roleR objectives 3/27

iter functions and comparing SADs from different
↳ for now
model scenarios

challenge here [steps:

1) run a role model w/ neutral + nonneutral dynamics

2) do this repeatedly + characterize extremes
S, N, will I
↳ will be fixed
→ a kind of PCA / clustering plot

The above has been done before but not using roleR. Doing this can help w/ testing out roleR + infrastructure for multi-Role runs

which I think are implemented, (or intended to be implemented?) via roleExperiment

role Experiment has to run on a list of roleParams

It's weird that the output of 'runRole(roleExperiment)'
at the top level returns
"role exp w/ 0 unique models" even if it
has 5 runs in it.

compSigma wouldn't take an iterRun

After talking to Jacob & Andy, comp_sigma is not expected to take an iter function.

(My instinct is this maybe eventually wants to change but not now.

Eventually we may want to have a way to modulate γ but that's it?)

So what is the next question?

(* document GOB envs etc)

→ currently what happens if we introduce a "pulse" perturb. w.r.t. e.g. dispersal

✓ do the press/pulse perturbations

Next observations...

- will want some better wrapping / packaging structure for tracking parameter values than manually typing it in. Maybe roleMeta etc do this?
- in the press/pulses the pulse takes a while to decay. !!! (is that mediated thru S & N?)
- wondering what the best life of this is. do it on EL paper?
- how do you package/write defensively around index out of bounds?
  try() with some time limit?
  or, ideally, solve/fix the error?

→ wrapper for a bunch of roles

→ c. to FS, METE.