**Regional and Global Biodiversity**

**Biodiversity**

Latitudinal Trends

Elevational Trends

**Factors that influence biodiversity**

Spatial

Temporal

**Null Models**

Bounded Ranges Hypothesis

Neutral Model of Biodiversity and Biogeography

**Deterministic Models**

Available Energy Model

**Scales of Diversity**

α diversity

β diversity

γ diversity

**Diversity Along Ecological Gradients**

**Unifying Propositions**

1.

2.

3.

4.

**Latitudinal Gradient Explanations**

Area-

Harshness-

Climate Stability-

β diversity

**Other Geographic Patterns**

Transition Zones

Endemism, Diversification, and Isolation