## Abbreviated schema

## Primary Keys in bold; Foreign keys in red

- Metadata table
  - ipm\_id
  - species\_name
  - author
  - doi
  - See database\_excel\_template for additional fields

- Model expression table
  - Ipm\_id
    - Demographic\_parameter (e.g. surv, growth...)
  - Formula (e.g. sizeNext ~ Norm(mu, sd))
  - Model\_type (e.g. GLM, GAM)
  - Model family (e.g. Gaussian, Poisson)

- State\_variables table
  - Ipm\_id
  - State\_variable
  - Lower
  - Upper
  - Bin #
  - Discrete

- Model values table
  - Ipm id
  - Demographic\_parameter
  - State variable
  - Parameter\_type (e.g. mean, sd, weight, prior)
  - Parameter\_name (e.g. growZslope, growZinterceptprior)
  - Parameter value (e.g. 1.2, 3.7, 0.00004)