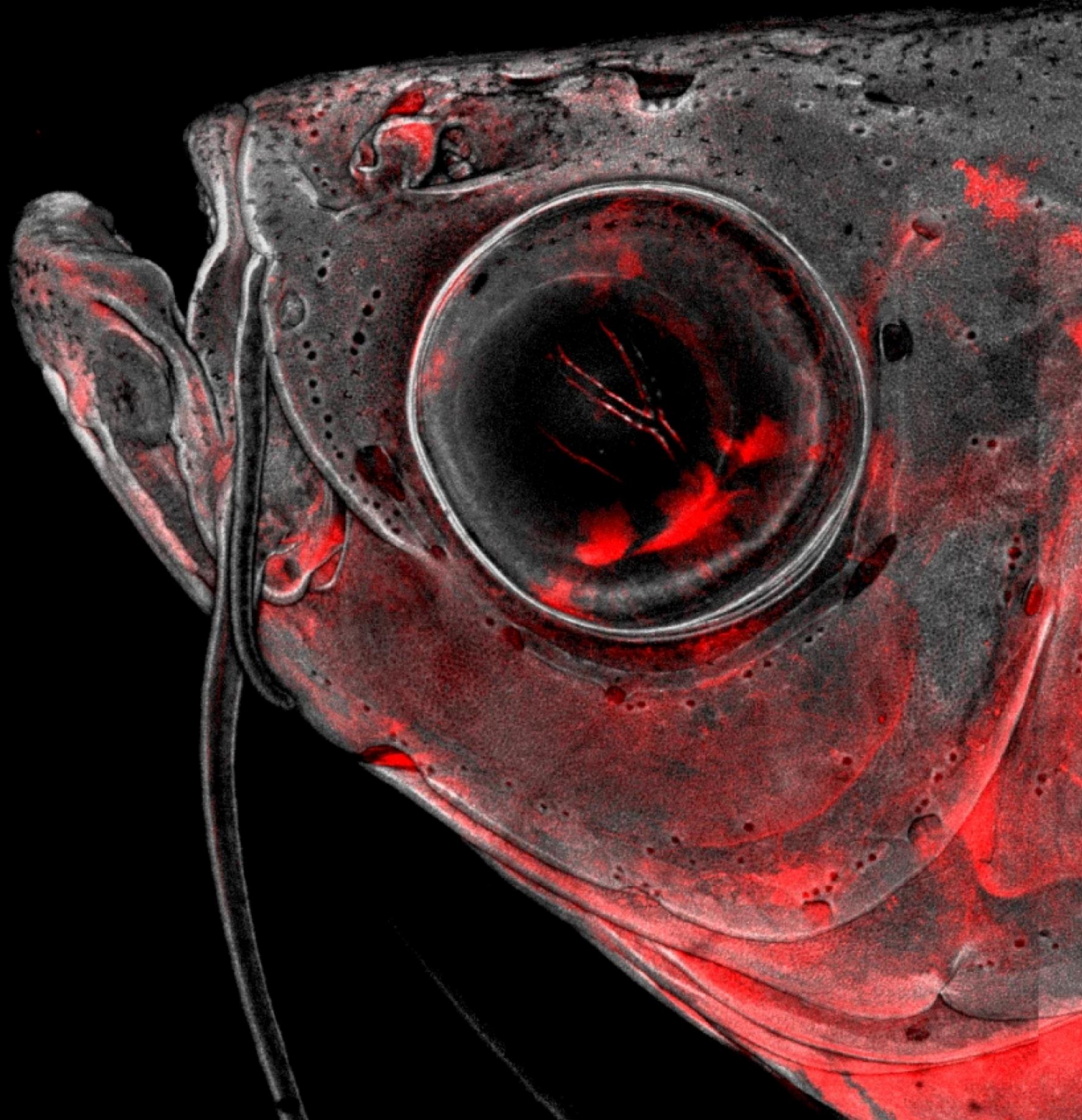
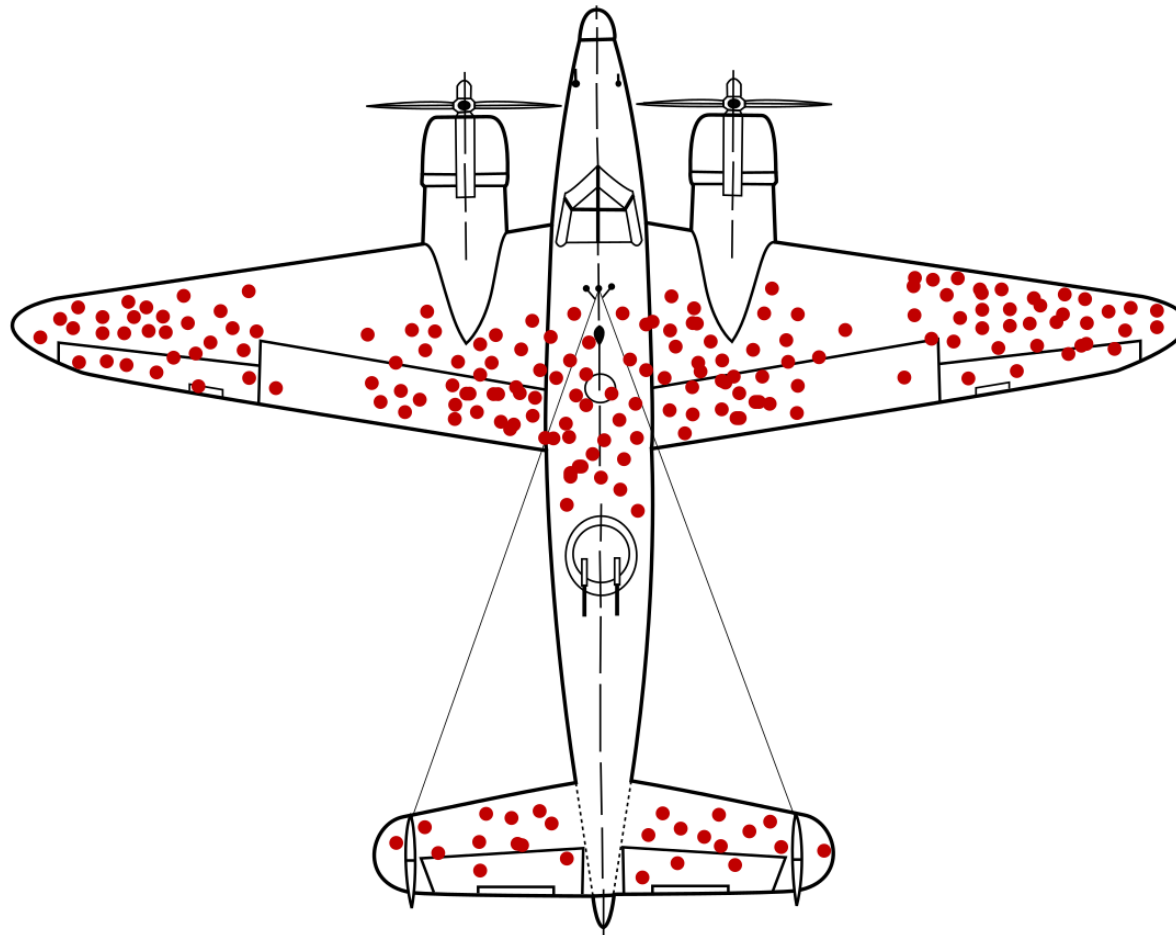


How to write a competitive ERC proposal?

Peter Fabian
Technology Centre Prague
2023-11-15

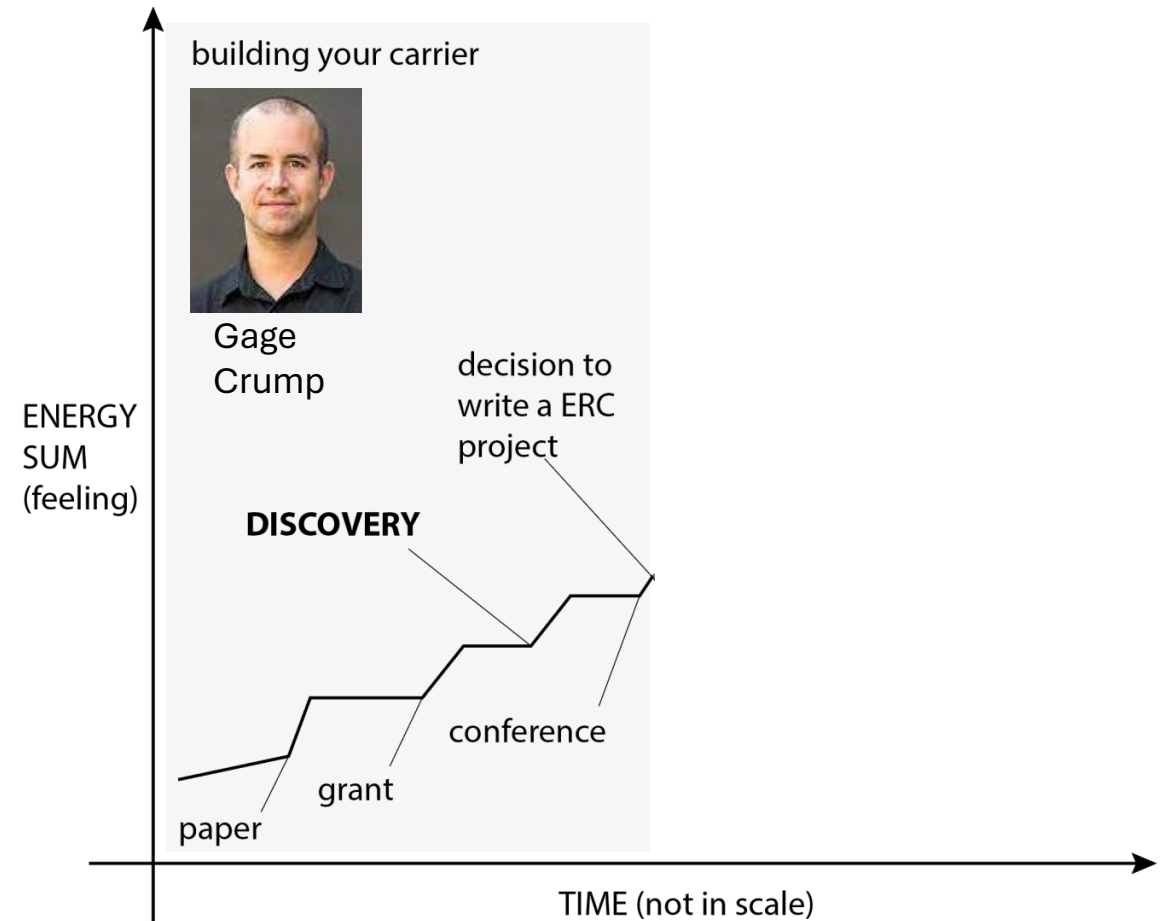


Disclaimers



My perspective on key strategies for a successful ERC proposal

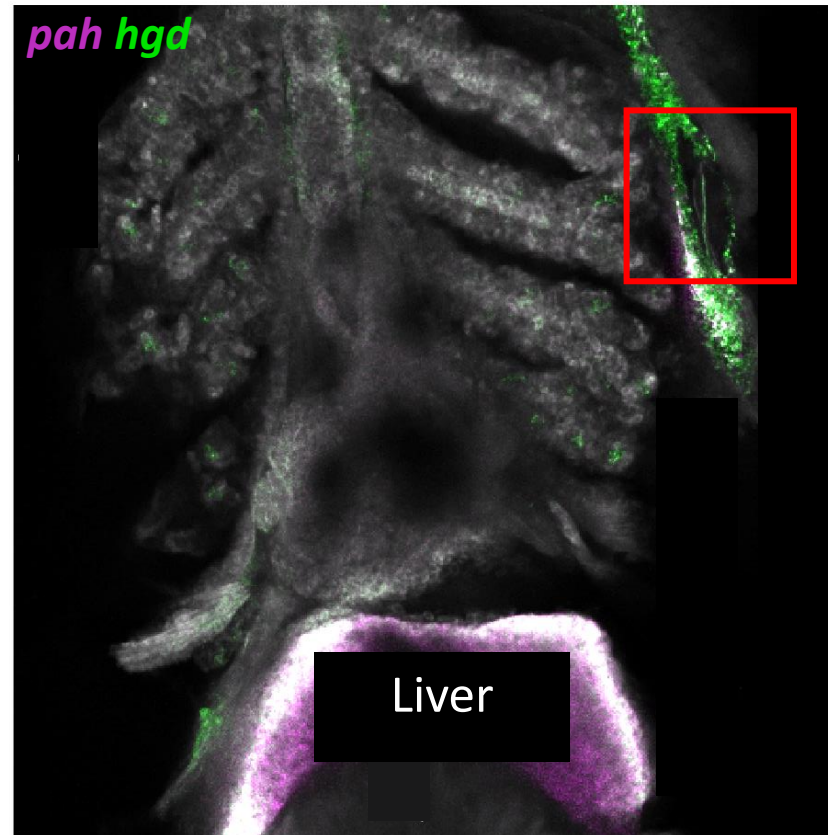
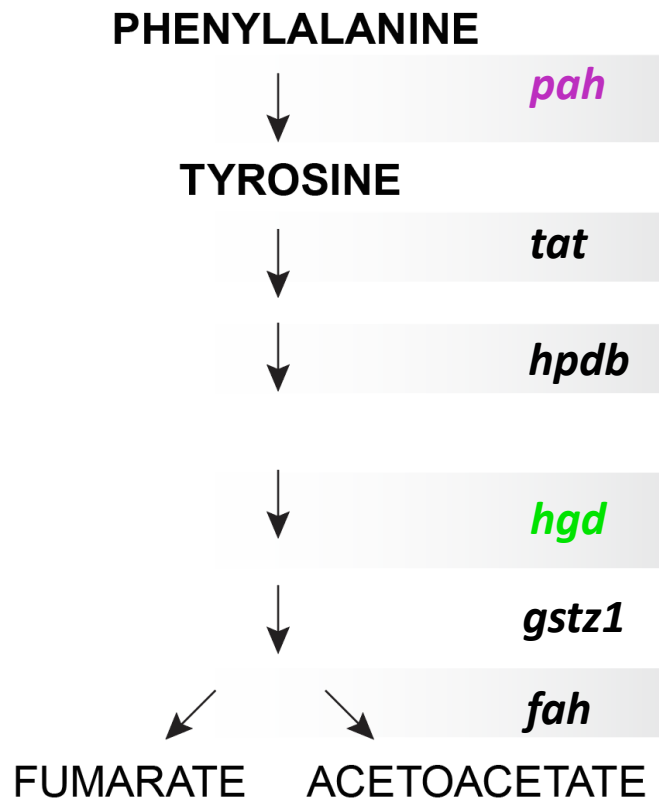
- High Risk/Gain, Significant, and Innovative
- Two parts: B1 (5 p), B2 (15 p)
- Build your network
 - Professionals: panelists, ERC winners
 - Non-professionals: important for communicating clearly and effectively, both in writing and in interviews
- Grant coordinator



Deliver clear a message of novelty

Discovery: The Phe/Tyr degradation outside the liver

Previously: Solely in the liver



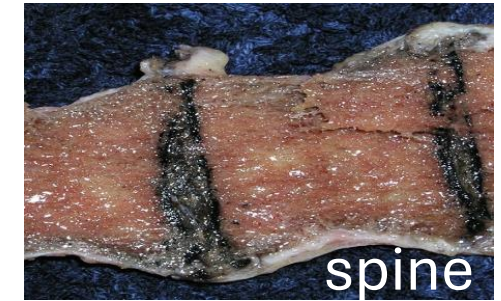
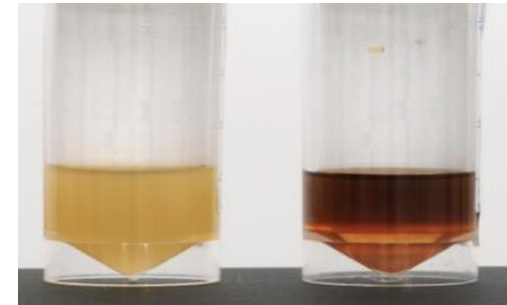
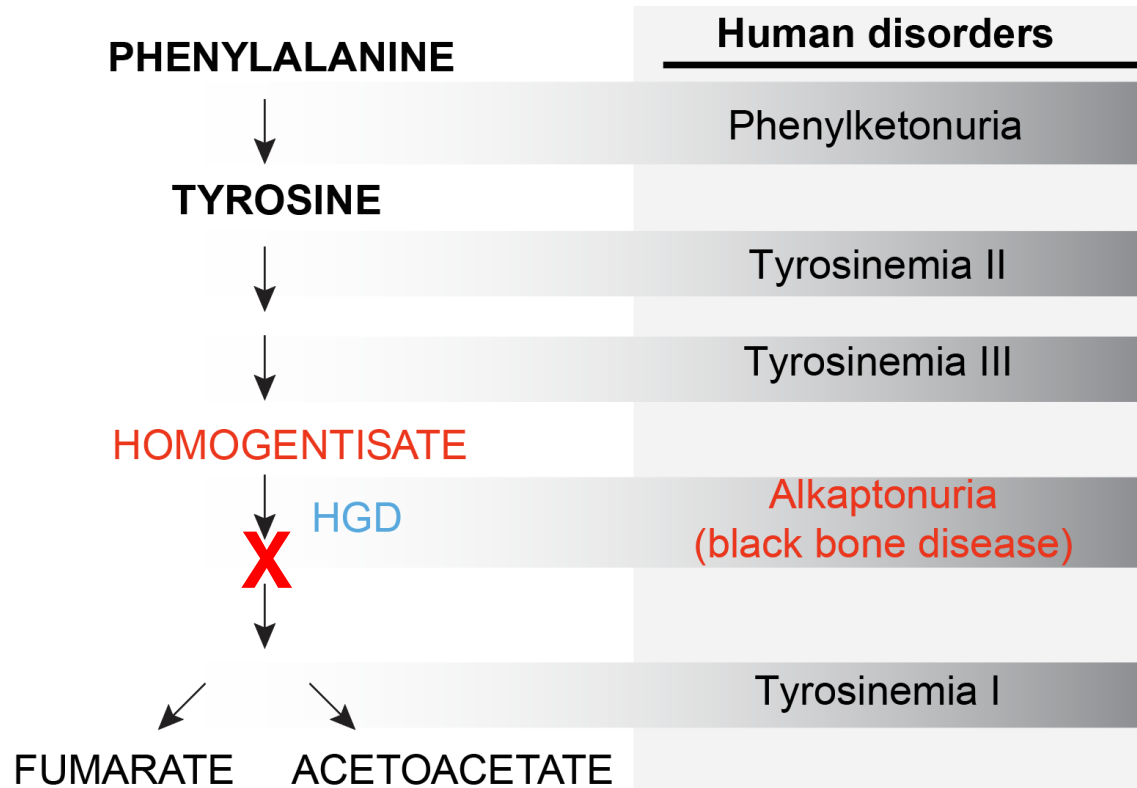
Fabian et al, unpublished

Enriched genes in the dermal fibroblasts

- 1 *hpdb*
- 2 *gyg1b*
- 3 *chl1a*
- 4 *rgs4*
- 5 *bhmt*
- 6 *tat*
- 7 *pah*
- 8 *hgd*
- 9 *mdh1aa*
- 10 *qdpra*
- 11 *mdka*
- 12 *pcbd1*
- 13 *ptgdsb.1*
- 14 *ttc36*
- 15 *ucp2*
- 16 *pck1*
- 17 *mmp13a.1*
- 18 *vcanb*
- 19 *krt91*
- 20 *gstz1*

Demonstrate that your project extends beyond the scope of your field.

Beyond basic biology: clinically important conditions



Hgd mutant

hgd mutant



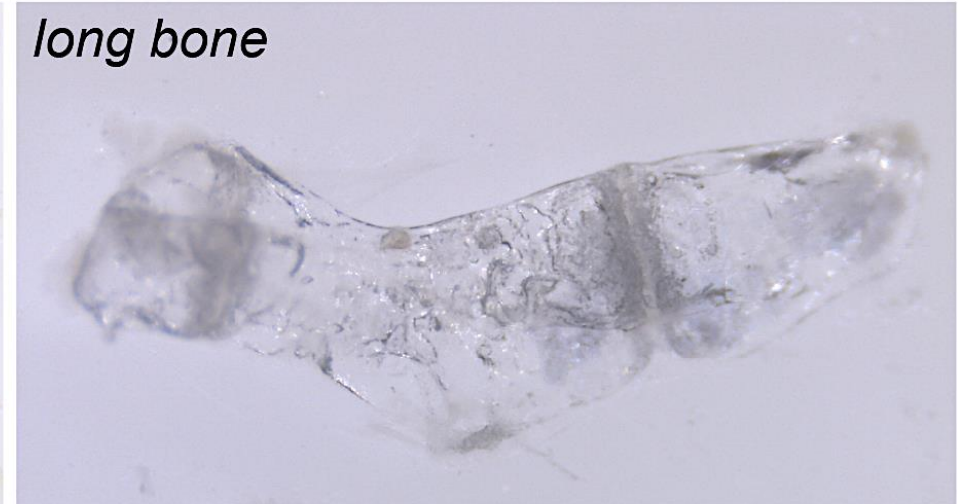
?



~~black bones~~

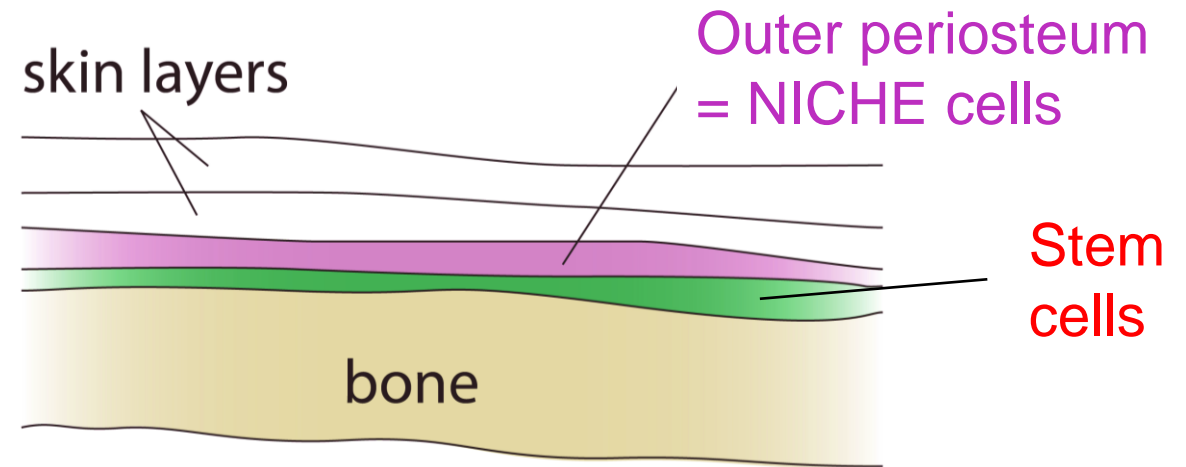
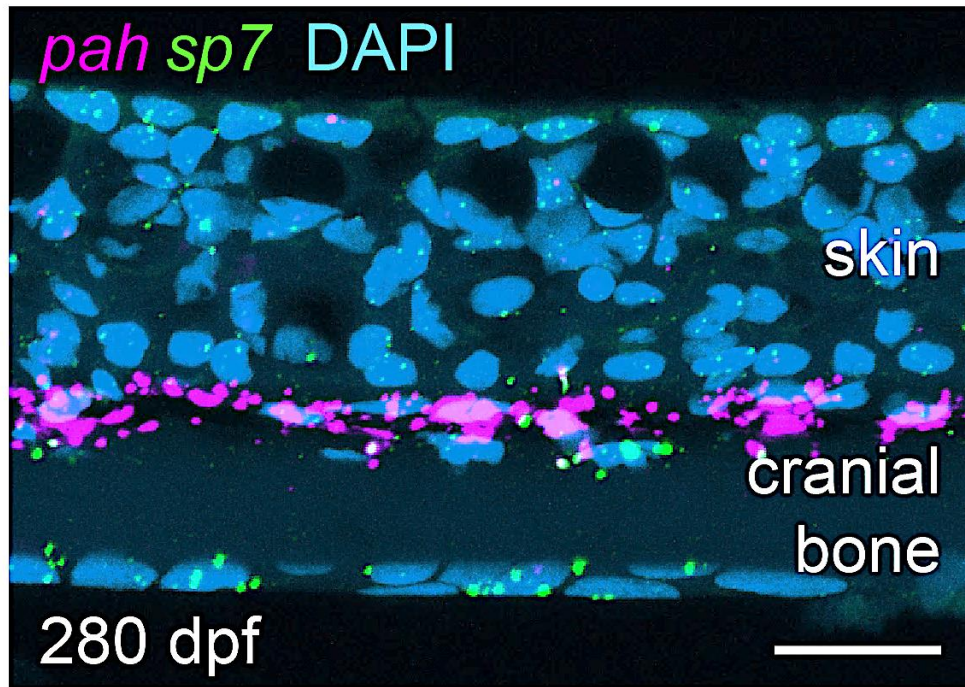
Preston et al., 2017

Zebrafish *hgd* mutant recapitulates darkening of the skeleton



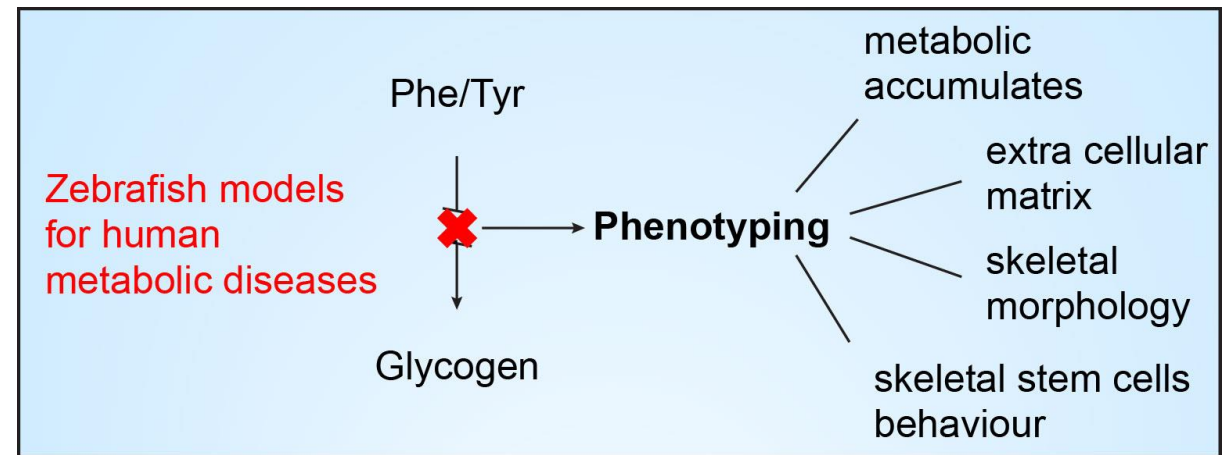
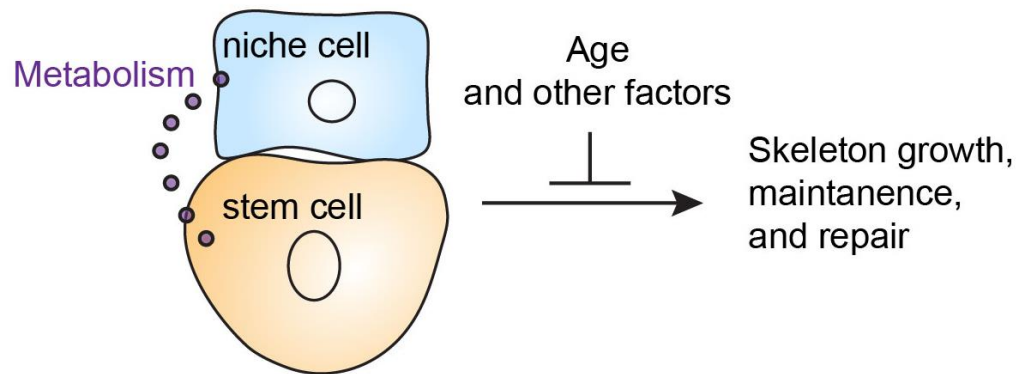
New synthesis

Hypothesis: Cells in outer periosteum degrade the Phe/Tyr locally and function as NICHE cells



Fabian et al., 2022

Enhance the reader's experience of your proposal by employing suitable language and incorporating relevant figures



Godspeed with your project!

