

# Induced Maturation

- Only final maturation can be induced
- Eggs can't be induced, manipulate the conditions
- Many methods have been developed
- Some are effective
- Not all fish need inducing
- Some fish spawn willingly
- Some like Ostariophysids need dopamine blockers
- Work with the HPG



# Rules of Thumb: Chondrostei

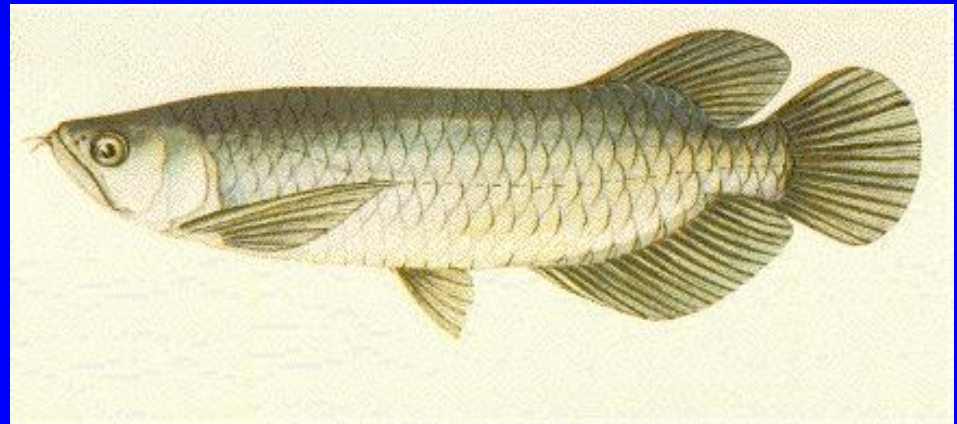


- mGnRH is the form in the brain
- LHRH
- Most analogues will work
- Inject 20-50 $\mu$ g/kg
- CPE to prime?



# Rules of Thumb: Boneytongues

- Can have mGnRH or sGnRH in their brains
- sGnRH<sub>a</sub> will work well
- Dopamine inhib can't hurt



# Rules of Thumb: Ostariophysea



- Catfish, carp, charachins, silurids all need dopamine inhibition
- Pacu and the like do not



# Rules of Thumb: Perciforms

- Three form of GnRH in brain
- Usually sbGnRH
- sGnRH $\alpha$  is best bet
- Dopamine inhibition is not normally required

