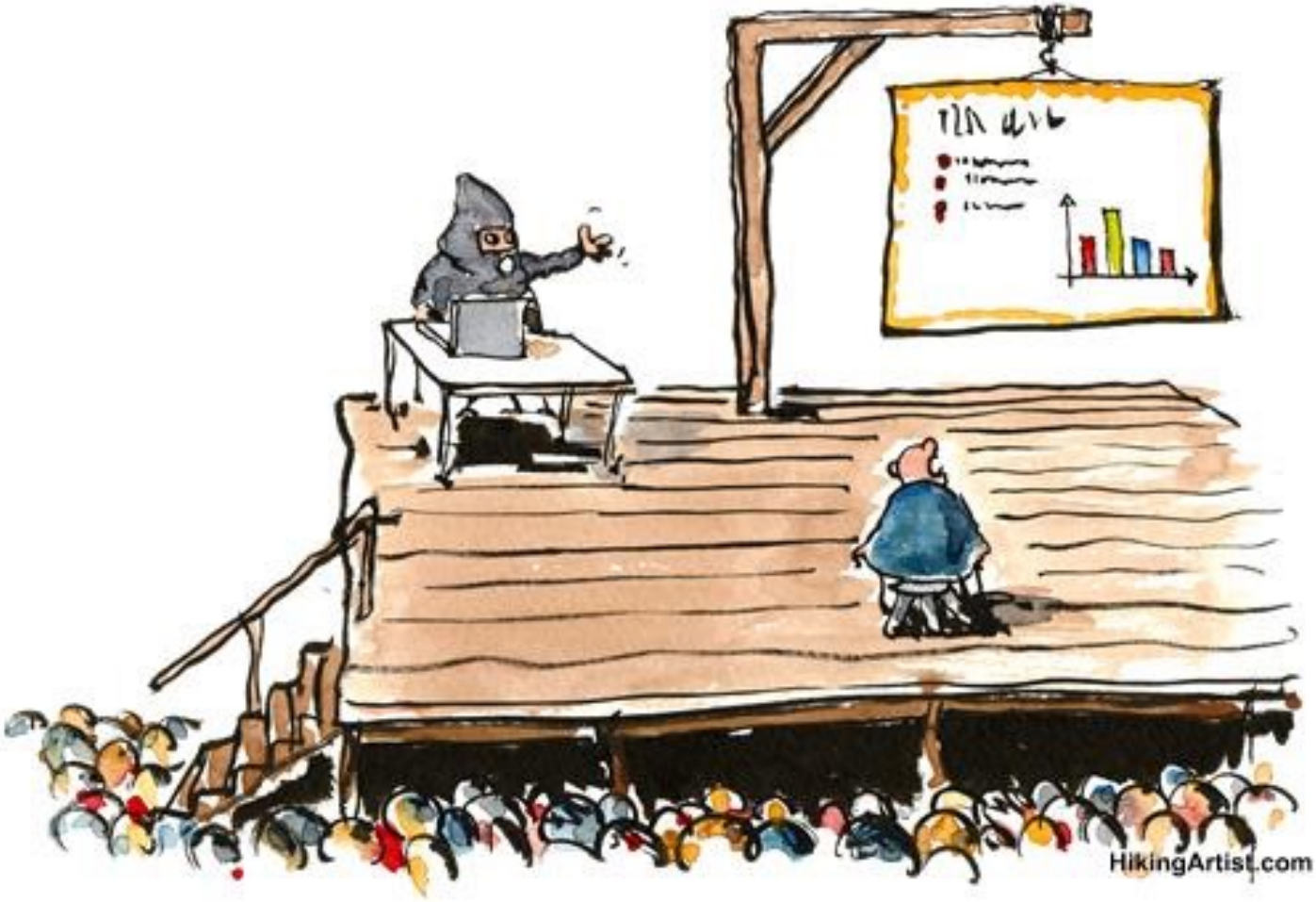
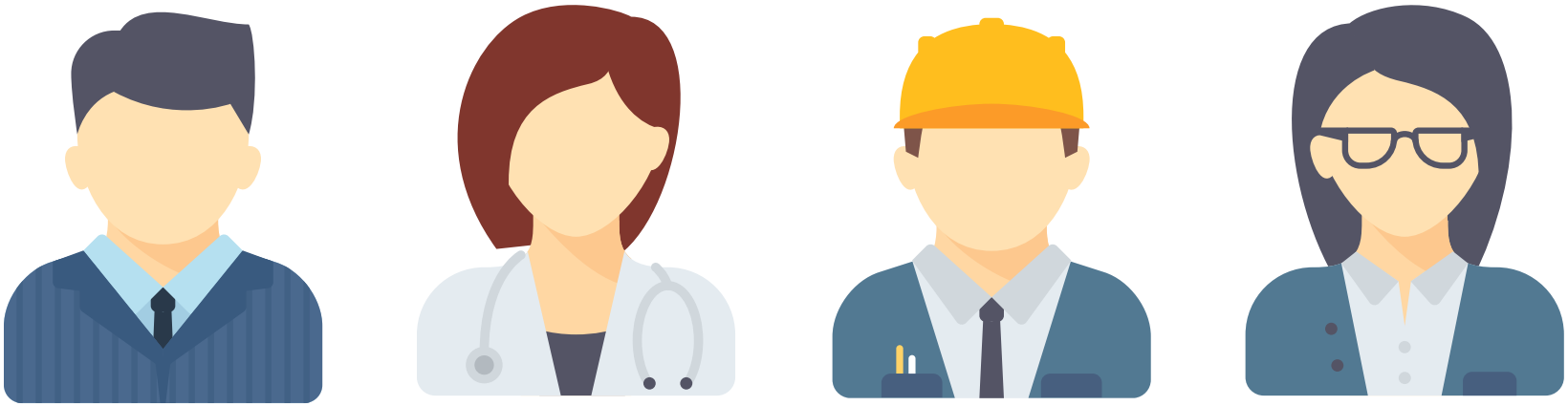
How to create outstanding technical & scientific presentations

Erik Reinertsen
@erikrtn

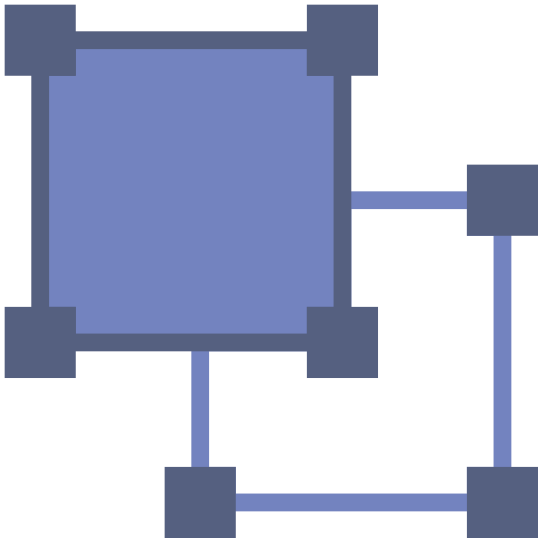
Death by PowerPoint



Presenting is a vital skill for any career

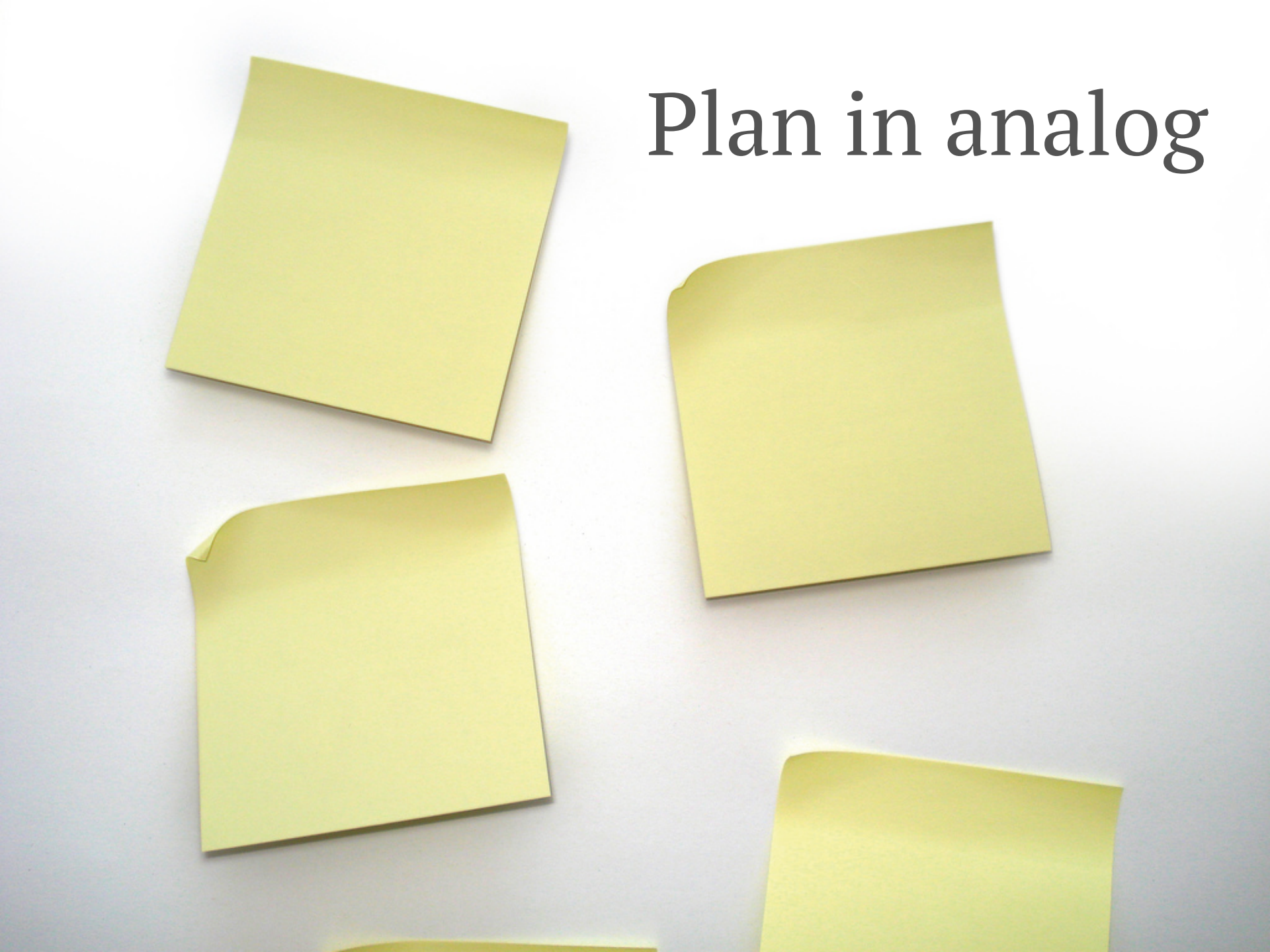


Planning & design

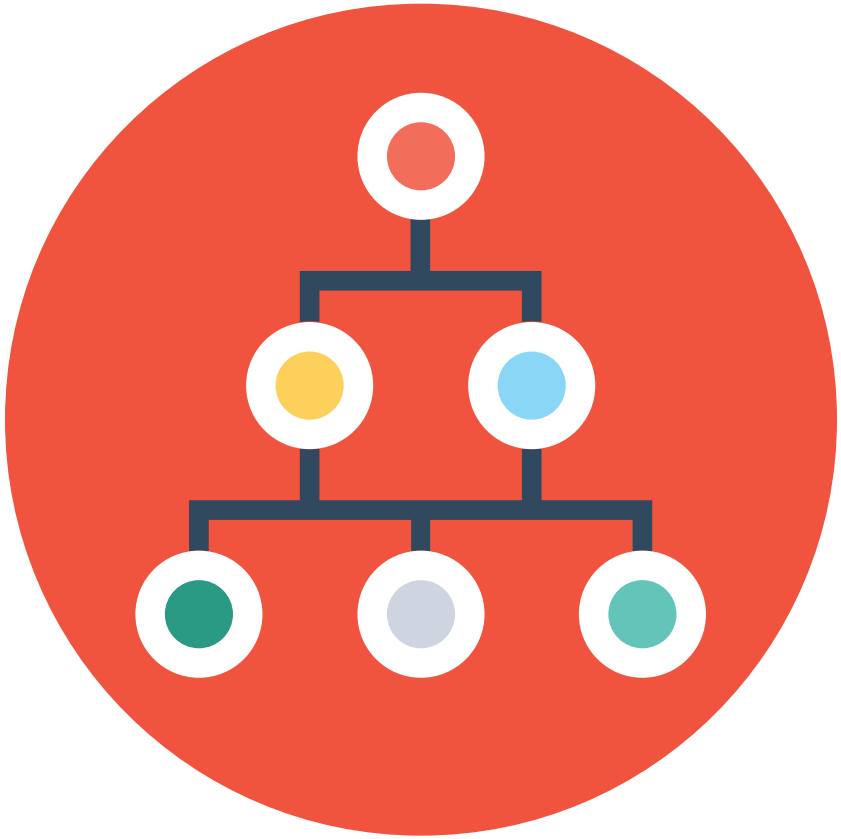


Workshop

Plan in analog



One idea, one talk, one title



Structure

Context

Content

Conclusion

Kording & Mensh. Ten simple rules for structuring papers. bioRxiv. 2016.

Abstract

Intro to field.
Intro to problem you solve.
Here we do…
We found…
Why it matters.

Introduction

Big problem
Narrow problem
Paper problem

→ Context
What field knows
Remaining gap

Summary

→ Our approach
Results

Results

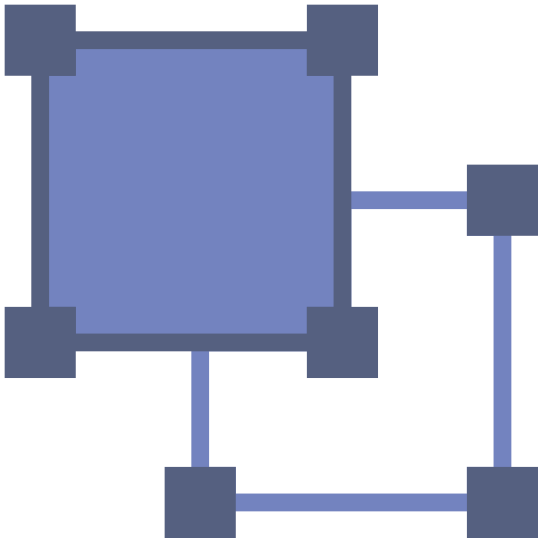
What we found → We found…
We filled gap

Limits: filling gap → Limitation
Limits: generalization → Details
How to fix

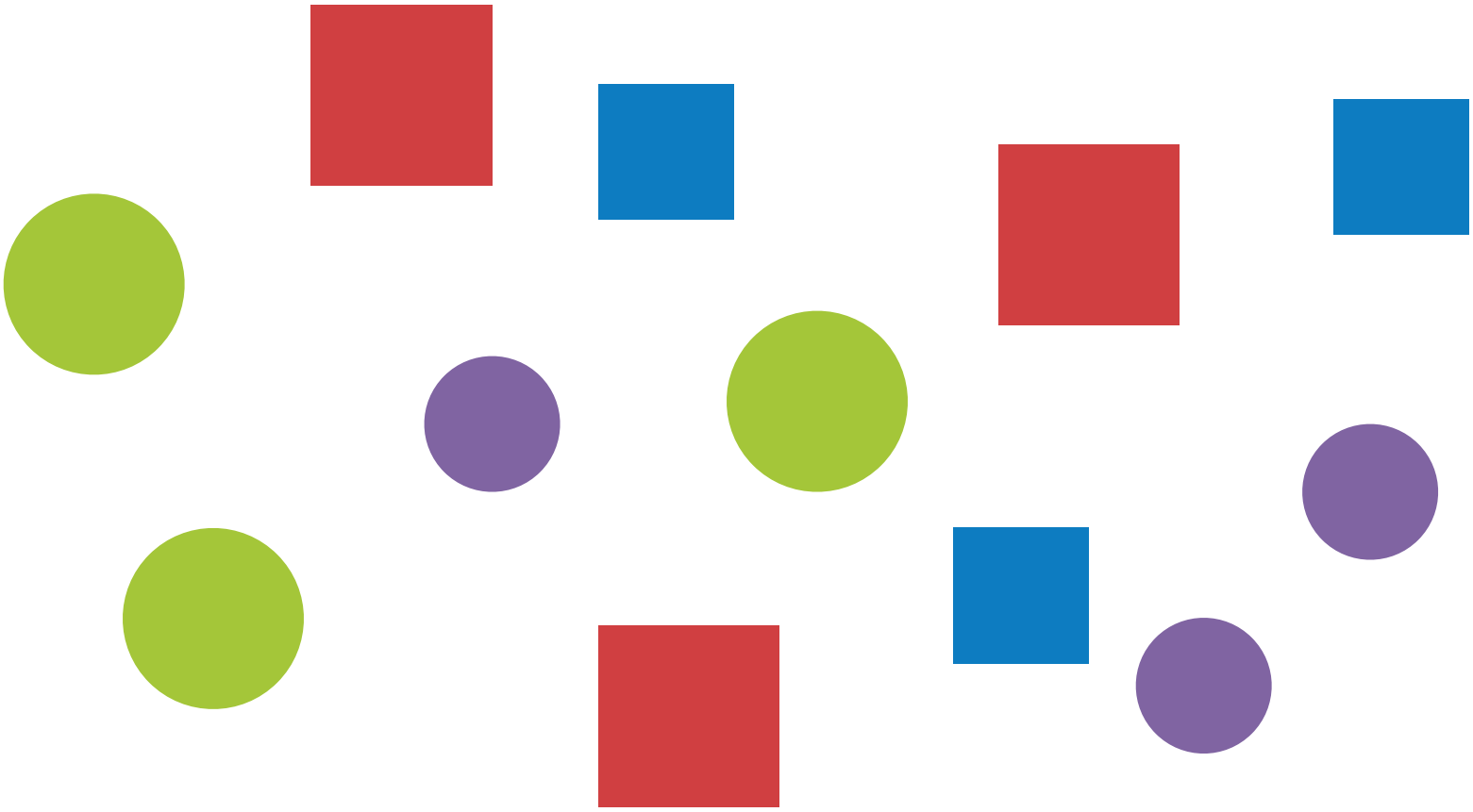
Broad contribution → Strength
Utility
Difference

English Communication for Scientists
Unit 4: Giving Oral Presentations
https://goo.gl/07ZCBA

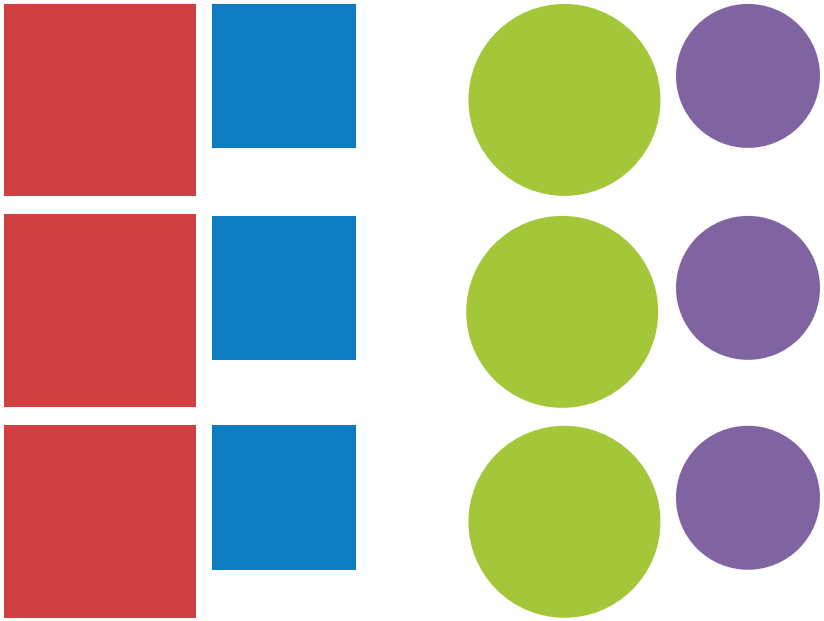
Planning & design



Design is not decoration



Design is clarity!

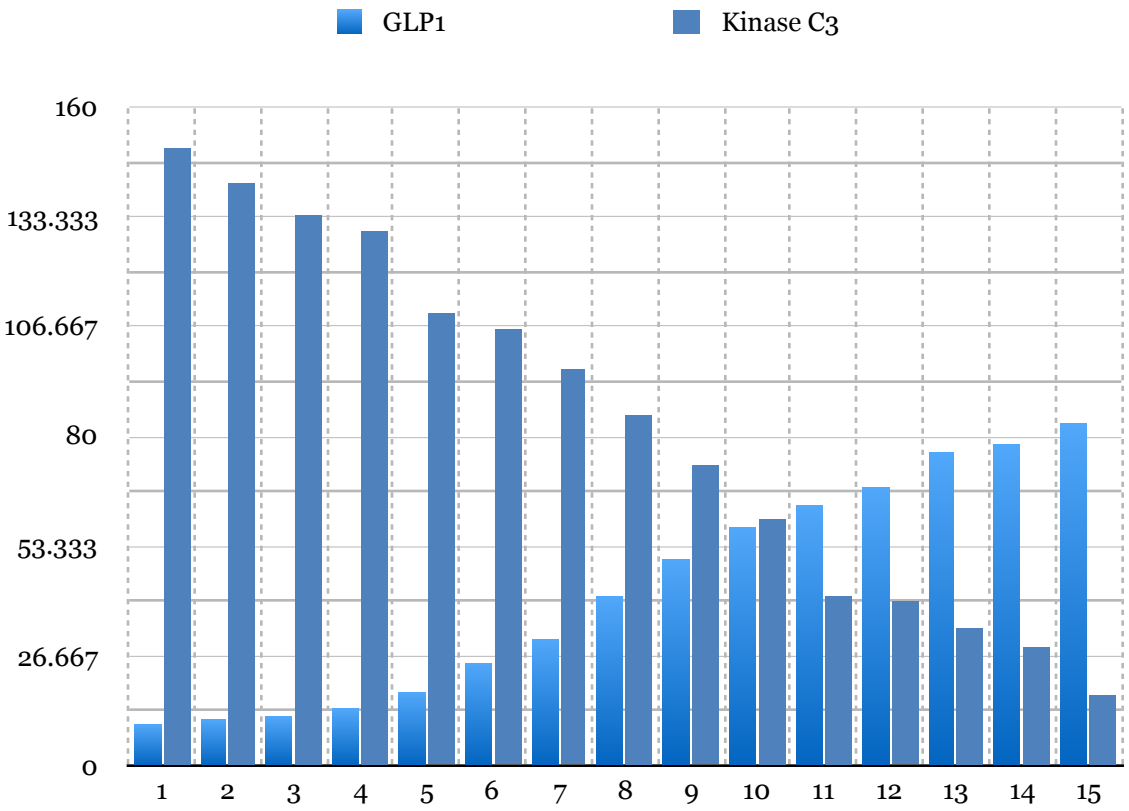


Design adds credibility

Design is doable

8 simple design tips

Figure 1: Analysis of protein levels in tumor lysate



1. Let the figure do the work

…but sometimes you have to use words, so choose carefully.

- 42% thrust increase
- 15% cost reduction
- No weight change

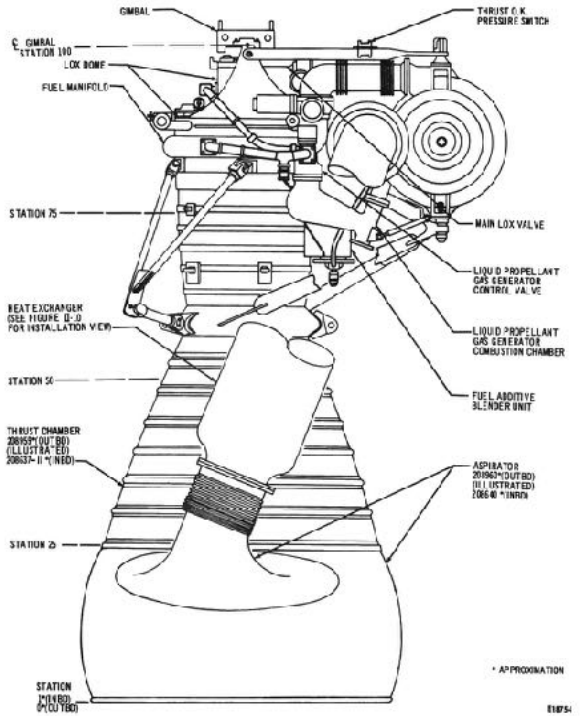


FIGURE II-3 H-1 ENGINE - INFORMATION ILLUSTRATION (Sheet 1 of 2)

2. Don’t use templates.

Protein BS529Z mediates kinase binding-dependent dentin production.
January 14th, 2017
Daniel Kim
PhD student
Department of Science
University of Somewhere

재미한인과학기술자협회
KSEA
Korean-American Scientists and Engineers Association

EMORY UNIVERSITY
Department of Biomedical Informatics
Emory University School of Medicine

Georgia Tech
Wallace H. Coulter Department of Biomedical Engineering
Georgia Tech College of Engineering and Emory School of Medicine

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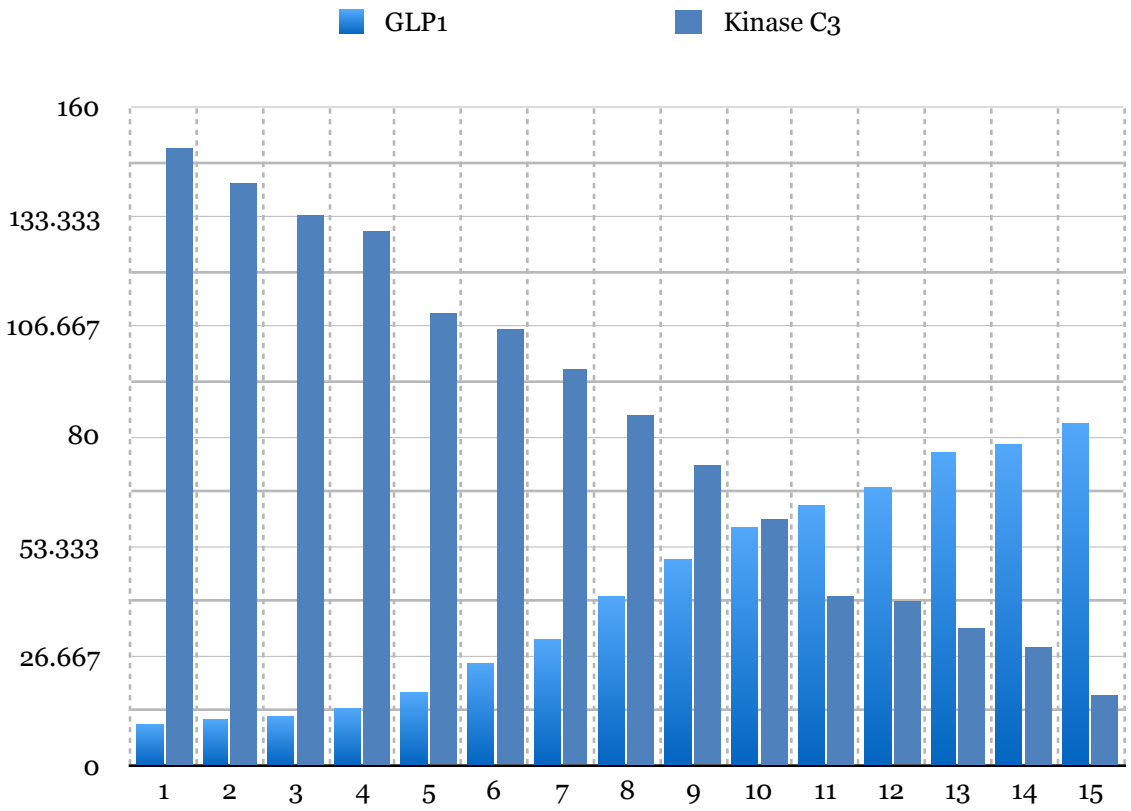

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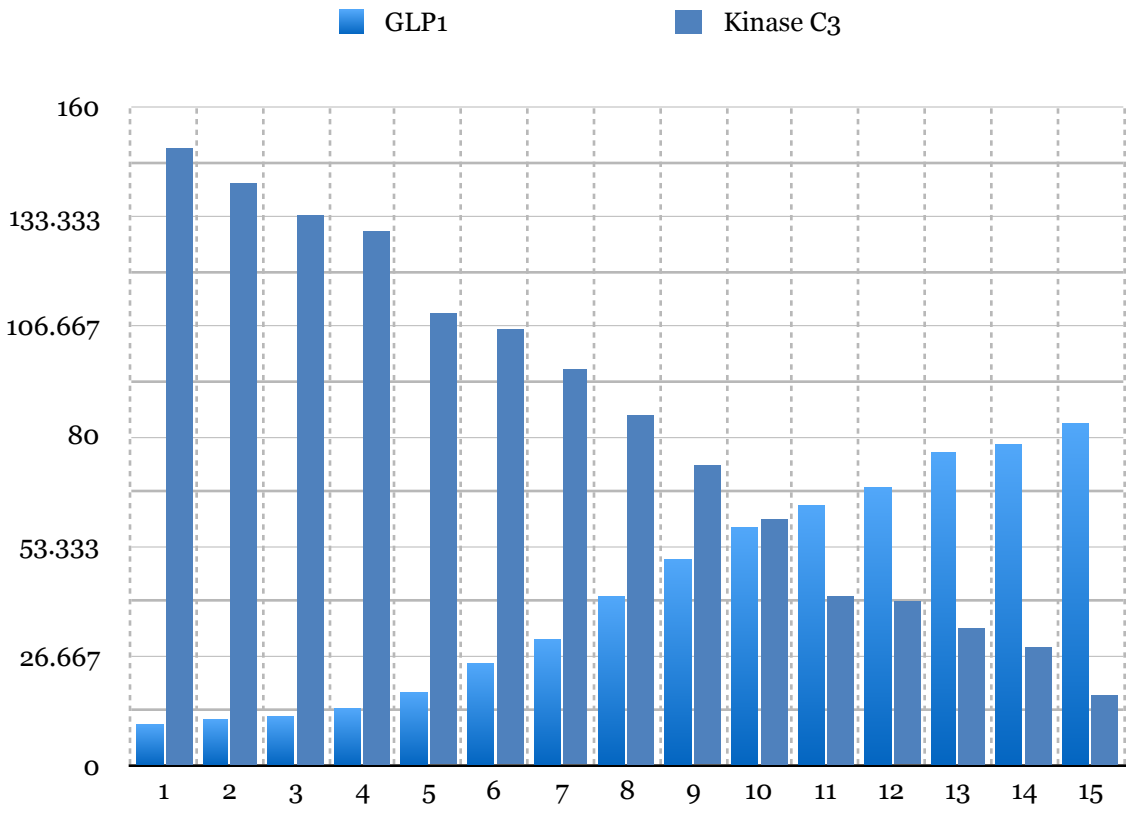

3. Use the proper figure

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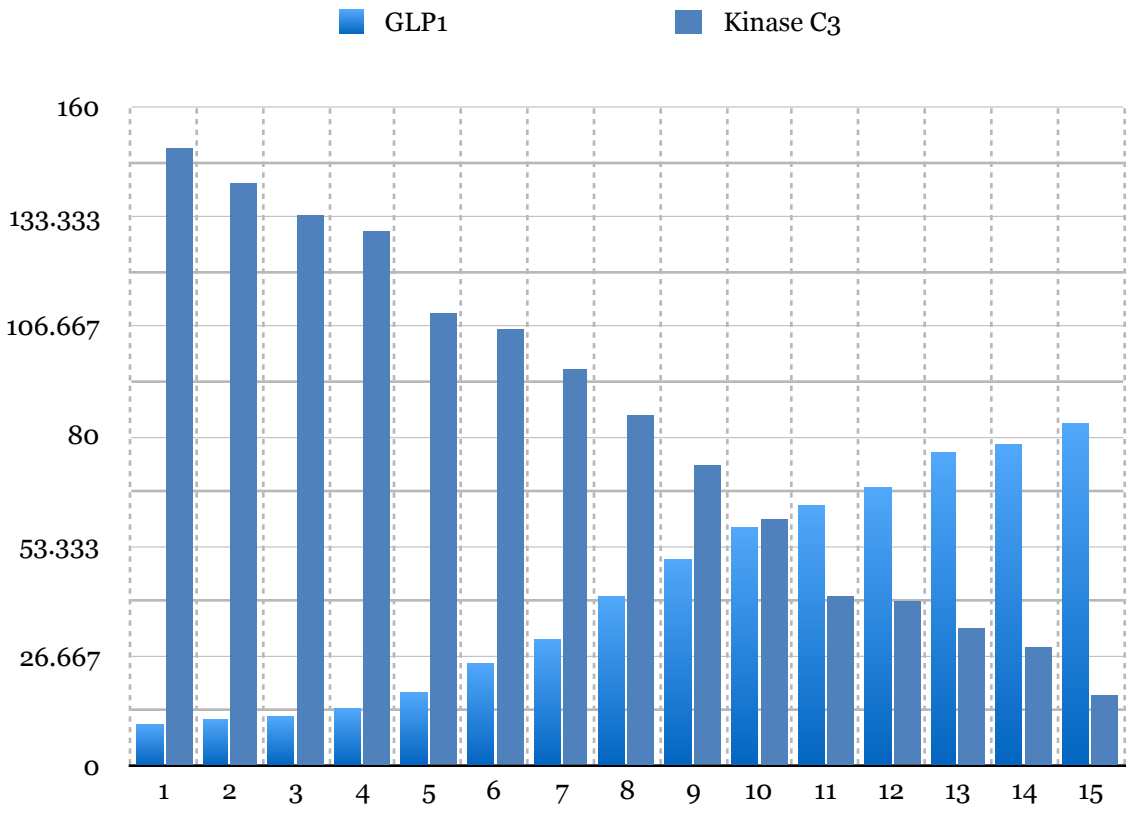

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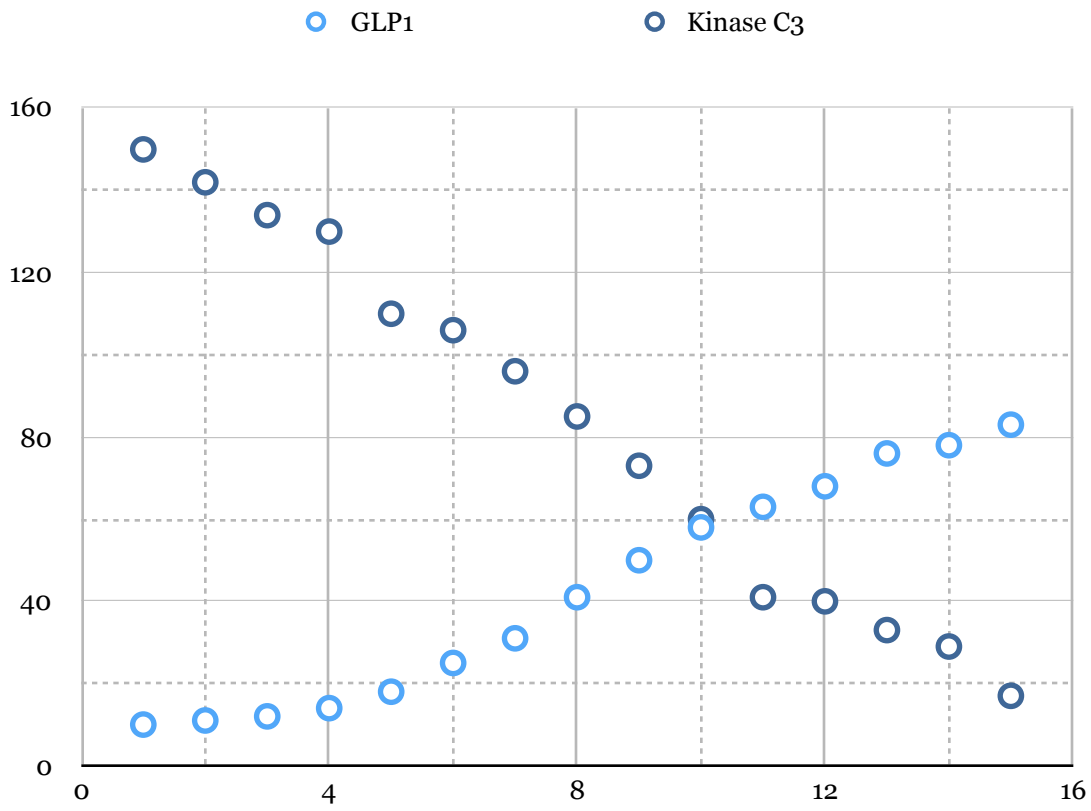

4. Add signal, remove noise

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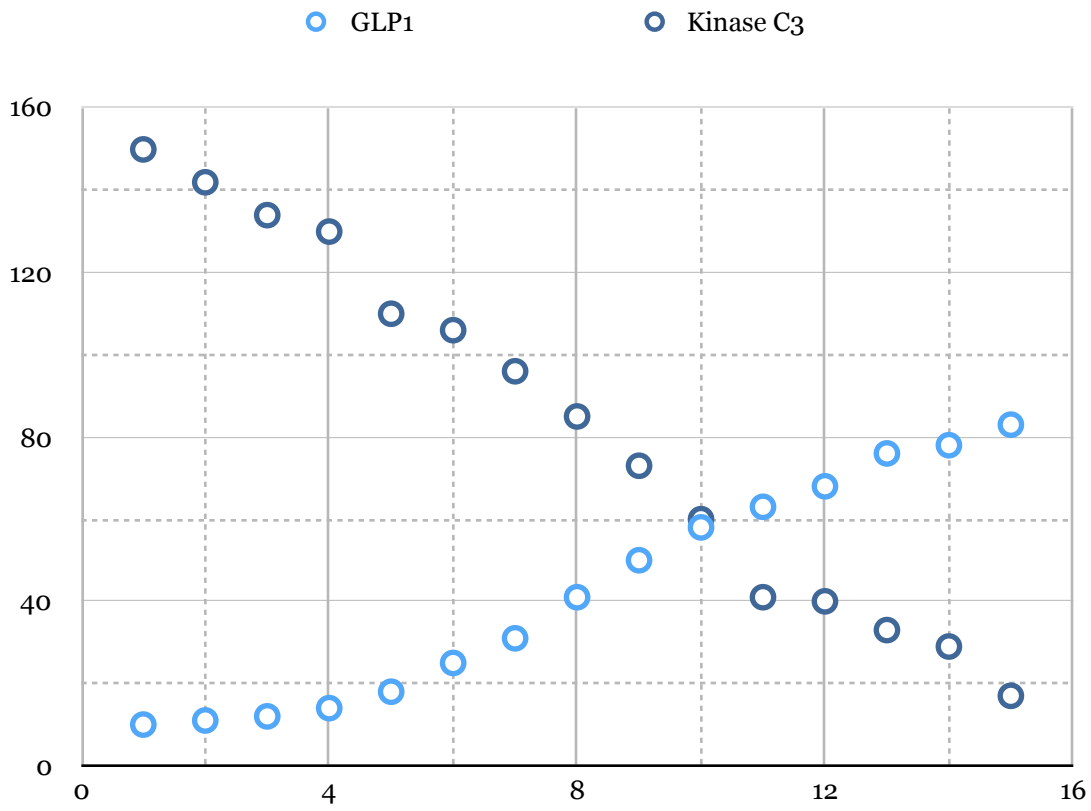

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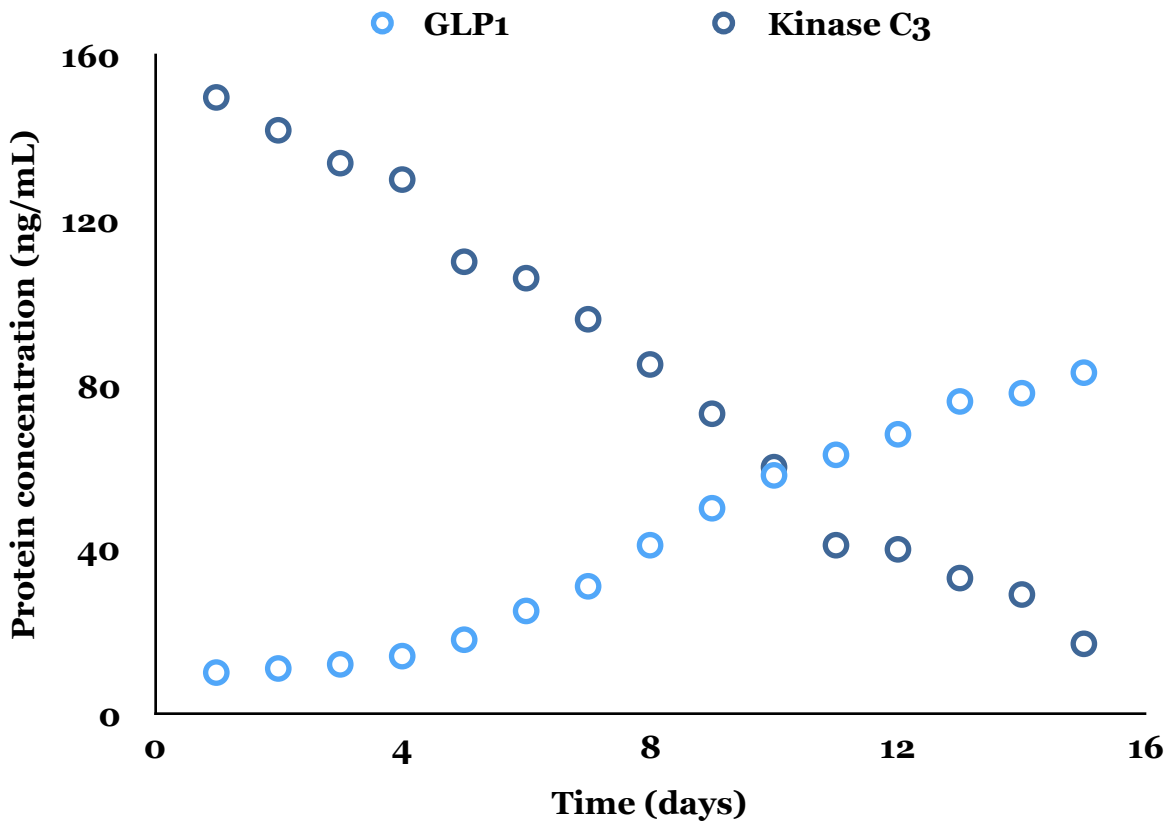
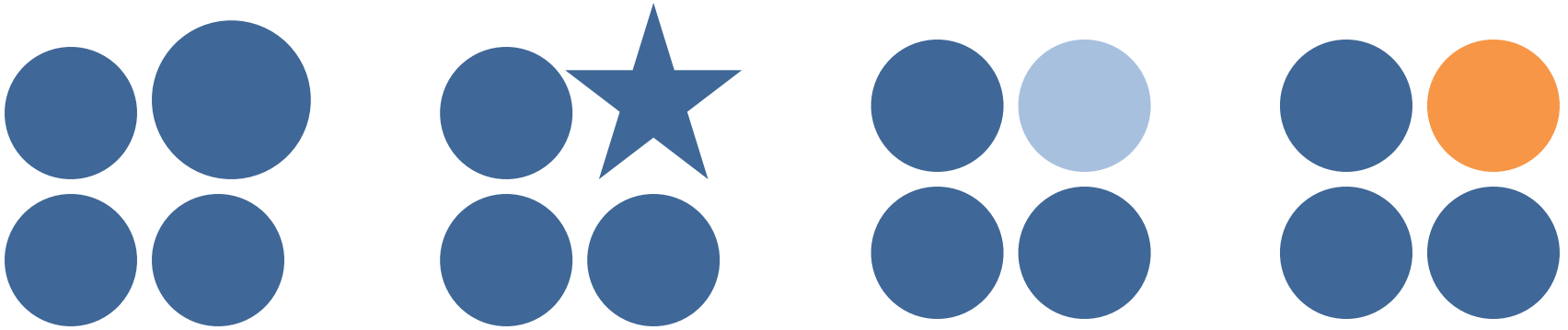


5. Use contrast



size shape shade color

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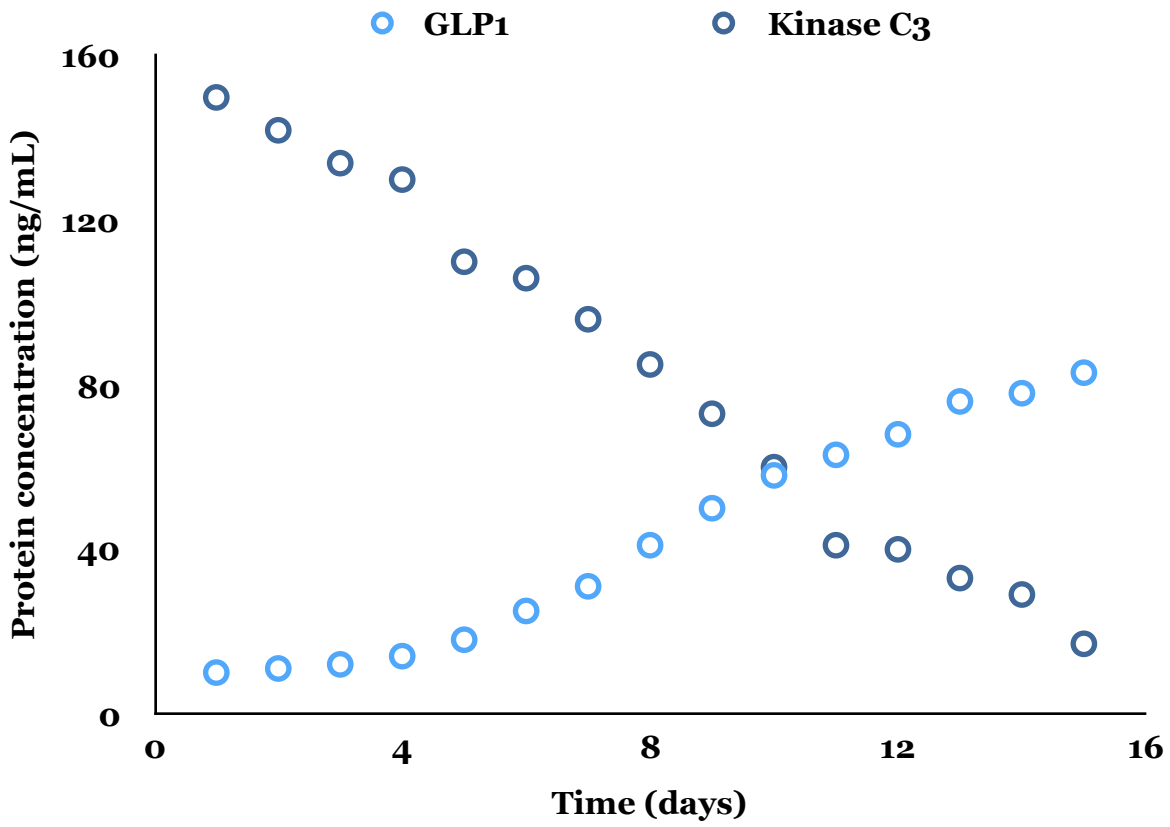

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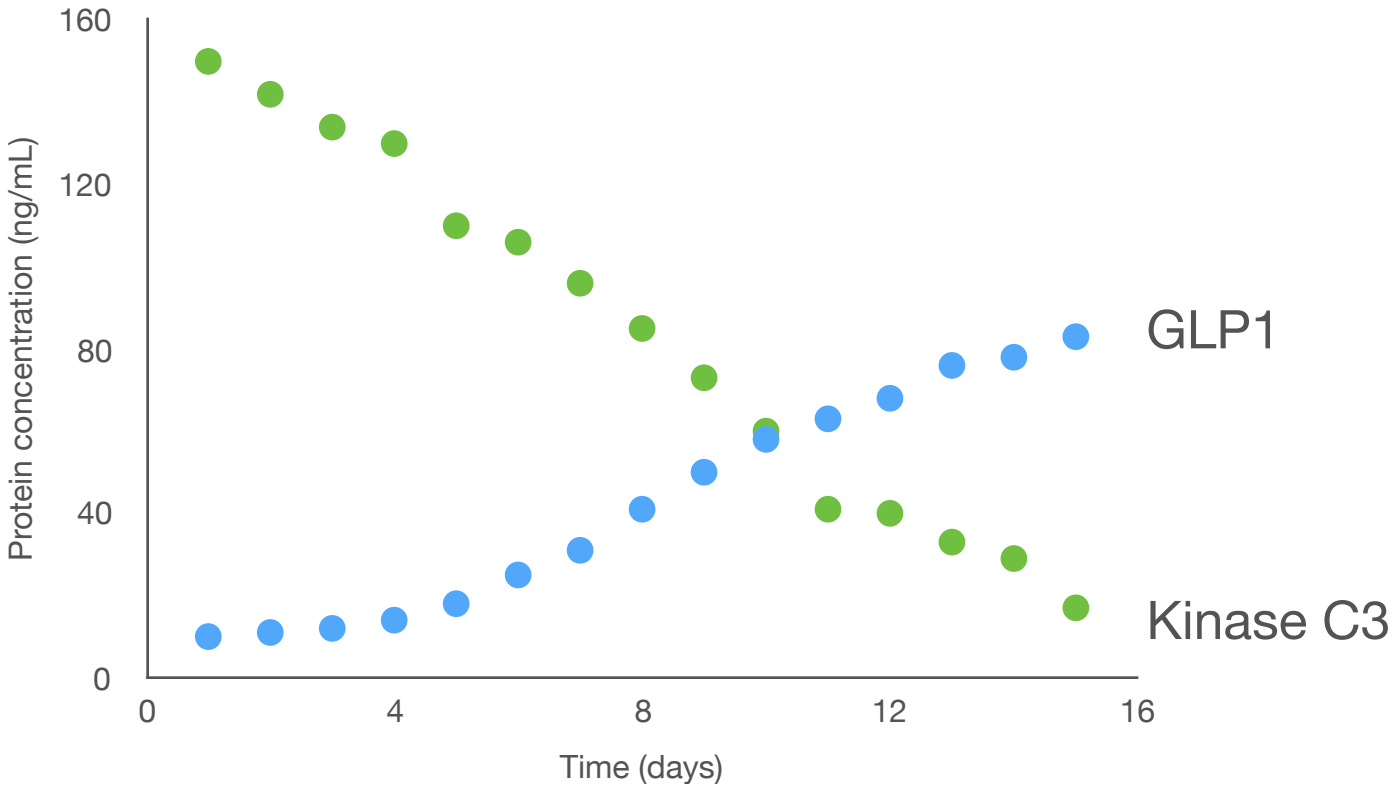

6. Use sexy fonts

Serif

Sans serif

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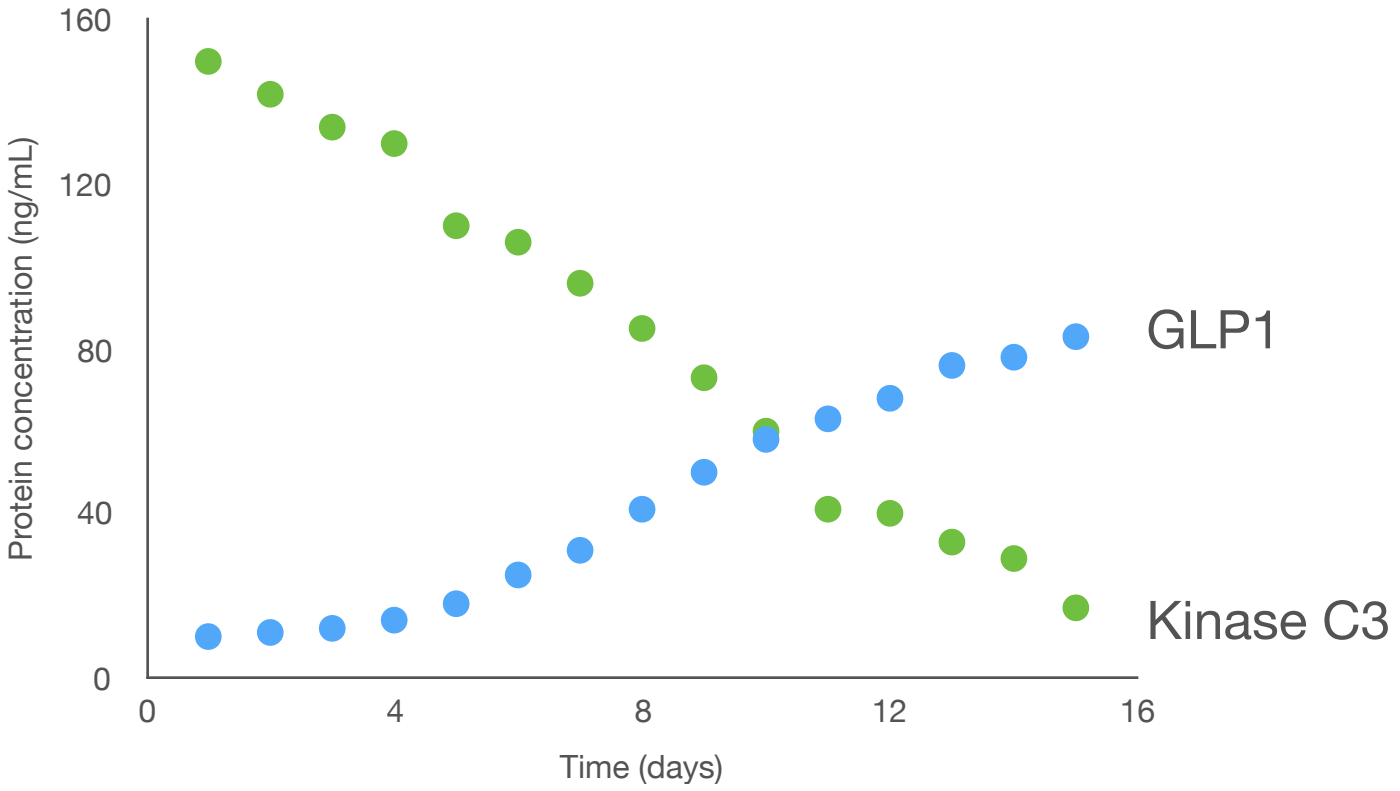

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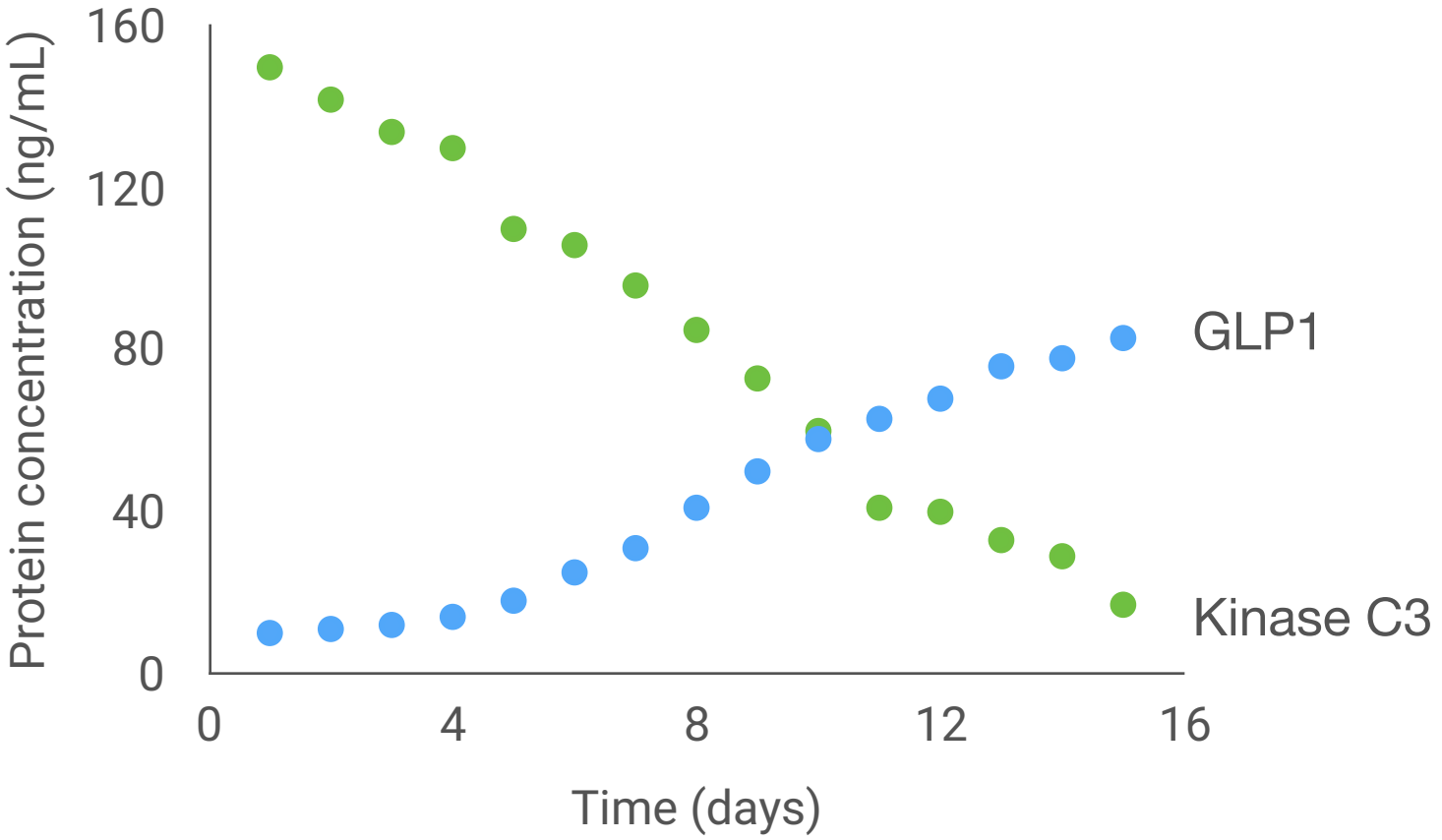

7. Use proportion

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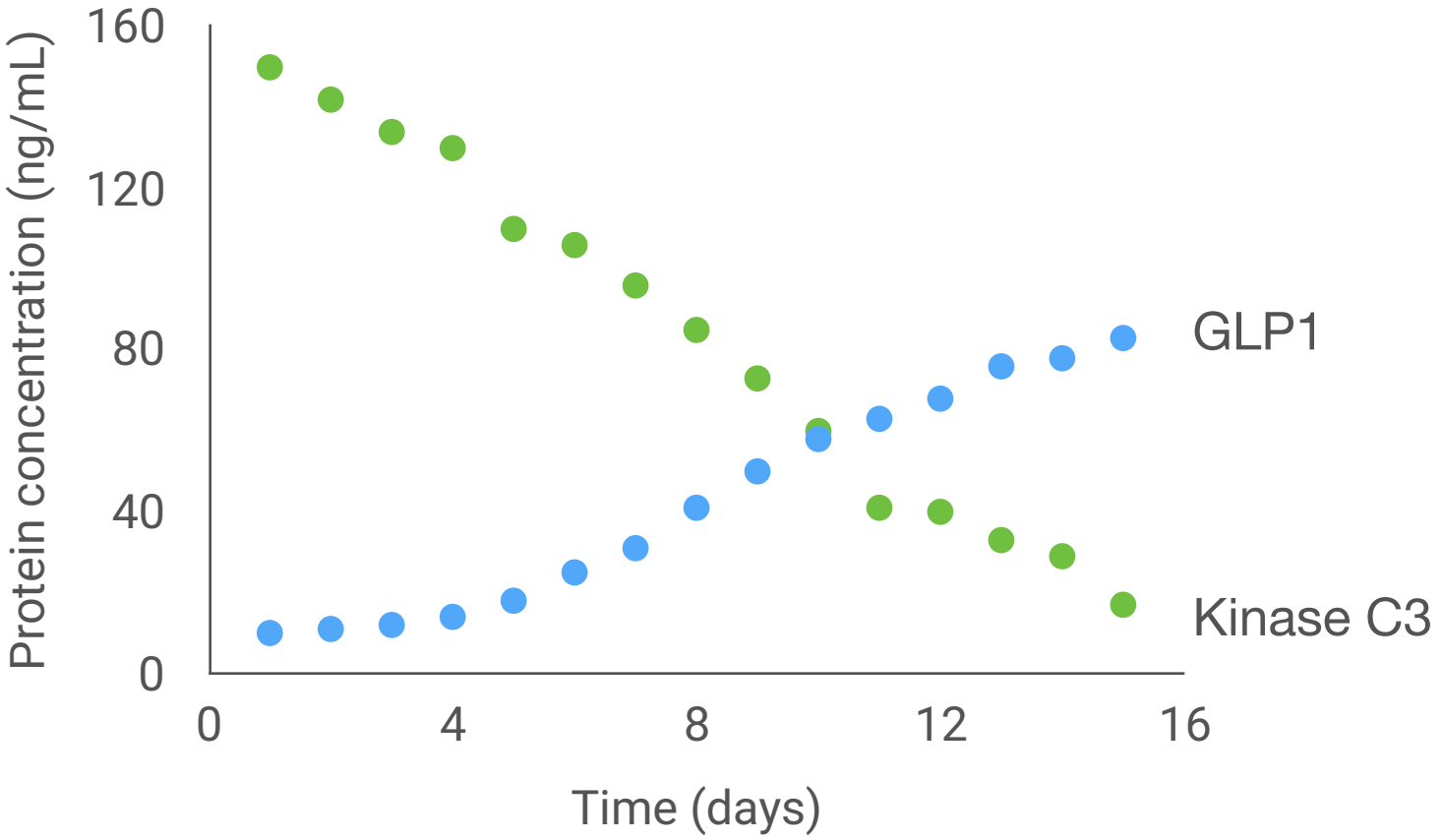

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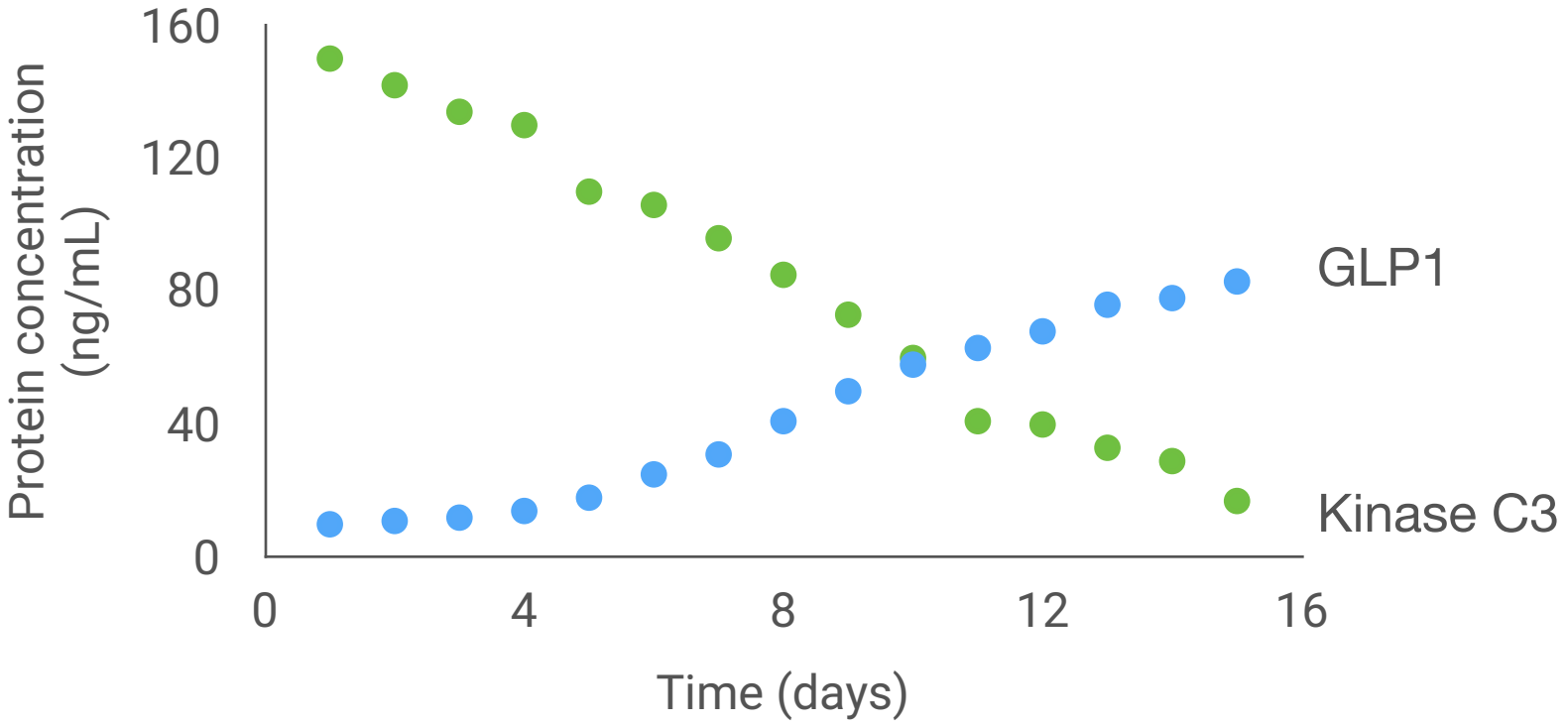

8. Add context

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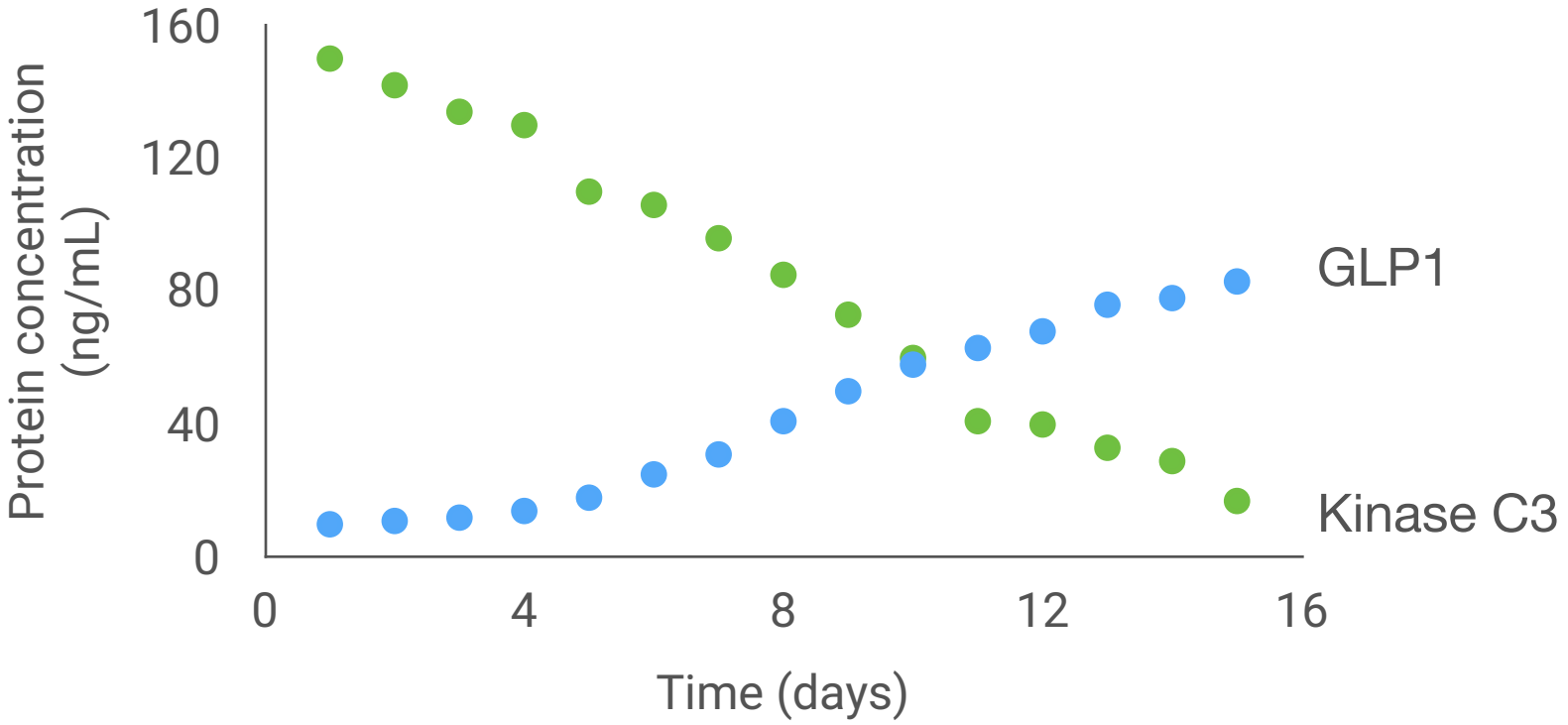
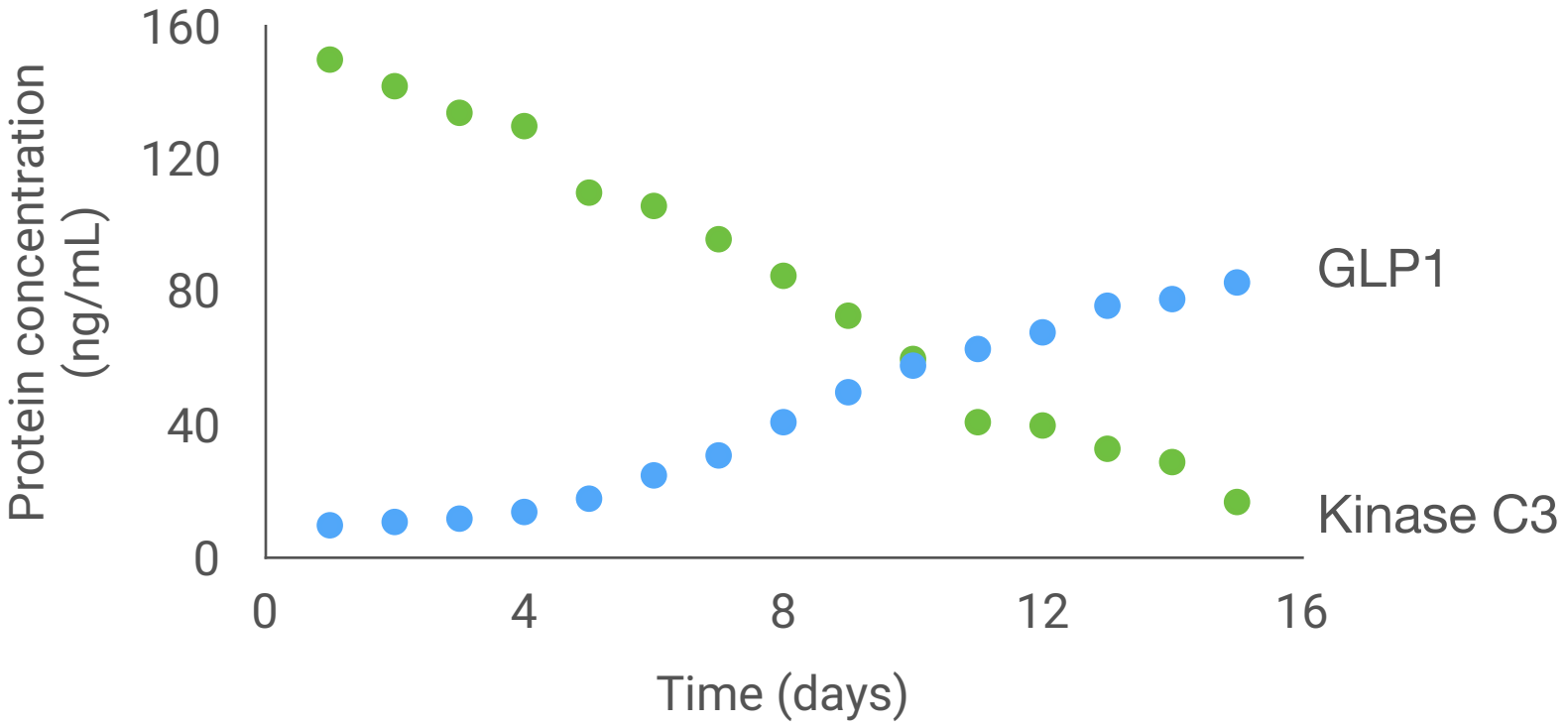


Figure 1: Kivera decreases kinase C3 and increases GLP1 in osteosarcoma cells



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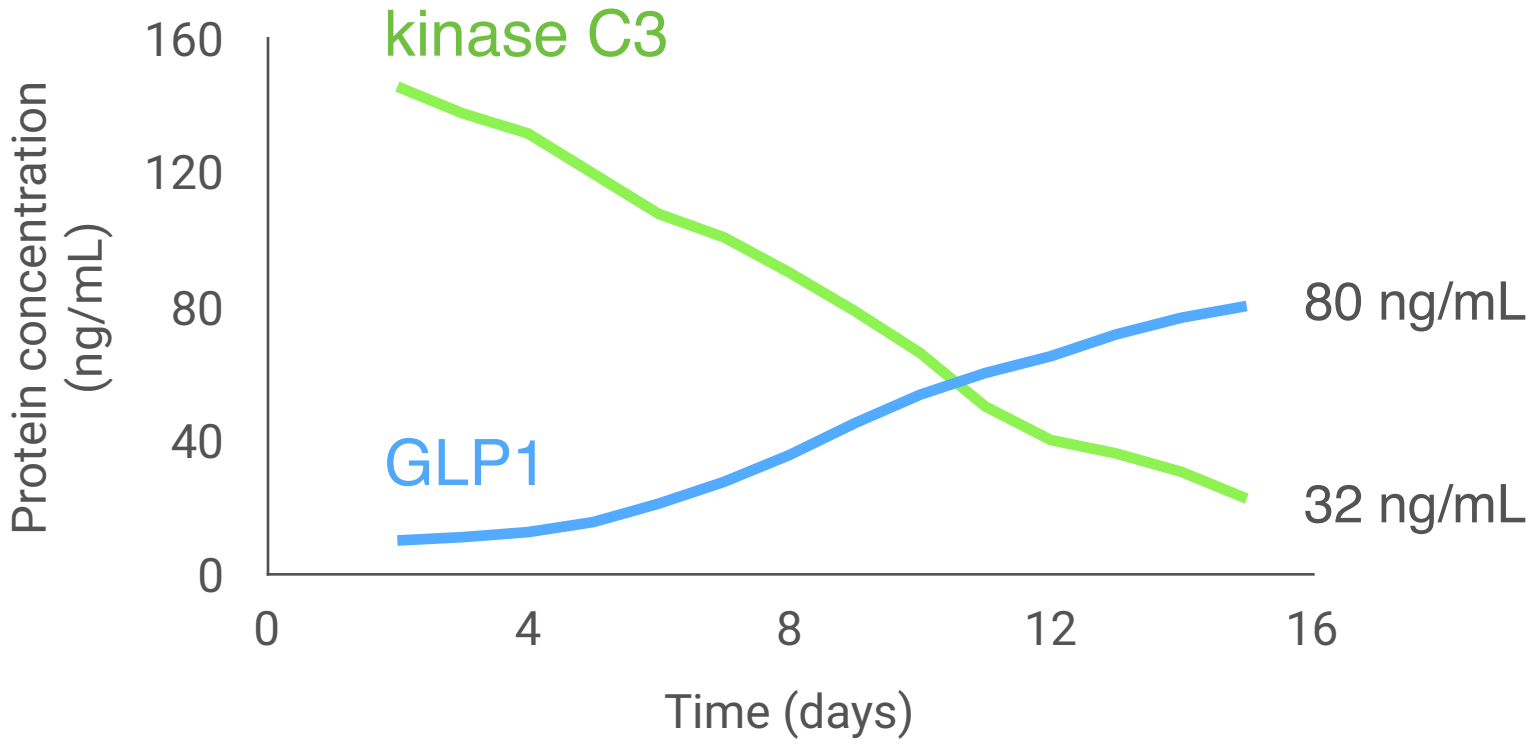
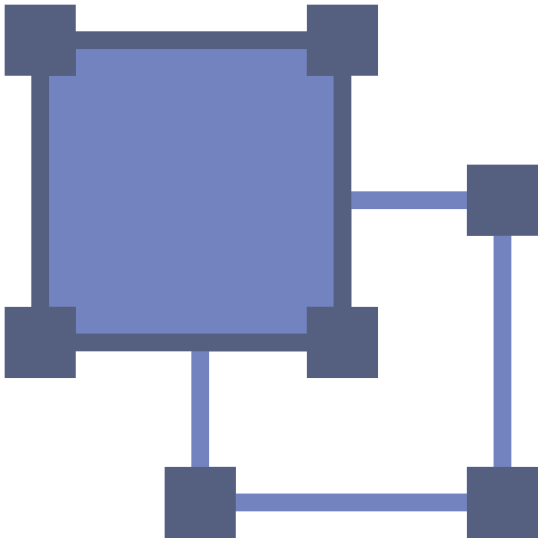


Planning & design



Workshop