

1035-53-1831      **Mark G Walsh\*** ([mwalsh3@uoregon.edu](mailto:mwalsh3@uoregon.edu)), Department of Mathematics, University of Oregon,  
Eugene, OR 97403. *Gromov-Lawson concordance implies isotopy.*

Isotopic metrics of positive scalar curvature on a manifold  $M$  are concordant. In general dimensions, it is not known whether the converse holds. We prove that for a particular kind of concordance, constructed using the surgery techniques of Gromov-Lawson, this converse does indeed hold. (Received September 20, 2007)