

# CMB NEWS | NORTH DAKOTA STATE UNIVERSITY

*A biannual newsletter brought to you by the Cellular and Molecular Biology Graduate Program*

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## CMB Student Graduates!



Congratulations to **Dr. Jesmin Jahan** who earned her PhD in CMB this fall! Jesmin was mentored by CMB faculty member **Dr. Yagna Jarajapu** (Pharmaceutical Sciences). Dr. Jahan joined Aldevron as a Scientist in Analytical Method Development. Congratulations, Dr. Jahan!

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## CMB Student Has Paper Accepted for Publication

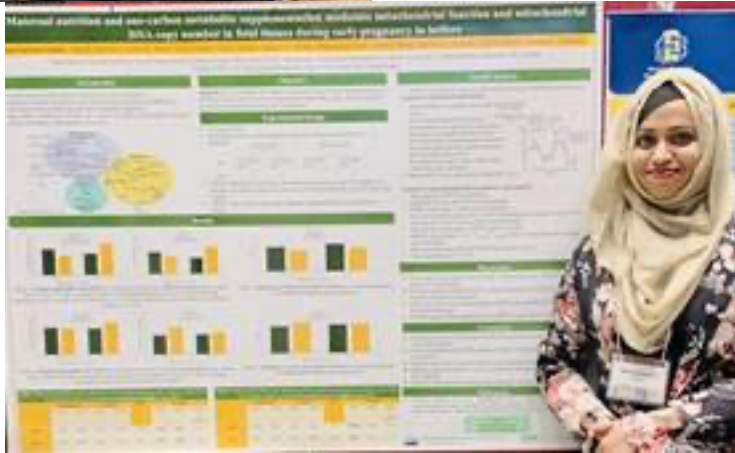


**Philip Salu** had a first-author review paper titled “Advancements in preclinical models of pancreatic cancer” accepted for publication in the journal *Pancreas*. Philip’s research advisor, **Dr. Katie Reindl** (Biological Sciences), is the co-author. Congratulations, Philip!

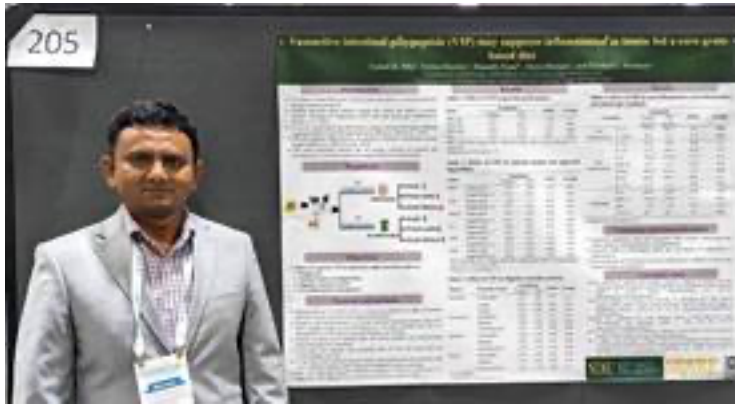
## CMB Students Present Research and Receive Awards



**Kazi Sarjana Safain** was awarded 1<sup>st</sup> place in the Emerging Leaders in Nutrition Science Competition at the American Society of Nutrition Conference in Boston, MA. Her presentation was titled, "Supplementation of one-carbon metabolites influences fetal maintenance energy and programming of energy utilization in fetal liver during early pregnancy in heifers". She is mentored by **Dr. Kendall Swanson** (Animal Sciences). The abstract is published in Current Developments in Nutrition: <https://doi.org/10.1016/j.cdnut.2023.100809>. Congratulations, Sarjana!



**Sarjana** also presented her research "Maternal nutrition and one-carbon metabolite supplementation modulate mitochondrial function and mitochondrial DNA copy number in fetal tissues during early pregnancy in heifers" at the 84<sup>th</sup> Annual MN Nutrition Conference where she placed 3<sup>rd</sup> overall for graduate student presentations. Congratulations, Sarjana!



**Kafi Mia** presented his research "Vasoactive intestinal polypeptide (VIP) may suppress inflammation in lambs fed a corn grain-based diet" at the American Society for Nutrition annual meeting in Boston, MA. Kafi is mentored by **Dr. Kendall Swanson** (Animal Sciences). Well done, Kafi!

## CMB Faculty Receives Grant



Congratulations to **Dr. Yagna Jarajapu** (Pharmaceutical Sciences) who was awarded an NIH R01 grant from the National Institute of Aging. The project is titled “Stem cell-derived exosomes, MrgD and vascular cognitive impairment in aging”. The >\$2.2M grant will help fund his research program over the next 5 years.

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