

**DEPARTMENT OF ANIMAL AND AVIAN SCIENCES
COLLEGE OF AGRICULTURE AND NATURAL RESOURCES
UNIVERSITY OF MARYLAND, COLLEGE PARK**

POSITION ANNOUNCEMENT

POSITION: Post-Doctoral Associate, Faculty/Staff, Non-Tenured, continuing contractual
Position # 126951

POSITION SUMMARY/PURPOSE OF POSITION:

A post-doctoral associate position is available in the field of animal/ poultry science, liver physiology and nutrition. Projects will involve investigating mechanisms regulating liver mitochondrial function during various nutritional and physiological states and during the pathophysiology of liver disease. Our laboratory uses techniques including stable isotope based profiling of metabolism using techniques in mass spectrometry, in combination with measures in molecular biology to understand cellular mechanisms regulating liver function. Research will include the use of *in vitro* and *in vivo* models of liver metabolism, derived from diet-induced insulin resistant mice and/or embryonic and neonatal chicken. Opportunities and training in experimental design, data analysis and processing, mentoring and laboratory management, grant writing and manuscript preparation are available through this position. Contact Nishanth E. Sunny, Ph.D., at nsunny@umd.edu for more information about this position.

MINIMUM QUALIFICATIONS:

We seek an outstanding scientist with a Ph.D., obtained no earlier than 2018, in the broad areas of animal or poultry science, nutrition, physiology and metabolism. Only applicants who are currently legally able to work in the U.S. will be considered for this position.

PREFERENCES:

Preference will be given to candidates with previous experience in investigating cellular mechanisms utilizing whole animal (e.g. mice, chicken) models and/or *in vitro* cell culture systems. Experience in investigating the metabolism of the liver under normal physiology or insulin resistance is desirable. Training in mass spectrometry based techniques is also desirable. Knowledge of a variety of routine molecular techniques to investigate cellular metabolism is highly desirable. Candidates with strong interdisciplinary training in the areas of animal/ poultry science, physiology, nutrition and metabolism are encouraged to apply.

COMPENSATION:

Salary is highly competitive and commensurate with qualifications. Fringe benefits are offered.

APPLICATION:

Applicants must apply through eTerp at <https://ejobs.umd.edu/>. Candidates should upload CV and cover letter with a brief description of previous research experience and contact information of three professional references.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.