

Professor Sami Dridi, University of Arkansas



Sami, Professor of Avian Endocrinology and Molecular Genetics in the Department of Poultry Science at the University of Arkansas, is one of the pioneer researchers who investigates the mode of action of feed additives on growth efficiency of poultry under both standard and heat stress conditions. He received his M.S., Ph.D., and HDR in France. He served as a quality inspector in poultry industry, and he joined several international labs as postdoc/PI such as UNC Chapel Hill, UK, WVU, KUL Belgium, ENITAB and ENVN France.

Sami is an internationally recognized scientist who has pioneered innovative concepts in poultry research and molecular nutrition. His lab has reported seminal advances in high ranked journals such as *J Nutr*, *J Anim Sci*, *Am J Pathol* and *Am J Physiol*. He developed a strategy to isolate dsRNA from animal tissues, and identified a key role of Dicer1 in lameness in broilers. He also defined the mechanisms by which HyD enhances breast muscle yield in broiler. He also defined the peripheral and central molecular mechanisms involved in the beneficial effects of phytochemicals and quantum blue supplementation under heat stress conditions and in woody breast myopathy, respectively. He identified GRP75 as a new molecular signature for heat stress and developed feather-HSP70 as a non-invasive method to monitor stress in poultry. In collaboration with more than 500 authors, he published the 3rd and the 4th set of guidelines for standardizing research in autophagy. Sami authored more than 121 papers, 122 abstracts, 10 book chapters, one book, and co-edited the avian physiology book edition 7. His work has been cited 11020 times with an h-index of 29. He advised more than 26 scientists, and served in 50 advisory committees. He served on panels for NSF and DFG, reviewer for 74 journals, 3 Editorial boards, and he is a member of PSA and the President of WPSA-USA branch.