

**Meeting:** 1003, Atlanta, Georgia, MAA CP S1, MAA Session on Meeting the Challenge: Relationship Between Mathematics and Biology in the 21st Century

1003-S1-261      **Eric S Marland\*** ([marlandes@appstate.edu](mailto:marlandes@appstate.edu)), Walker Hall, Dept of Math Sciences, Boone, NC 28608, and **Mary E Searcy** ([searcyme@appstate.edu](mailto:searcyme@appstate.edu)), Appalachian State University, Boone, NC 28608. *From data to derivatives: lessons for the general calculus.*

We have been developing and assessing a course in biocalculus for several years. With a course that began with changes to our general calculus course based on recommendations from the MAA-CUPM workshops, the BIO 2010 document, and exemplary materials from around the country, our biocalculus has now taken on life of its own and is growing beyond its borders; changing our views of the general calculus. We will share some of the lessons we have learned from our course that may have implications beyond the biological sciences. (Received September 03, 2004)