



VERÐMÆTAMYNDANDI OG HEILSUEFLANDI RANNSÓKNIR

Hólmfríður Sveinsdóttir

Matís ehf.

Hjá Matís starfa um 100 manns út um allt land



Á Sauðárkróki starfa 5 manns





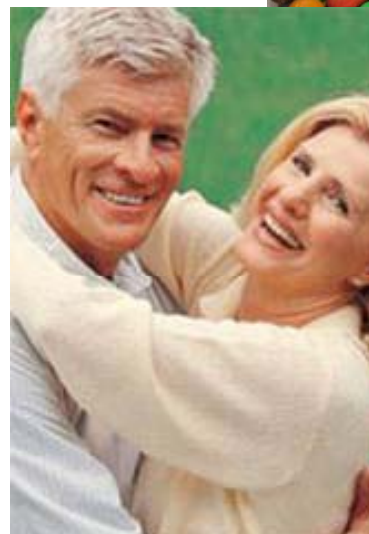
✓ **Aukið virði – bætt nýting**

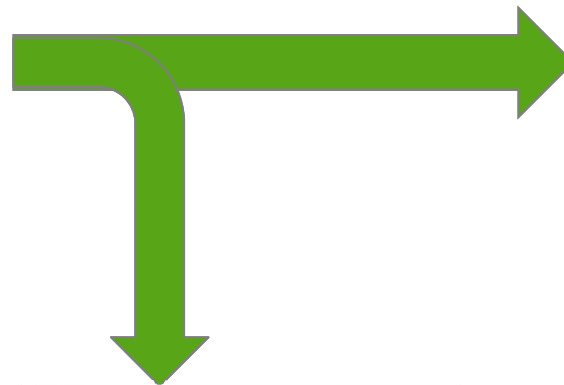


✓ **Aukið matvælaöryggi**



✓ **Bætt lýðheilsa**





Hausar, innyfli, bein o.fl.



Aukið virði – bætt nýting



Aukið virði – bætt nýting



Dæmi um virðisaukningu á fiskpróteini

Fæðubótarefni

Fiskimjöl



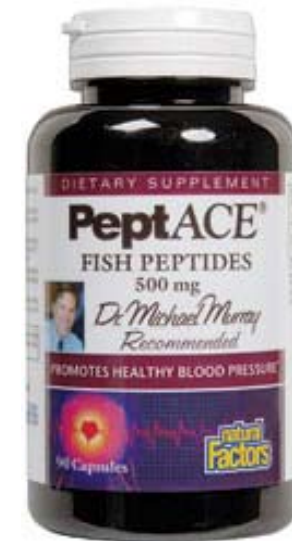
\$1.08 / Kg prótein
Ca. 137 íkr / kg

SeaCure



\$675 / Kg prótein
Ca. 85.000 íkr / kg

PeptACE



\$1100 / Kg prótein
Ca. 139.000 íkr / kg

623-1015 faldur munur!

Dæmi um virðisaukningu á þangi

Fæðubótarefni

Mjöl



\$0.38 / kg
Ca. 50 íkr

Fibronol



\$760 / kg
Ca. 96.000 íkr / kg

1980 faldur munur!

Lífvirkni rannsóknir hjá Matís



Lífvirkni

- ↓ Oxun
- ↓ Blóðþrýstingur
- ↓ Krabbamein
- ↓ Bólga
- ↓ Kólesteról
- ↓ Blóðsykur

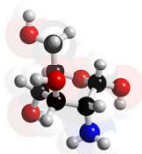
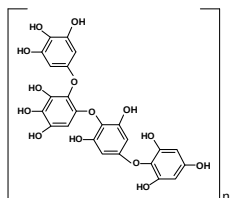
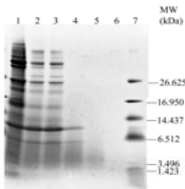
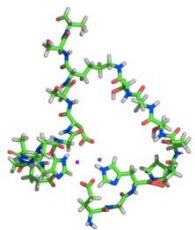
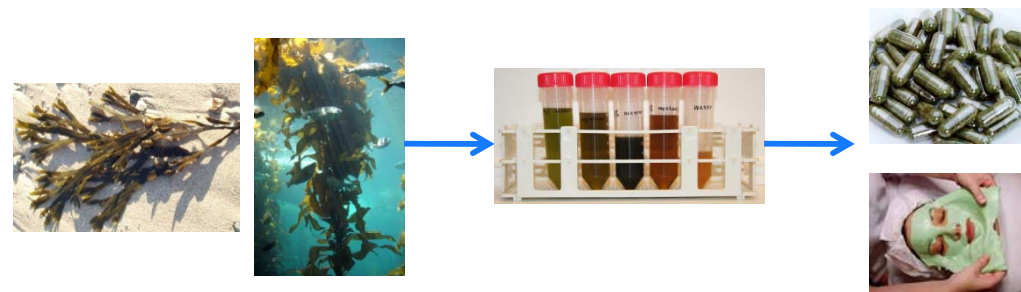
Prótein



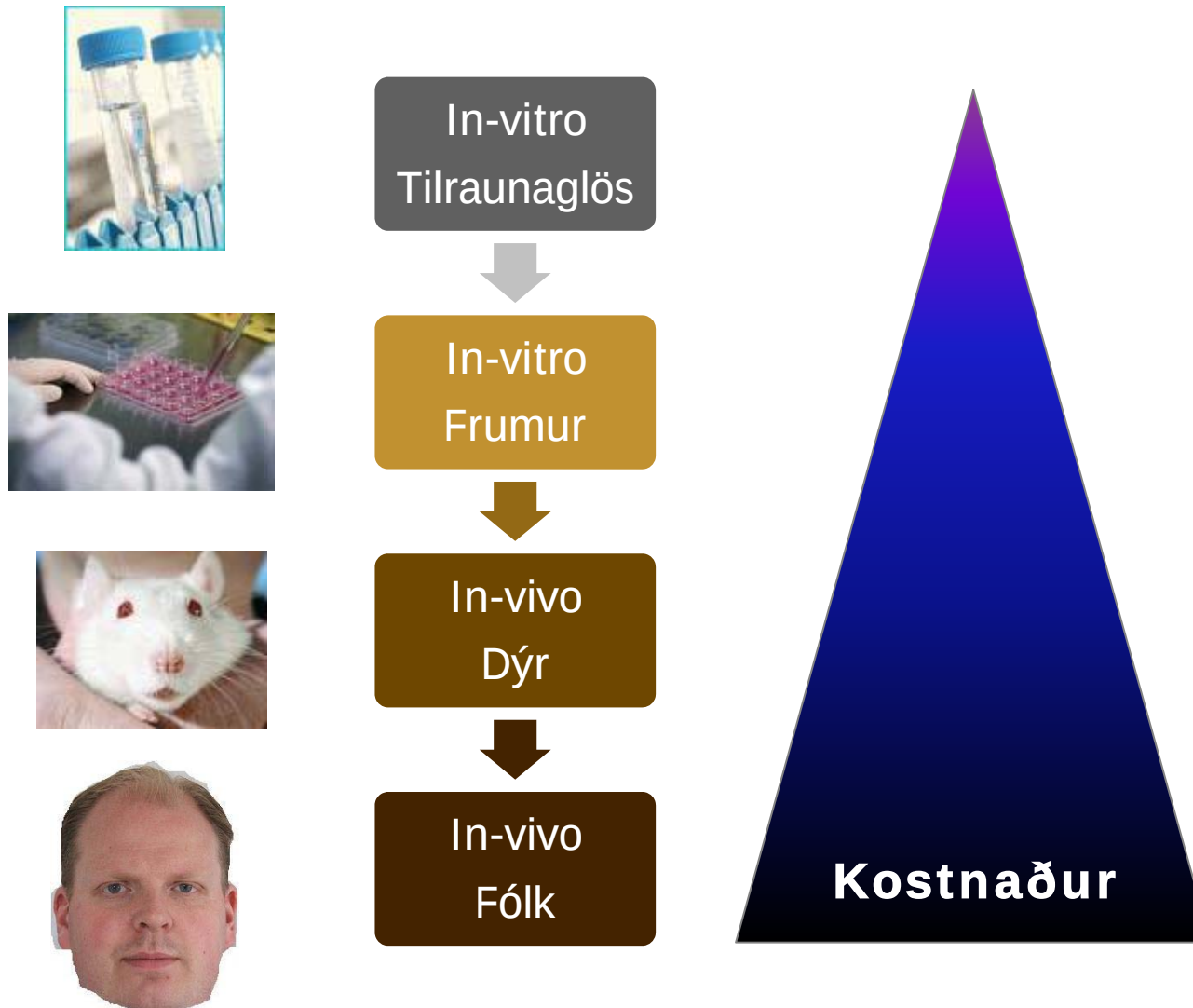
Sykrur



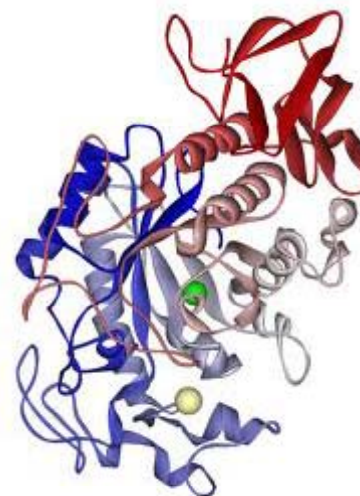
Fjölfenól



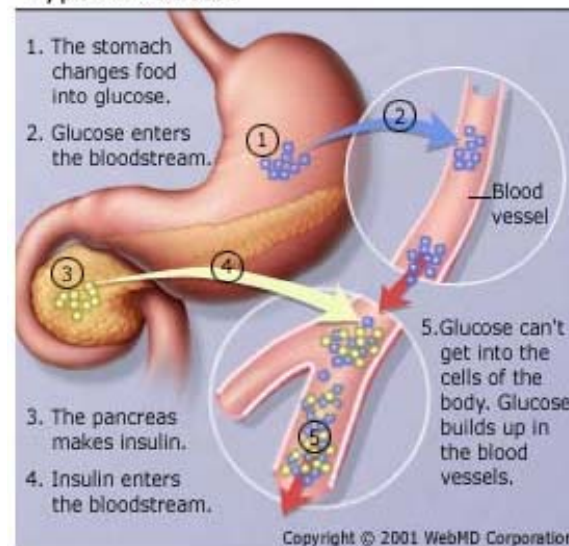
Skrefin við að meta lífvirkni



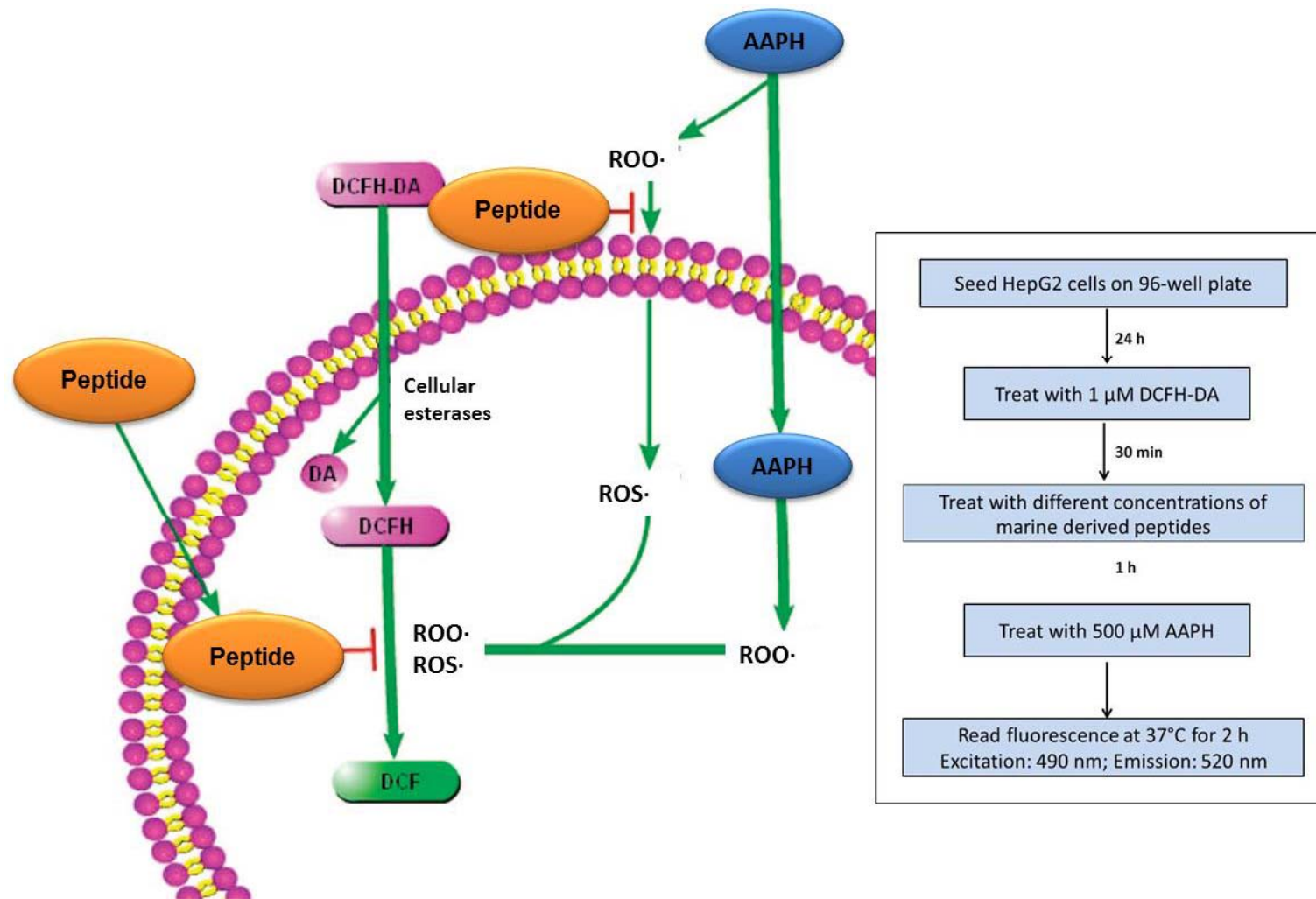
Samples	alpha-amylase Inhibition (%)
rosemary	16,5
green tea(80°C)	58,3
green tea (RT)	31,8
ascorbic acid	35,6
Seaweed Jul11	79,6
Pomegranate	74,2
CodProteinHyd 1	30,5
CodProteinHyd 2	31,4
YsaProteinHyd 1	20,1
YsaProteinHyd 2	6,1



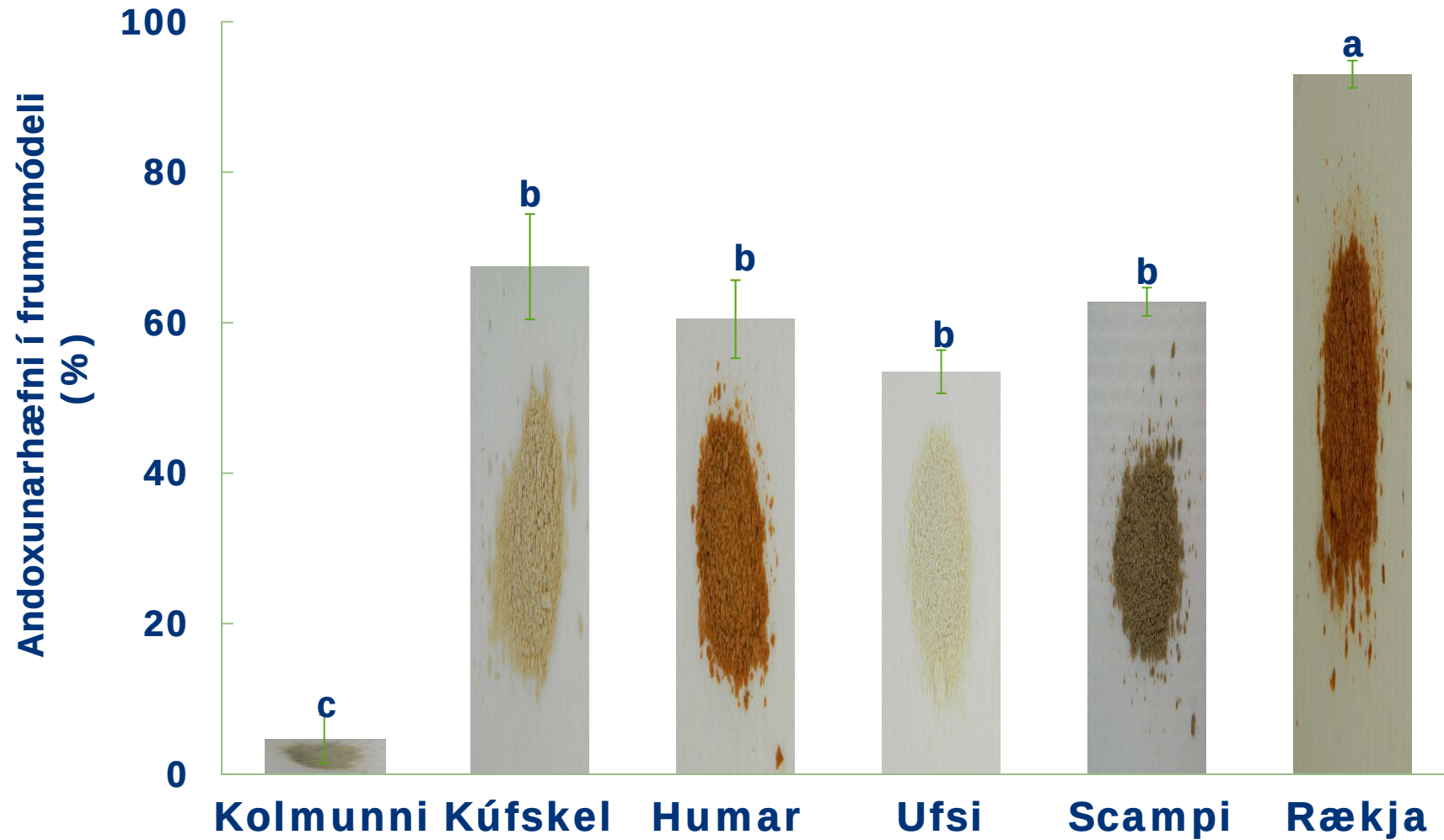
Type 2 Diabetes



Andoxunarvirkni mæld í frumumódeli



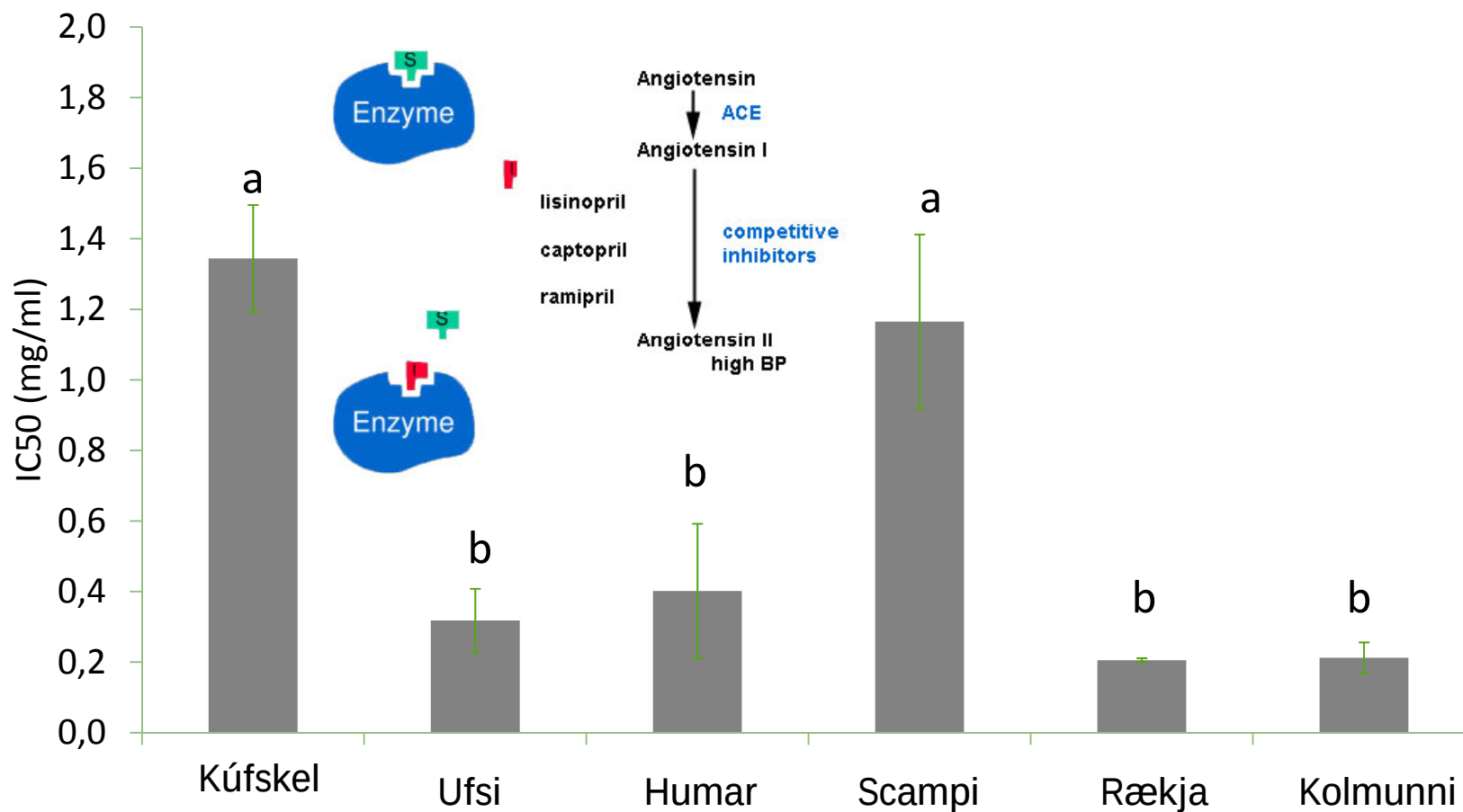
Andoxunarvirkni fiskpróteína í frumumódeli



Blóðþrýstingslækkandi áhrif fiskpróteina



IC50 = magn af peptíði sem þarf til að hemja 50 % af virkni ACE



Skagafjörður - Matvælaiðnaður – Matvælarannsóknir



Takk fyrir.



- **Færri tilfelli af hjarta- og æðasjúkdómum á meðal þjóða sem neyta fiskmetis.**
- **Betri lýðheilsa meðal þjóða við Miðjarðarhafið.**

Lífvirk efni í matvælum



Glúkósamín

Fjölfenól

Plöntusterín

Vítamín

Trefjar

Einómettaðar fitusýrur

Fjölómettaðar fitusýrur

Prótein

