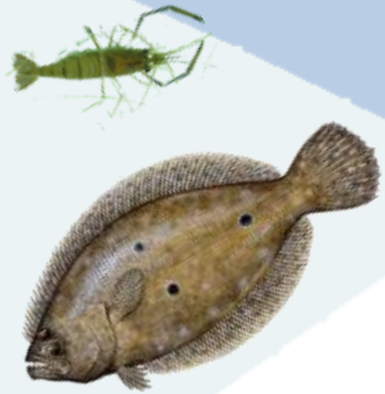


Aquaculture

Great opportunities in North Carolina:
freshwater and marine finfish, shellfish,
and crustaceans



Seeking expansion or collaborations in aquaculture?
North Carolina, USA – *a vibrant and major aquaculture hub!*



Algal production for shellfish hatchery

- NC is a global powerhouse for biotechnology industries
- NC has a vibrant aquaculture industry

Benefits

Expanding ecosystem	NC has growing role of biotechnology in the aquaculture value chain
	Established advanced aquaculture systems for diverse species
Regional demand	Increased interest in locally sourced and sustainable food products

Why?

- NC is 3rd largest biotech R&D cluster in USA
- Freshwater and marine finfish, shellfish, and crustaceans

Who?

- Companies: Partner for R&D to enhance feed, health, productivity
- Researchers: Collaborate to leverage platforms and expertise
- Biotech start-ups: NC has strong track record for biotech, entrepreneurship, and university research

Genetics & Breeding Technologies

Genetic biomarkers

Hatchery technologies

Growth physiology

Transgenic modification

Production Methods & Improvements

Recirculating aquaculture

New marine species

Sensors and real-time monitoring

Market development

Water Quality

Waste remediation

Zero-discharge process

Filtration and flocculants

Anaerobic digesters

Aquaculture Diseases & Pathogens

Pathogen Diagnostics

Probiotics

Animal health

Vaccines

Food Quality & Safety

Seafood safety

Organoleptic assays

Seafood preservation

Seafood processing technologies

Nutrition & Feed Quality

Omega-3's

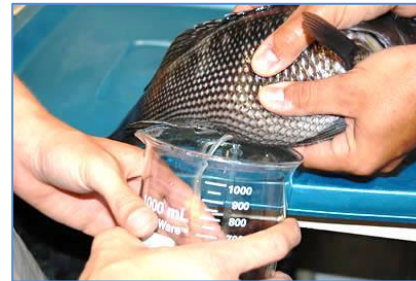
Algae for feed

Feed enzymes and supplements

Feed analysis



Sturgeon



Black bass



Shellfish hatchery