GENERATE CELLULAR STRUCTURE DATA FOR THE COMPACTION MODEL

1. Filter out weird fibers
   - ➢ before spline fitting → if lumen area = 0
   - ➢ after spline fitting → if inner-outer intersection
2. Avoid outer-outer intersections between fibers
   - ➢ find intersection points for each couple of fibers and replace spline with linear points
3. Scale data to real dimension (micrometer)
4. Scale outer spline to leave ML out
5. Scale outer spline to get inner spline (use mean thickness) to keep a uniform shape and avoid inner-outer intersection of the same cell
6. Create mask (use boundary) around fibers
7. Scale mask to include double ML