It’s a novel approach to developing breast cancer-specific immunotherapy and could lead to new ligand connection, the natural killer cells can release what I call killing machinery to have the Clemson University researchers that link the two together. And their targets are breast cancer tumor cells. The triggers are fusion proteins developed by But instead of characters in a movie, these natural killers are part of the human immune system and are playing a critical role in understanding and communicating the importance of healthy oceans.

Research, teaching and outreach efforts underway in the Department of Biological Sciences are improving ocean health — and for good reason. The ocean covers over 70 percent of the Earth's surface and produces more than half the world's oxygen. It is home to more than 7 million species. But the ocean is under threat from climate change, overfishing, pollution, and other factors. The Department of Biological Sciences is working to address these challenges through research, teaching, and outreach.

For example, a study by Yanzhang (Charlie) Wei, a professor in the Department of Biological Sciences, lays the groundwork for a new approach to breast cancer immunotherapy. Wei’s research centers on activating the body's natural killer cells to kill breast cancer cells.

Natural killers: Using the body's cells to target breast cancer

Wei’s research is part of a larger effort to develop new therapies for breast cancer. Breast cancer is the most common cancer among women, and it is a leading cause of cancer-related deaths. The Department of Biological Sciences is home to a number of researchers working on breast cancer research.

Research, teaching and outreach are playing important roles in improving ocean health, and we are grateful for the support of our donors. If you would like to learn more about our work or support our efforts, please consider making a gift to the Department of Biological Sciences.

Note from the Chair

We are gearing up to welcome one of the largest classes yet for the 2021-22 year on August 18 with 500-plus new biological sciences majors and 40-plus new microbiology majors. Summer never seems long enough to recharge for the 2021-22 year on August 18 with 500-plus new biological sciences majors and 40-plus new microbiology majors. Summer never seems long enough to recharge. But we are excited for the year ahead and look forward to seeing all that our students, faculty, and staff accomplish.

Consent

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