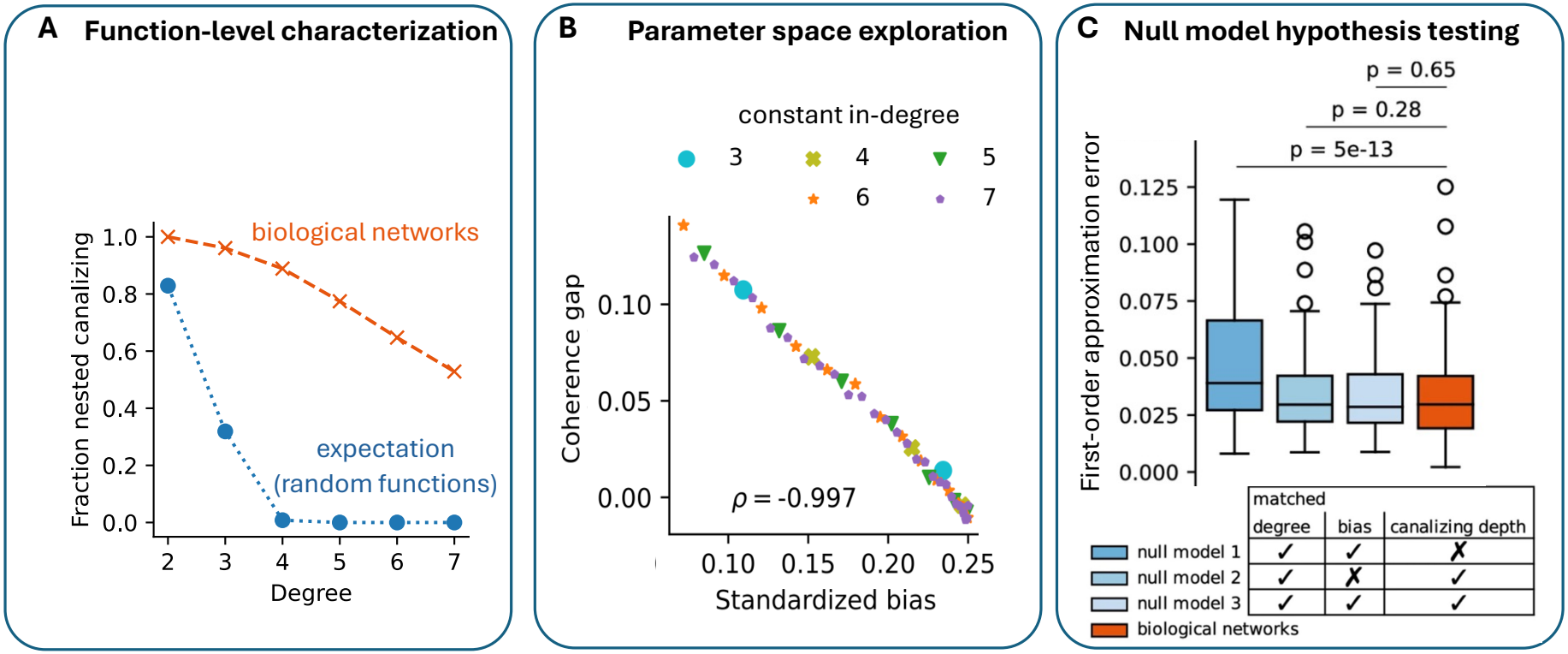
A
Function-level characterization
Fraction nested canalizing
1.0
0.8
0.6
0.4
0.2
0.0
biological networks
expectation
(random functions)
2
3
4
5
6
7
Degree
B
Parameter space exploration
constant in-degree
3
4
5
6
7
Coherence gap
0.10
0.05
0.00
ρ = -0.997
0.10
0.15
0.20
0.25
Standardized bias
C
Null model hypothesis testing
p = 0.65
p = 0.28
p = 5e-13
First-order approximation error
0.125
0.100
0.075
0.050
0.025
0.000
matched
degree
bias
canalizing depth
null model 1
✓
✓
✗
null model 2
✓
✗
✓
null model 3
✓
✓
✓
biological networks