.

MANUSCRIPTS UNDER REVIEW

1. Pitarresi, J.R., Liu, X., Avendano, A.A., Sizemore, G.M., Thies, K.A., Hammer, A.M., Hildreth, B.E., Woelke, S.A., Donohue, S., Cuitiño, M.C., Kladney, R.D., Mace, T.A., Chang, J.J., Ennis, C.S., Li, H., Reeves, R., Blackshaw, S., Zhang, J., Yu, L., Fernandez, S.A., Frankel, W.L., Bloomston, M., Rosol, T.J., Lesinski, G.B., Konieczny, S.F., Guttridge, D.C., Rustgi, A.K., Leone, G., Song, J.W., Wu, J., and Ostrowski M.C. (2018) Hedgehog signaling disruption accelerates pancreatic tumor growth via fibroblast PTEN degradation. *J. Clinical Investigation* Submitted.

2. Shouksmith, A., Shah, F., Grimard, M., Gawel, J., Raouf, Y., Geletu, M., Berger-Becvar, A., de Araujo, E., Luchman, H., Heaton, W., Bakhshinyan, D., Adile, A., Venugopal, C., O'Hare, T., Deininger, M., Singh, S., Konieczny, S., Weiss, S., Fishel, M., and Gunning, P. (2018) Identification and characterization of AES-135, a potent HDAC inhibitor that prolongs survival in an orthotopic mouse model of pancreatic cancer. *Journal of Medicinal Chemistry* Submitted.

3. Noe-Kim, V., Qin, J., Moon, H.-R., Linnes, M., Yang, Y., Elzey, B.D., Konieczny, S.F., and Han, B. (2018) Characterization of subtype-specific invasiveness of ductal carcinoma in situ using an in vitro microfluidic tumor model. *APL Bioengineering* Submitted.

4. Yang, Y., Stang, A., Monia, B.P., Revenko, A.S., Palumbo, J.S., Konieczny, S.F., and Flick, M.J. (2018) The tissue factor-thrombin axis drives pancreatic ductal adenocarcinoma through tumor cell-derived PAR-1. Submitted.

5. Ozcelikkale, A., Moon, H-R, Yang, Y, Konieczny, S.F., Korc, M. and Han, B. (2018) Cancer associated fibroblast-induced genotype-specific gemcitabine resistance of murine pancreatic ductal adenocarcinoma. Submitted.