

P. Brett Kenney, Ph. D.  
West Virginia University

Davis College of Agriculture, Natural Resources, and Design  
Division of Animal and Nutritional Sciences

### Curriculum Vita

#### Education

1982	BS	West Virginia University Animal Science
1984	MS	Oklahoma State University Food Science
1990	Ph.D.	Kansas State University Animal Science (MeatScience)

#### Professional Experience

Aug. 2006 to present Professor; 50% research, 30% teaching, 20% service (Muscle Foods Lab Management; Division of Animal and Nutritional Sciences, West Virginia University.

Aug. 1999 to 2006 Associate Professor; 50% research, 30% teaching, 20% lab management; Division of Animal and Veterinary Sciences; West Virginia University.

Jan. 1993 to Aug. 1999: Assistant Professor; 50% research, 30% teaching, 20% lab management; Division of Animal and Veterinary Sciences; West Virginia University.

April 1991 to Jan. 1993: Post-doctoral research associate with Food Safety Consortium; Dept. of Animal Sciences and Industry; Kansas State University.

Aug. 1987 to Dec. 1990: Graduate research assistant; Dept. of Animal Science and Industry; Kansas State University.

Aug. 1985 to May 1987: Instructor of Animal Science (Meat Science); Division of Animal and Veterinary Sciences; West Virginia University.

Aug. 1982 to Dec. 1984: Graduate research assistant; Dept. of Animal Science; Oklahoma State University.

#### Professional and Honorary Memberships

Institute of Food Technologists  
Gamma Sigma Delta

#### Refereed Manuscript List (2006-18)

A. Ali, R. Al-Tobasei, B. Kenney, T.D. Leeds, and M. Salem, Integrated analysis of lncRNA and mRNA expression in rainbow trout families showing variation in muscle growth and fillet quality traits. *Sci Rep* 8 (2018) 12111.

Curtis C. Crouse, John W. Davidson, Christopher M. Good, Travis C. May, Steven T. Summerfelt, P. Brett Kenney, Timothy D. Leeds, and Beth M. Cleveland. 2018. Growth and fillet quality attributes of five genetic strains of rainbow trout (*Oncorhynchus mykiss*) reared in a partial water reuse system and harvested at different sizes. *Aqua. Research* 49(4):1672-1681.

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- John W. Davidson, P. Brett Kenney, Frederic T. Barrows, Christopher Good, and Steven T. Summerfelt. 2018. Fillet quality and processing attributes of postsmolt Atlantic Salmon, *Salmo salar*, fed a fishmeal-free diet and a fishmeal-based diet in recirculation aquaculture systems. *J. World Aqua. Society* 49(1):183-196.
- B. Paneru, A. Ali, R. Al-Tobasei, B. Kenney, and M. Salem, Crosstalk among lncRNAs, microRNAs and mRNAs in the muscle 'degradome' of rainbow trout. *Sci Rep* 8 (2018) 8416.
- M. Salem, R. Al-Tobasei, A. Ali, D. Lourenco, G. Gao, Y. Palti, B. Kenney, and T.D. Leeds, Genome-Wide Association Analysis With a 50K Transcribed Gene SNP-Chip Identifies QTL Affecting Muscle Yield in Rainbow Trout. *Frontiers in Genetics* 9 (2018).
- Cleveland, Beth M., Timothy D. Leeds, Caird E. Rexroad III, Steven T. Summerfelt, Christopher M. Good, John W. Davidson, Travis May, Curtis Crouse, William R. Wolters, Bryan Plemmons, and P. Brett Kenney. 2017. Genetic line by environment interaction on rainbow trout growth and processing traits. *North American J. of Aquaculture* 79:140-154.
- Davidson, J., P. Brett Kenney, Frederic T. Barrows, Christopher Good, and Steven T. Summerfelt. 2017. Fillet Quality and Processing Attributes of Postsmolt Atlantic Salmon, *Salmo salar*, Fed a Fishmeal-free Diet and a Fishmeal-based Diet in Recirculation Aquaculture Systems. *J World Aquacult. Soc.* doi:10.1111/jwas.12452.
- Al-Tobasei, R., Ali Ali, Timothy D. Leeds, Sixin Liu, Yniv Palti, Brett Kenney, and Mohamed Salem. 2017. Identification of SNPs associated with muscle yield and quality traits using allelic-imbalance analyses of pooled RNA-Seq samples in rainbow trout. *BMC Genomics* 18:582.
- Paneru, Bam Dev., R. Al-Tobasei, Brett Kenney, Timothy D. Leeds, and Mohamed Salem. 2017. RNA-Seq reveals MicroRNA expression signature and genetic polymorphism associated with growth and muscle quality traits in rainbow trout. *Scientific Reports* 7:9078. DOI:10.1038/s41598-017-09515-4.
- Dianelys Gonzalez-Pena, Guangtu Gao, Matthew Baranski, Thomas Moen, Beth M. Cleveland, P. Brett Kenney, Roger L. Vallejo, Yniv Palti, and Timothy Leeds. 2016. Genome-Wide Association Study for Identifying Loci that Affect Fillet Yield, Carcass, and Body Weight Traits in Rainbow Trout (*Oncorhynchus mykiss*). *Front Genet.* 7:
- Davidson, J., F. T. Barrows, P. Brett Kenney, Christopher Good, Karen Schroyer, and Steven T. Summerfelt. 2016. Effects of feeding a fishmeal-free versus a fishmeal-based diet on post-smolt Atlantic salmon *Salmo salar* performance, water quality, and waste production in recirculation aquaculture systems. *Aquacult. Eng.* 74:38-51

- Davidson, J., T. May, Christopher Good, Thomas Waldrop, Brett Kenney, Bendik Fyhn Terjesen, and Steven Summerfelt. 2016. Production of market-size North American strain salmon *Salmo salar* in a land-based recirculation aquaculture system using freshwater. *Aquacult Eng.* 74:1-16.
- Yassar, M. S., K. Johnson, P. S. Hong, H. Jing, D. Joanna, S. L. Foley, B. Kenney, S. Ricke, and R. Nayak. 2015. Molecular characterization of *Salmonella enterica* serovars isolated from a turkey production facility in the absence of selective antimicrobial pressure. *Foodborne Pathogens and Disease* 0:1.
- Weber, G. M., J. W. Davidson, P. B. Kenney, C. M. Good, M. L. Manor, C. Welsh, A. Aussanasuwannakul, and S. T. Summerfelt. 2015. Changes in sex steroids, growth hormone, and insulin-like growth factor-1 during ovarian development in rainbow trout cultured in a water recirculating system with continuous light. *N. Am. J. of Aquaculture* 77:186-194.
- Manor ML, GM Weber, BM Cleveland, J Yao, and PB Kenney. 2015. Expression of genes associated with fatty acid metabolism during maturation in diploid and triploid female rainbow trout. *Aquaculture* 435:178-186.
- Manor ML, BM Cleveland, GM Weber, and PB Kenney. 2015. Effects of sexual maturation and feeding level on fatty acid metabolism gene expression in muscle, liver, and visceral adipose tissue of diploid and triploid rainbow trout, *Oncorhynchus mykiss*. *Comp. Bioch. And Physiol. Part B: Bioch. And Molecular Biol.* 179:17-26.
- Good C, J Davidson, C Kinman, PB Kenney, G Bæverfjord, and S Summerfelt. 2014. Observations on side-swimming rainbow trout in water recirculation aquaculture systems. *J. Aquatic Anim. Health* 26:219-224.
- Davidson JW, PB Kenney, M Manor, CM Good, GM Weber, A Aussanasuwannakul, PJ Turk, C Welsh, and ST Summerfelt. 2014. Growth performance, fillet quality, and reproductive maturity of rainbow trout (*Oncorhynchus mykiss*) cultured to 5 kilograms within freshwater recirculating systems. *J. Aquac. Res. Develop.* 5(4):1-9.
- Manor ML, GM Weber, BM Cleveland, and PB Kenney. 2014. Effects of feeding level and sexual maturation on fatty acid composition of energy stores in diploid and triploid rainbow trout (*Oncorhynchus mykiss*). *Aquaculture* 418-419:17-25.
- Davidson J, C Good, F T Barrows, C Welsh, P B Kenney. 2013. Comparing the effects of feeding a grain- or fish meal-based diet on water quality, waste production, and rainbow trout *Oncorhynchus mykiss* performance with low exchange water recirculating aquaculture systems. *Aquaculture Engineering* 52: 45-57.
- Matak KE, KH Maditz, KM Barnes, SK Beamer, and PB Kenney. 2013. Effect of dietary inclusion of conjugated linoleic acid on quality indicators of aged pork loin. *J. Agricultural Science* 5:1-8.

- Salem M, ML Manor, A Aussanasuwannakul, PB Kenney, GM Weber, and J Yao. 2013. Effect of sexual maturation on muscle gene expression of rainbow trout: RNA-Seq approach. *Physiological Reports* 1:1-15.
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- Aussanasuwannakul A, S D Slider, M Salem, J Yao, and P B Kenney. 2012. Comparison of variable-blade to Allo-Kramer shear method in assessing rainbow trout (*Oncorhynchus mykiss*) fillet firmness. *J. Food Science* 77:S335-341.
- Aussanasuwannakul A, G M Weber, M Salem, J Yao, S Slider, M L Manor, and P B Kenney. 2012. Effect of sexual maturation on thermal stability, viscoelastic properties, and texture of female rainbow trout, *Oncorhynchus mykiss*, fillets. *J. Food Science* 77:S77-S83.
- Cleveland B M, P B Kenney, M L Manor, and G M Weber. 2012. Effect of feeding level and sexual maturation on carcass and fillet characteristics and indices of protein degradation in rainbow trout (*Oncorhynchus mykiss*). *Aquaculture* 338-341:228-236.
- Hafs A W, P M Mazik, P B Kenney, and J T Silverstein. 2012. Impact of carbon dioxide level, water velocity, strain, and feeding regimen on growth and fillet attributes of cultured rainbow trout (*Oncorhynchus mykiss*). *Aquaculture* 350-353:46-53.
- Manor M L, G M Weber, M Salem, J Yao, A Aussanasuwannakul, and P B Kenney. 2012. Effect of sexual maturation and triploidy on chemical composition and fatty acid content of energy stores in female rainbow trout, *Oncorhynchus mykiss*. *Aquaculture* 364-365:312-321.
- Aussanasuwannakul, A, PB Kenney, GM Weber, J Yao, SD Slider, ML Manor, and M Salem. 2011. Effect of sexual maturation on growth, fillet composition, and texture of female rainbow trout (*Oncorhynchus mykiss*) on a high nutritional plane. *Aquaculture* 317: 79-88.
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- Aussanasuwannakul, A, PB Kenney, RG Brannan, SD Slider, M Salem, and J Yao. 2010. Relating instrumental texture, determined by variable-blade and allo-kramer shear attachments, to sensory analysis of rainbow trout, *Oncorhynchus mykiss*, fillets. *J. Food Sciences* 75(7):S365-S374.

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