

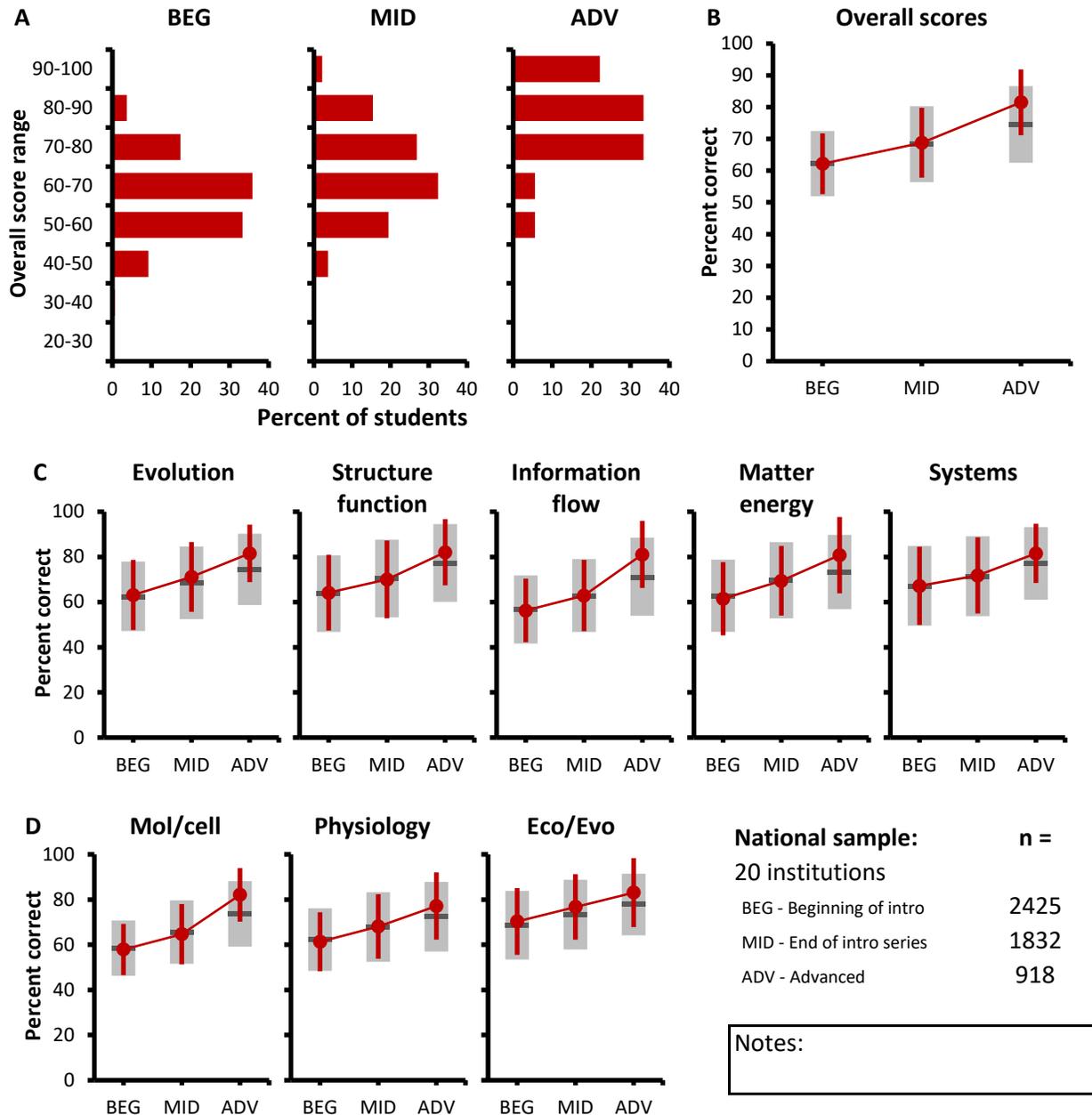
# GenBio-MAPS

## Program Summary

**Overview:** GenBio-MAPS measures student understanding of the *Vision and Change* core concepts across an undergraduate biology program. The instrument consists of 39 multiple-true-false question stems with 4-5 T/F items for each stem. Every item tests a core concept in the context of a subdisciplinary context. Each student answers 15 random question stems.

**Institution:**

**Sample:** **n =**  
 BEG - Beginning of intro 706  
 MID - End of intro series 324  
 ADV - Advanced 36



(A) Histogram showing local student overall score distributions at each time point. (B-D) Overall, core concept, and subdiscipline scores at each time point. Round dots and thin error bars represent local means  $\pm$  SD. Grey point lines and thick error bars in background represent national means  $\pm$  SD.