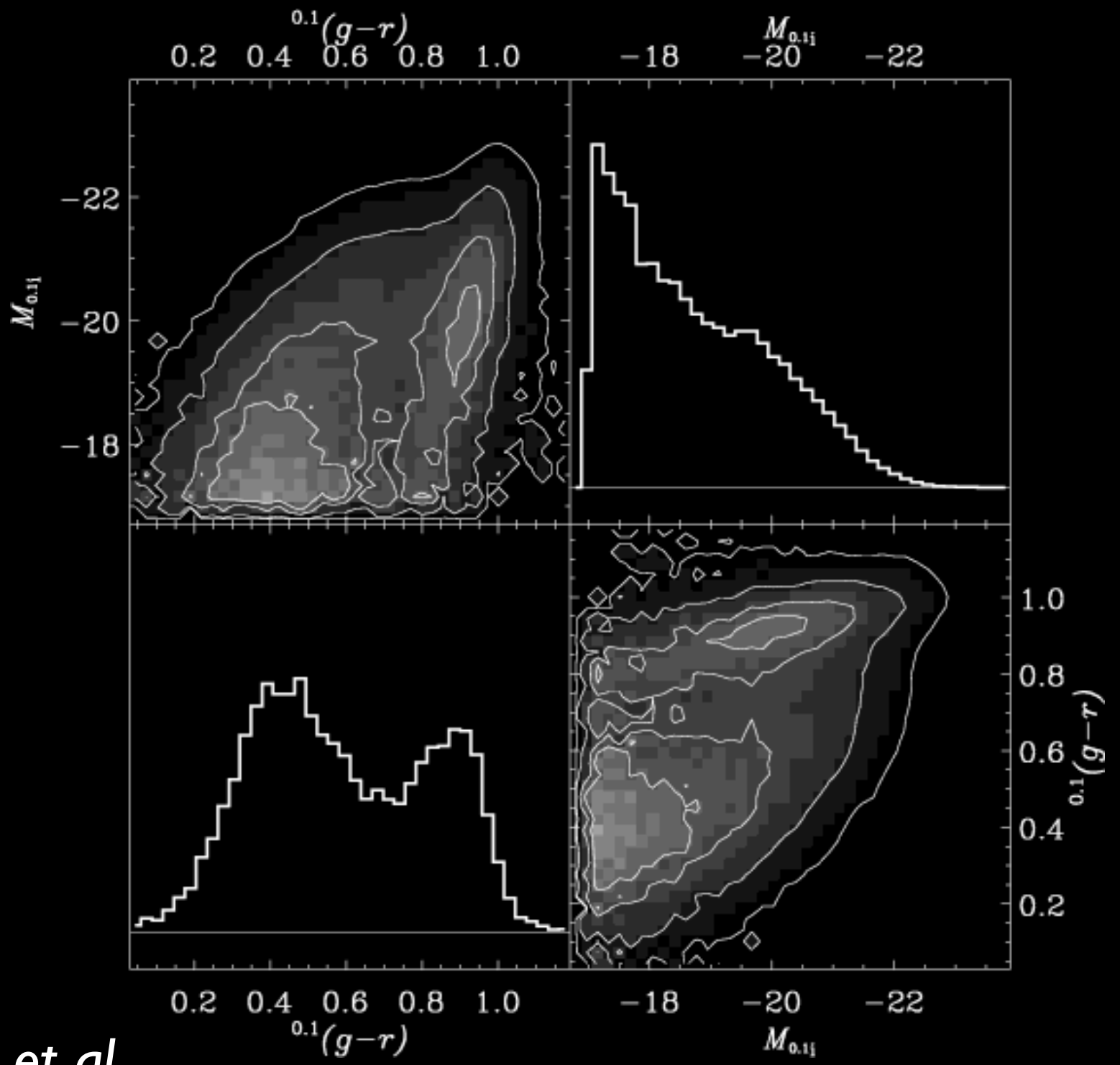
Galaxy clusters and environments at redshift one-tenth

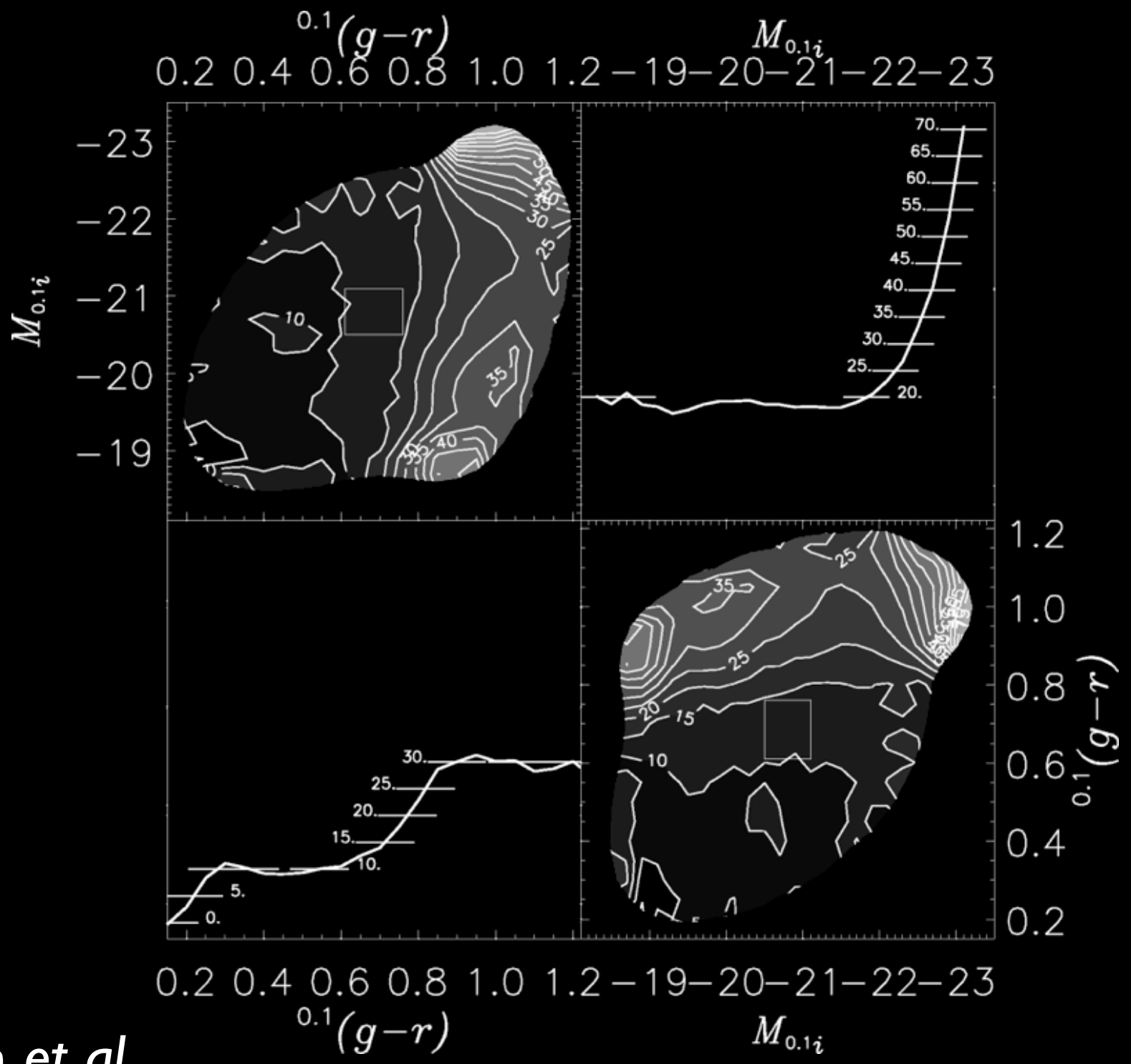
David W. Hogg
(New York University)

conclusions

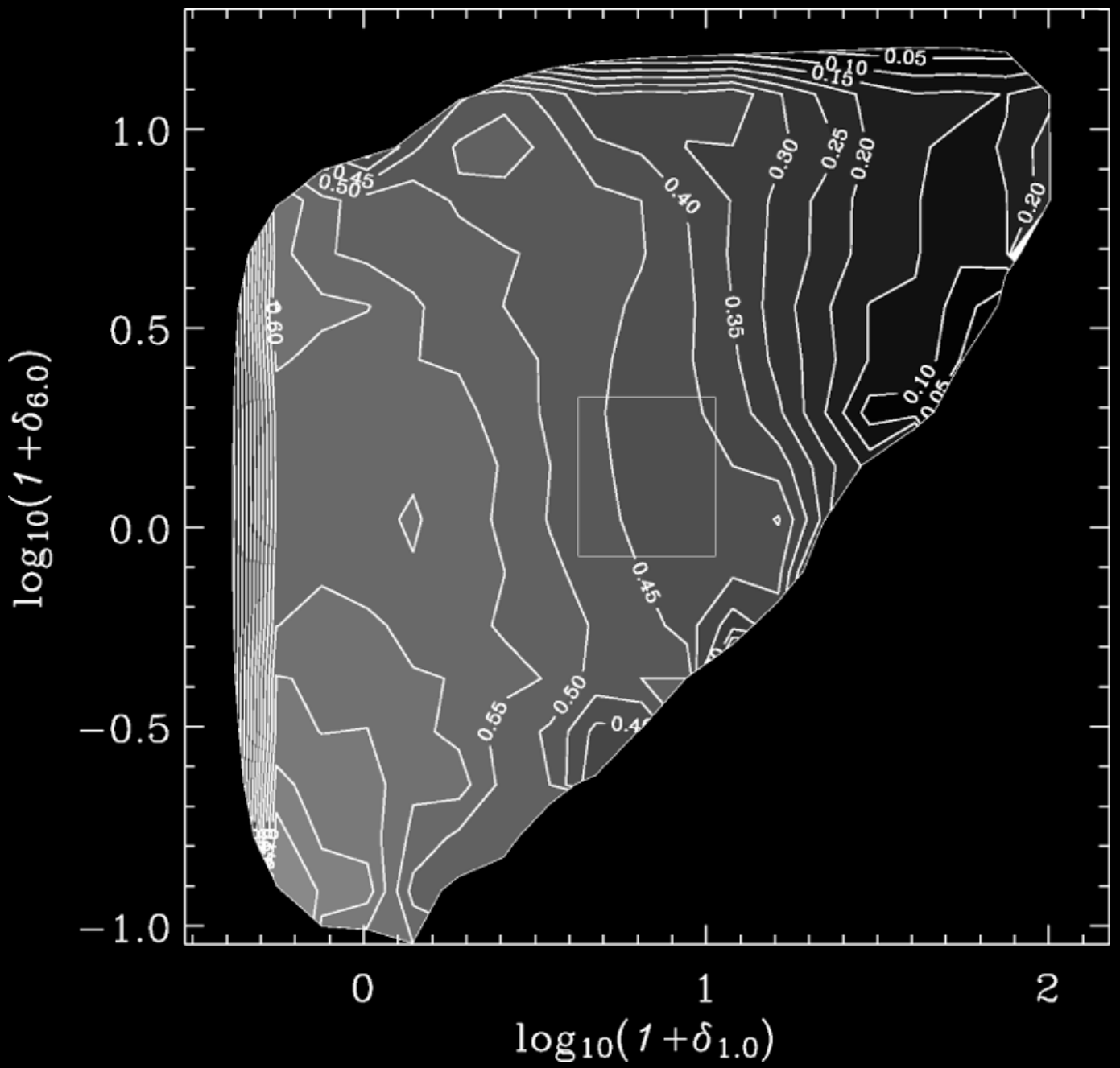
- Galaxy *color* is the property most closely connected to environment.
- Most of the information about environment is on scales of about 1 Mpc.
- The morphology-density relation is subordinate to the color-density relation



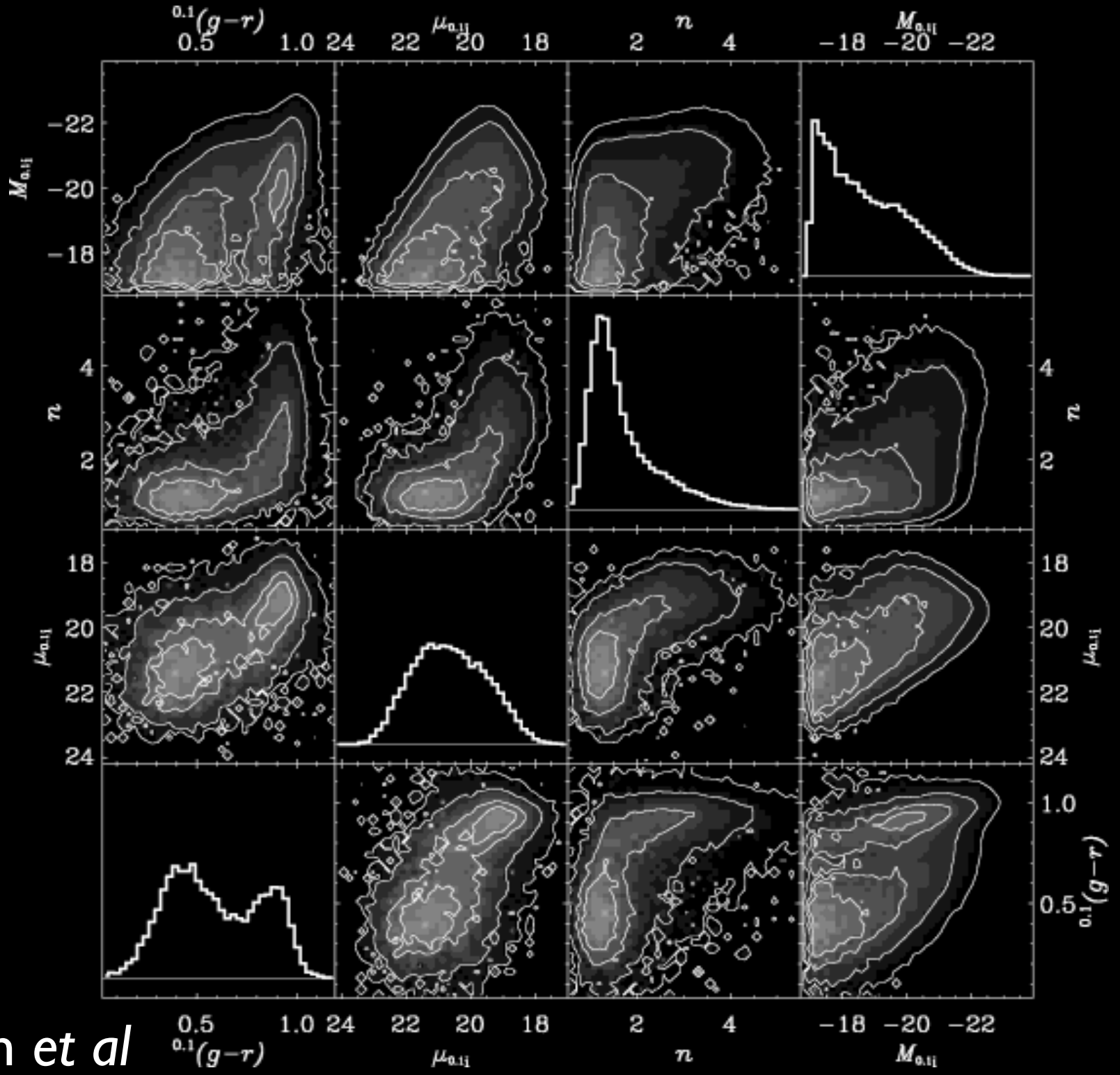
Blanton *et al*



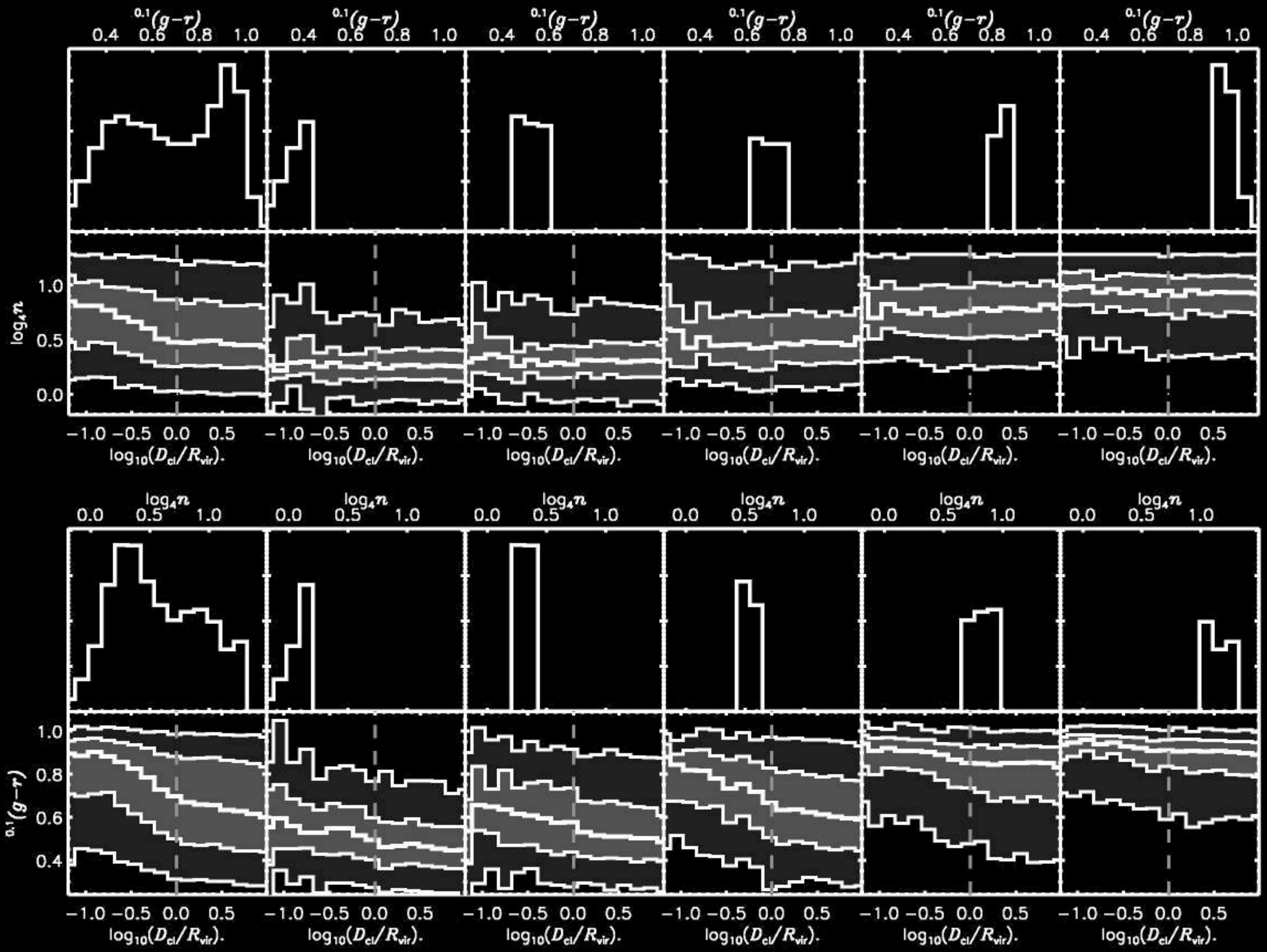
Blanton *et al*



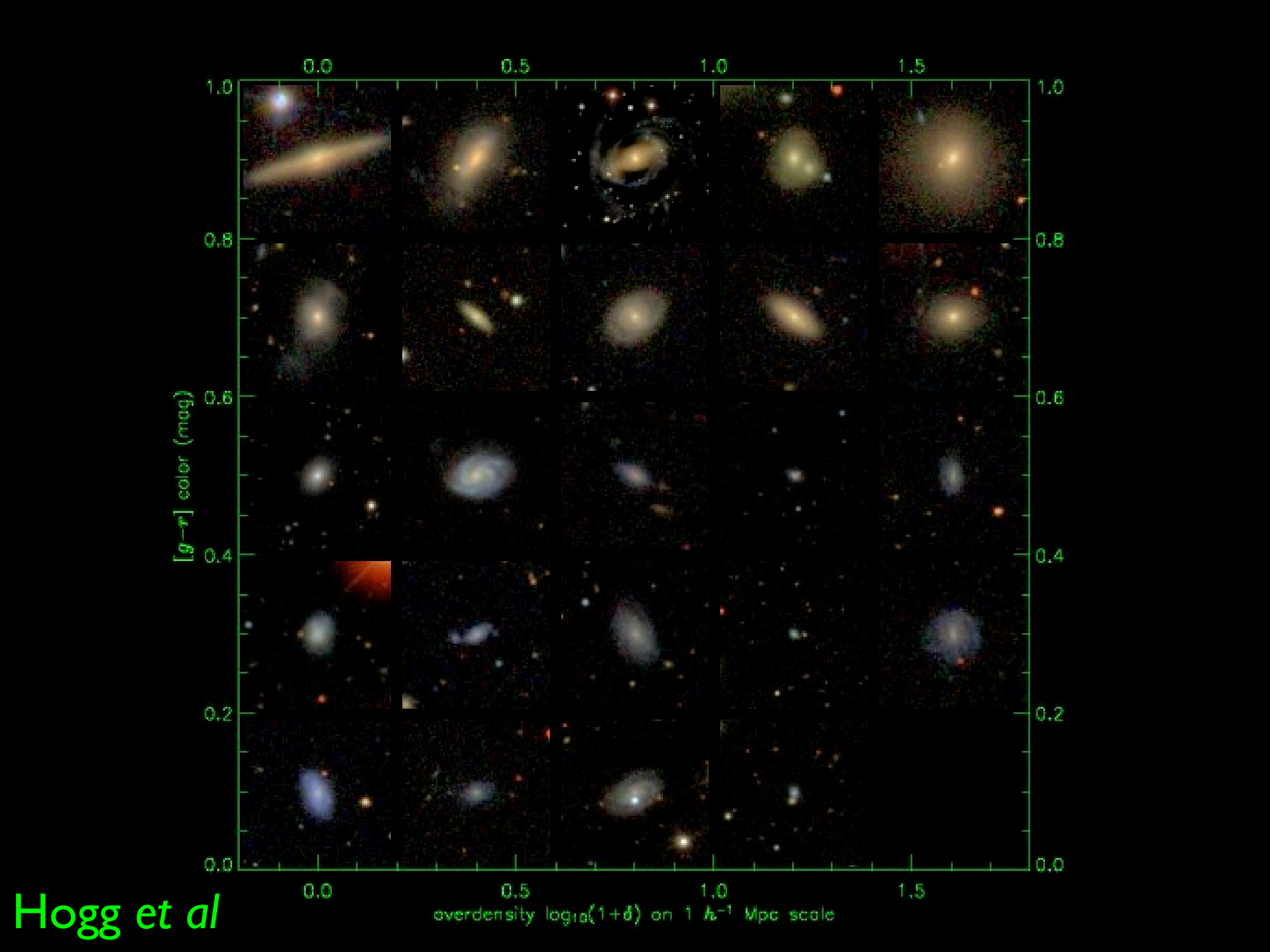
Blanton *et al* (but *cf* Balogh *et al)*



Blanton *et al*



Quintero *et al* (*cf* Gomez *et al*)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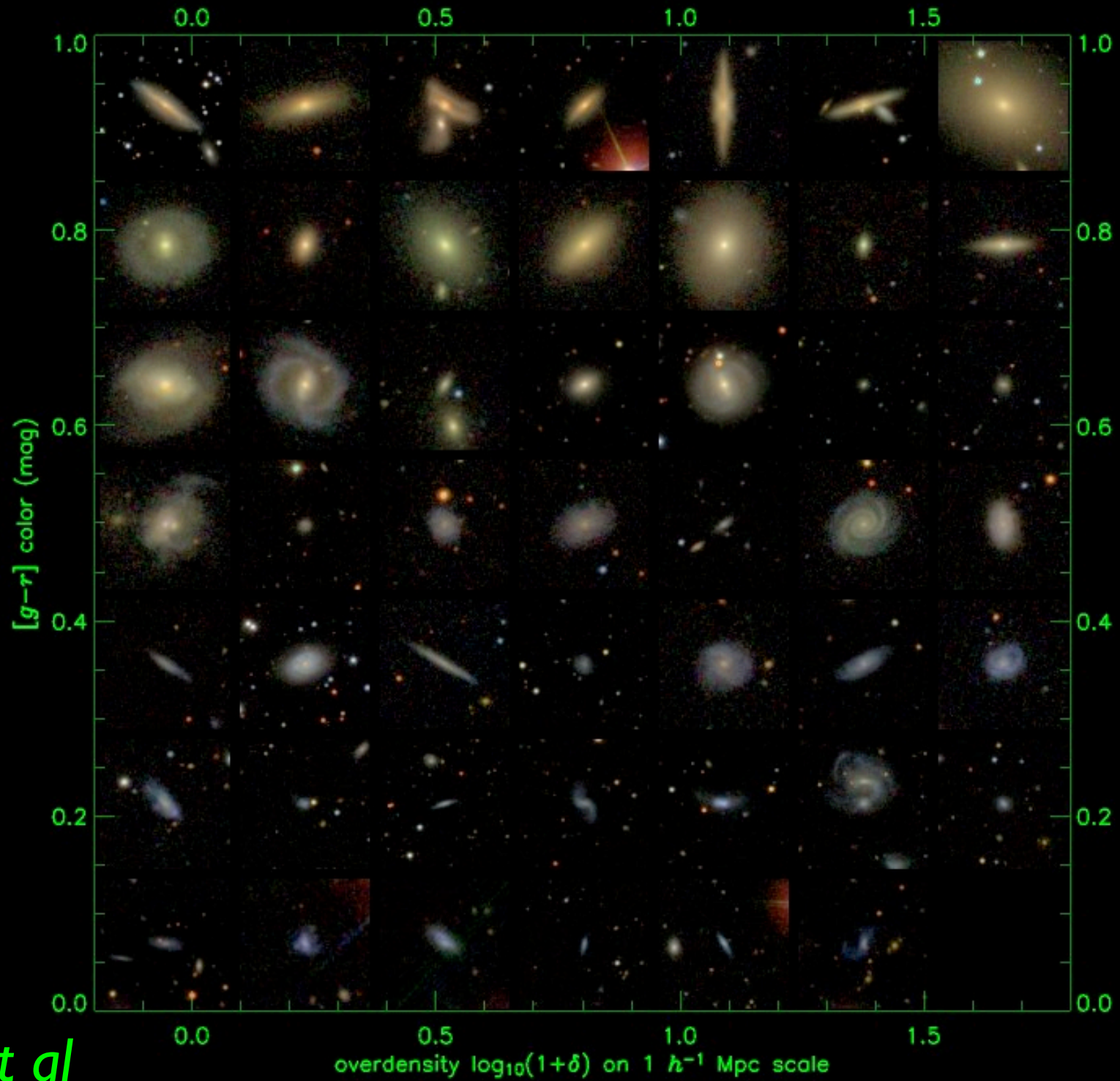
[g−r] color (mag)
overdensity log10(1+δ) on 1 h⁻¹ Mpc scale

Hogg *et al*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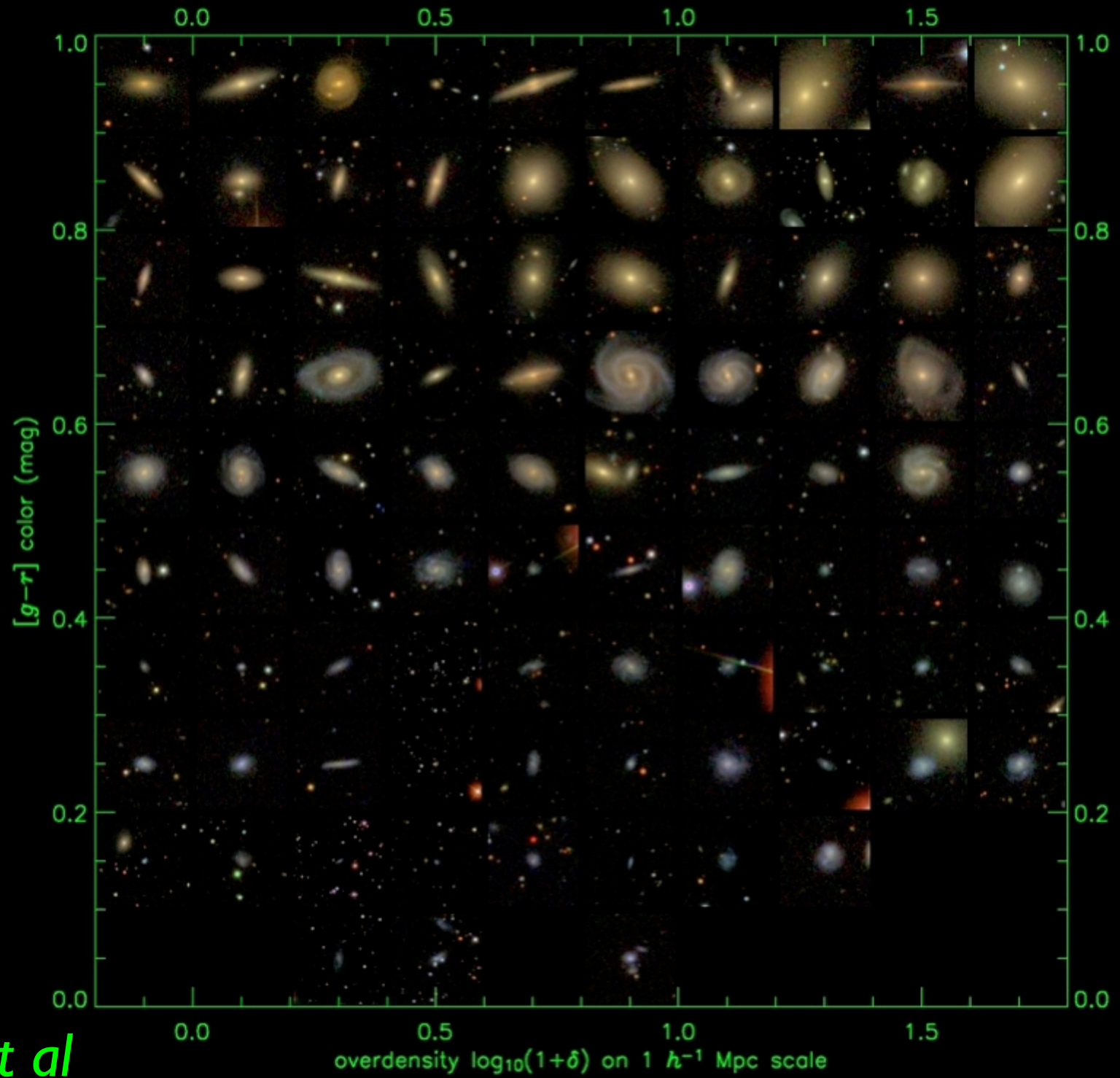
overdensity log10(1+δ) on 1 h−1 Mpc scale

Hogg *et al*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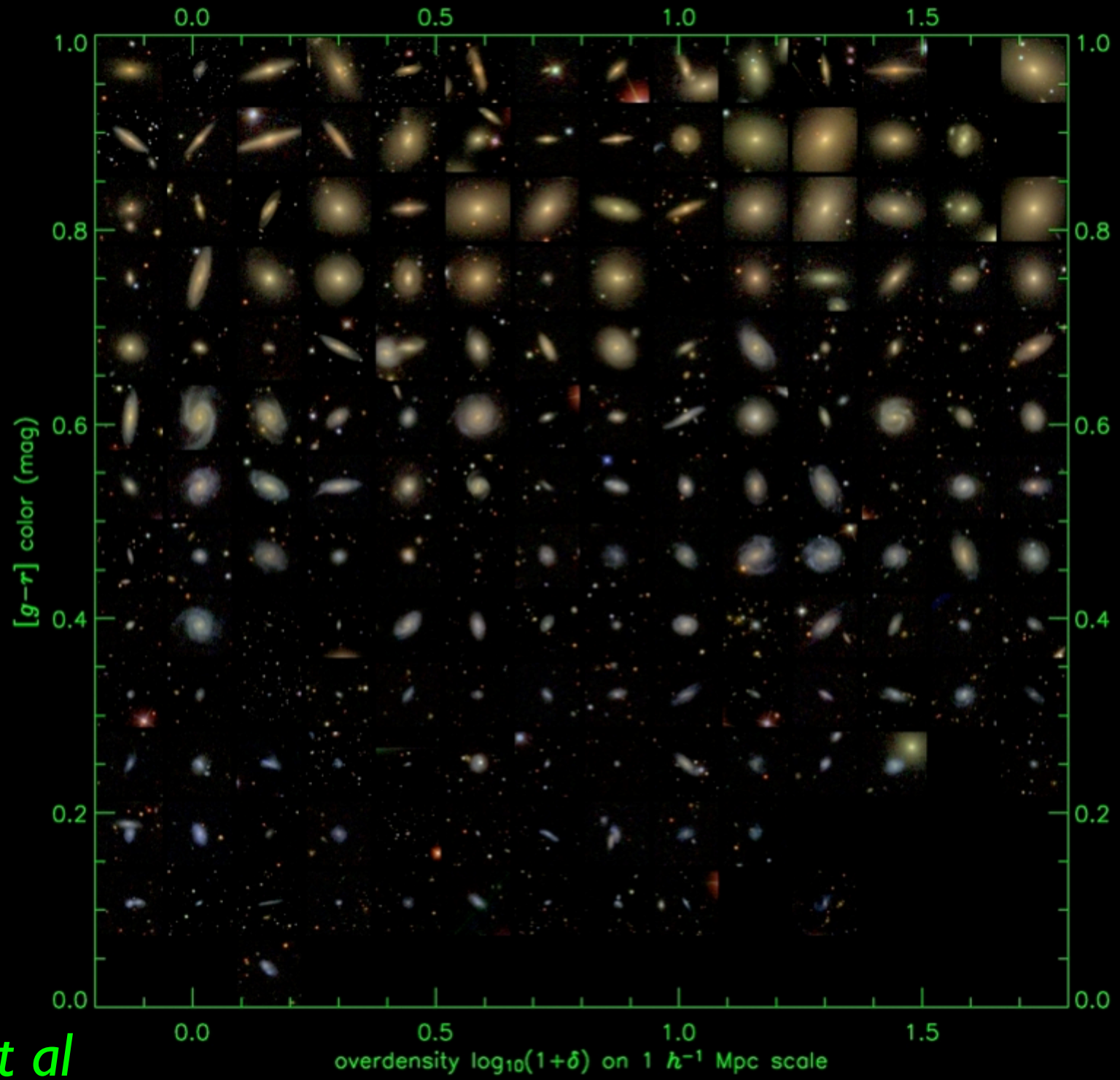
Hogg *et al*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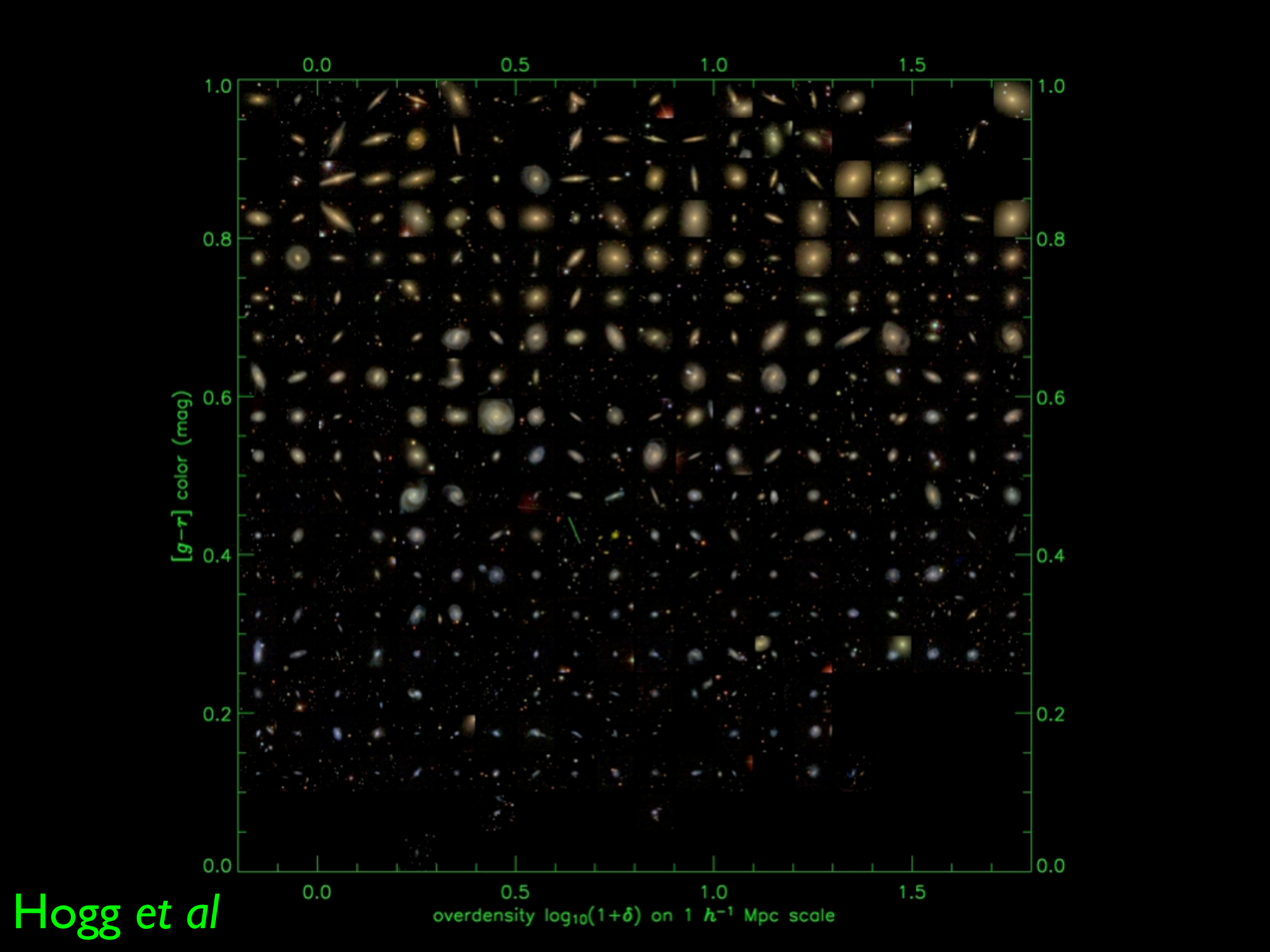
Hogg *et al*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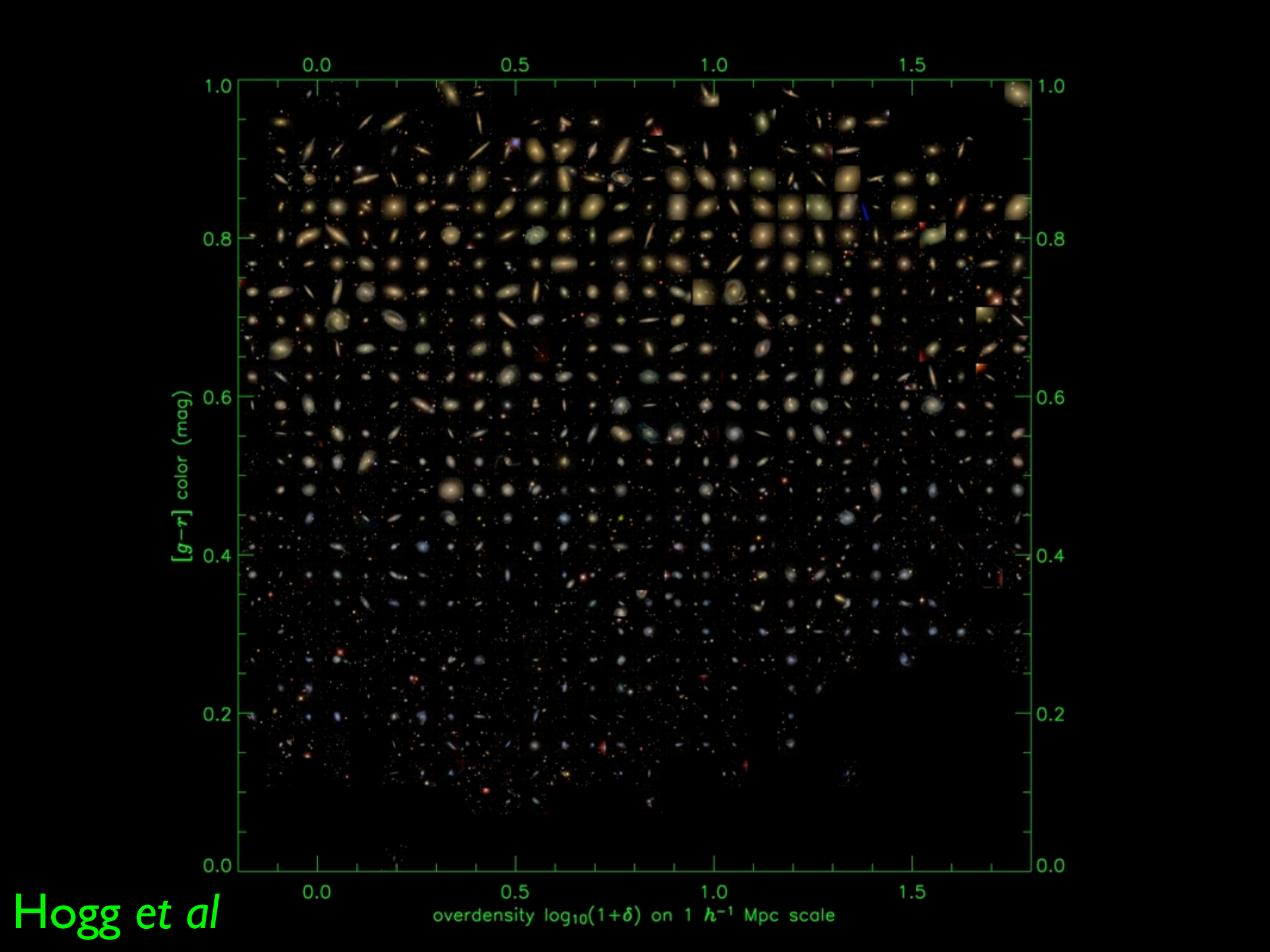
Hogg *et al*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