Heron

The map of science

Team

CEO

CSO

Tech lead

Mihaly Kollo

Neuroscientist
Machine learning

Romeo Racz

Chemical engineer
Neuroscientist

Joost de Folter

Physicist
Data scientist

Contradicting studies are part of the life-cycle of scientific knowledge

"Children should avoid peanuts…"

Ewan, 1996

"Consumption of allergenics helps tolerance…"

Du Toit, 2008

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Identifying differences in study design

High dose dialysis
is better

Kt/V = 0.6- 1.6

Lowrie, 1998

High dose dialysis
is NOT better

Kt/V = 1.2- 1.5

Eknoyan, 2002

Day-to-day task for:

Academic
researchers
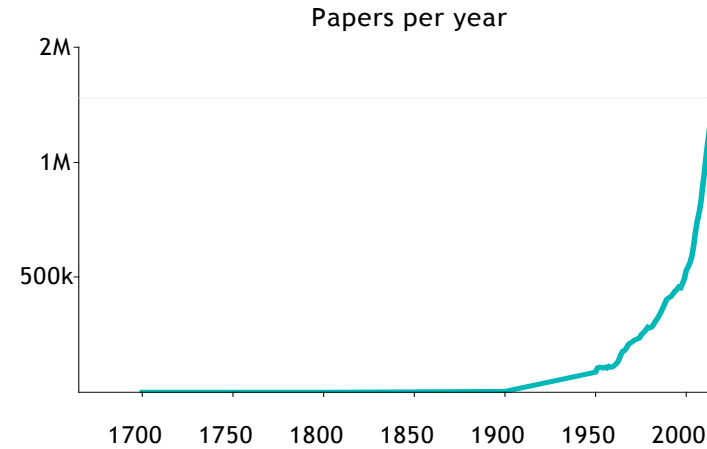
Industrial
researchers

Reviewers

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Problem

Papers per year
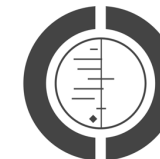
≈**500 M** pages
of unstructured text

- researchers only read 0.2% of new daily publications
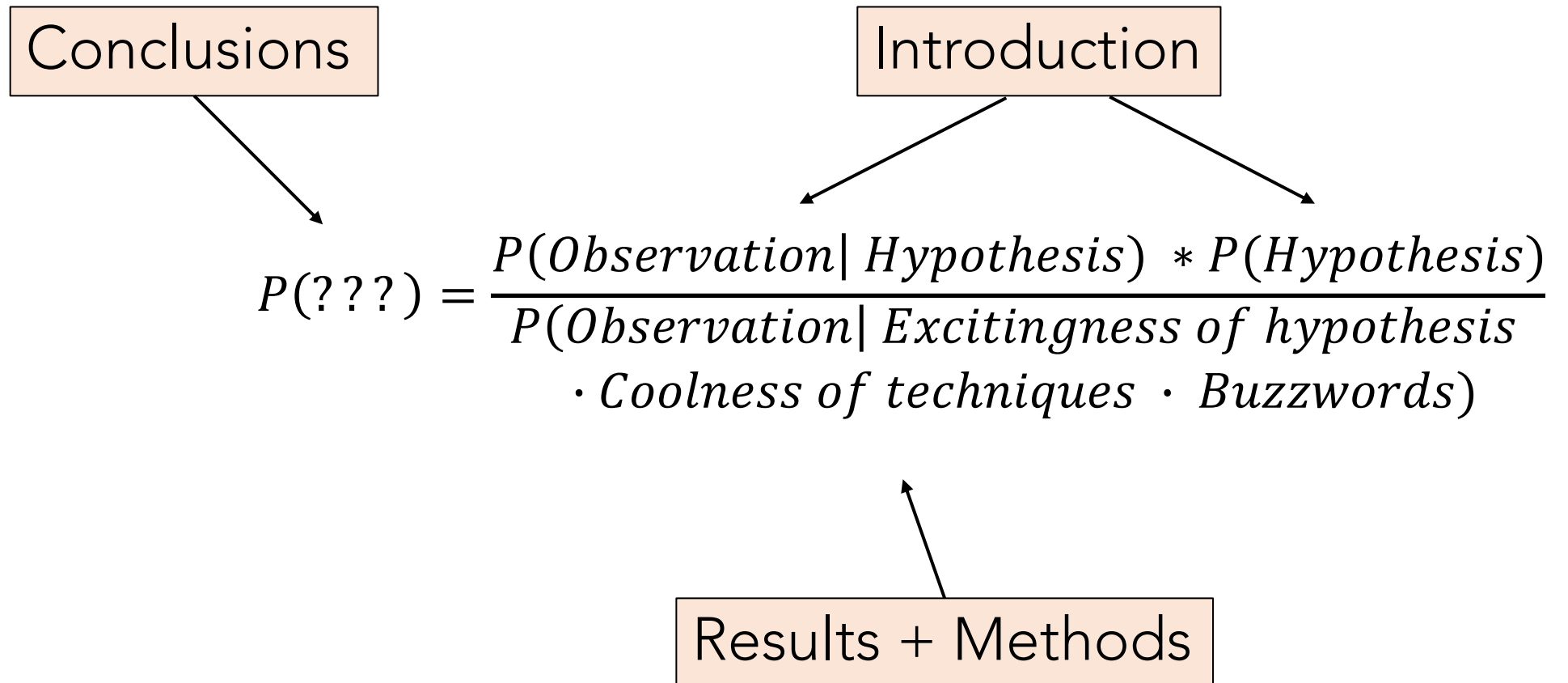
- no easy way to read into other disciplines

- no easy way to share and collaborate

- huge opportunity cost

  (700M $/year on peer review only)

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What is wrong with science?

The paper as Bayesian inference

Conclusions

Introduction

Results + Methods

$$P(Hypothesis \,|\, Observation) = \frac{P(Observation|\,Hypothesis)\,*P(Hypothesis)}{P(Observation)}$$

What is wrong with science?

Conclusions

Introduction

Results + Methods

$$P(???) = \frac{P(Observation|\ Hypothesis)\ * P(Hypothesis)}{P(Observation|\ Excitingness\ of\ hypothesis \cdot Coolness\ of\ techniques\ \cdot\ Buzzwords)}$$
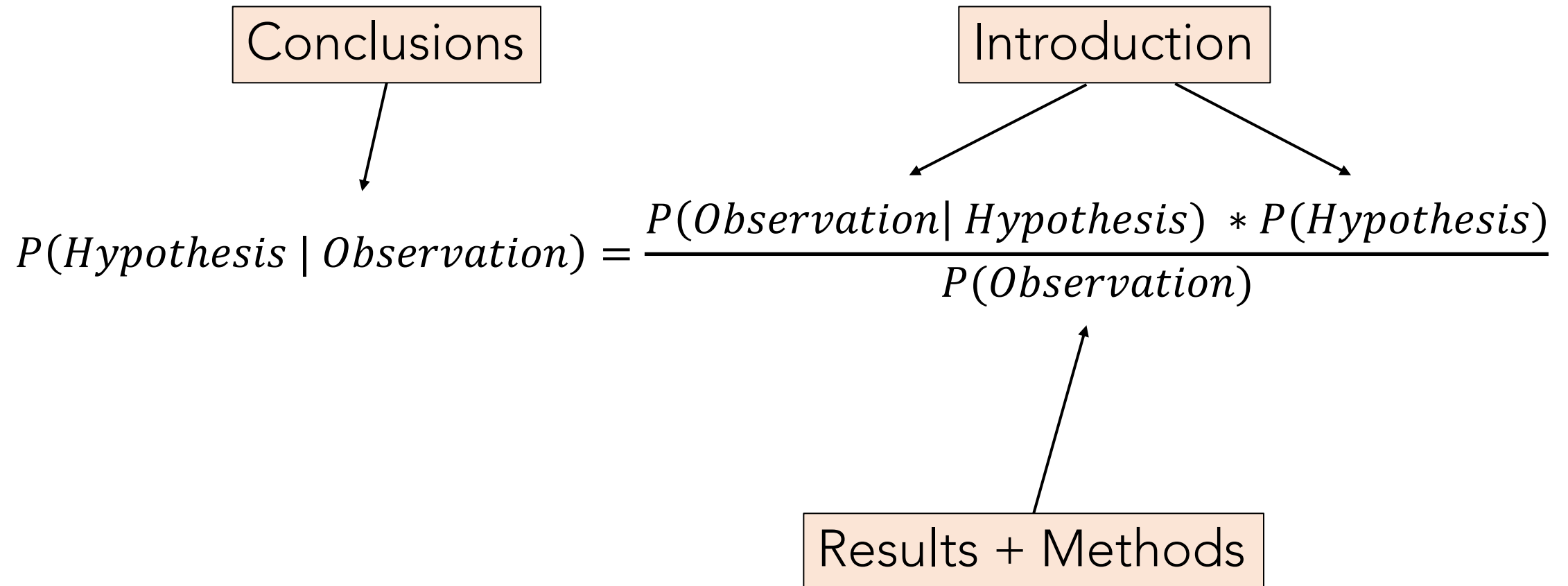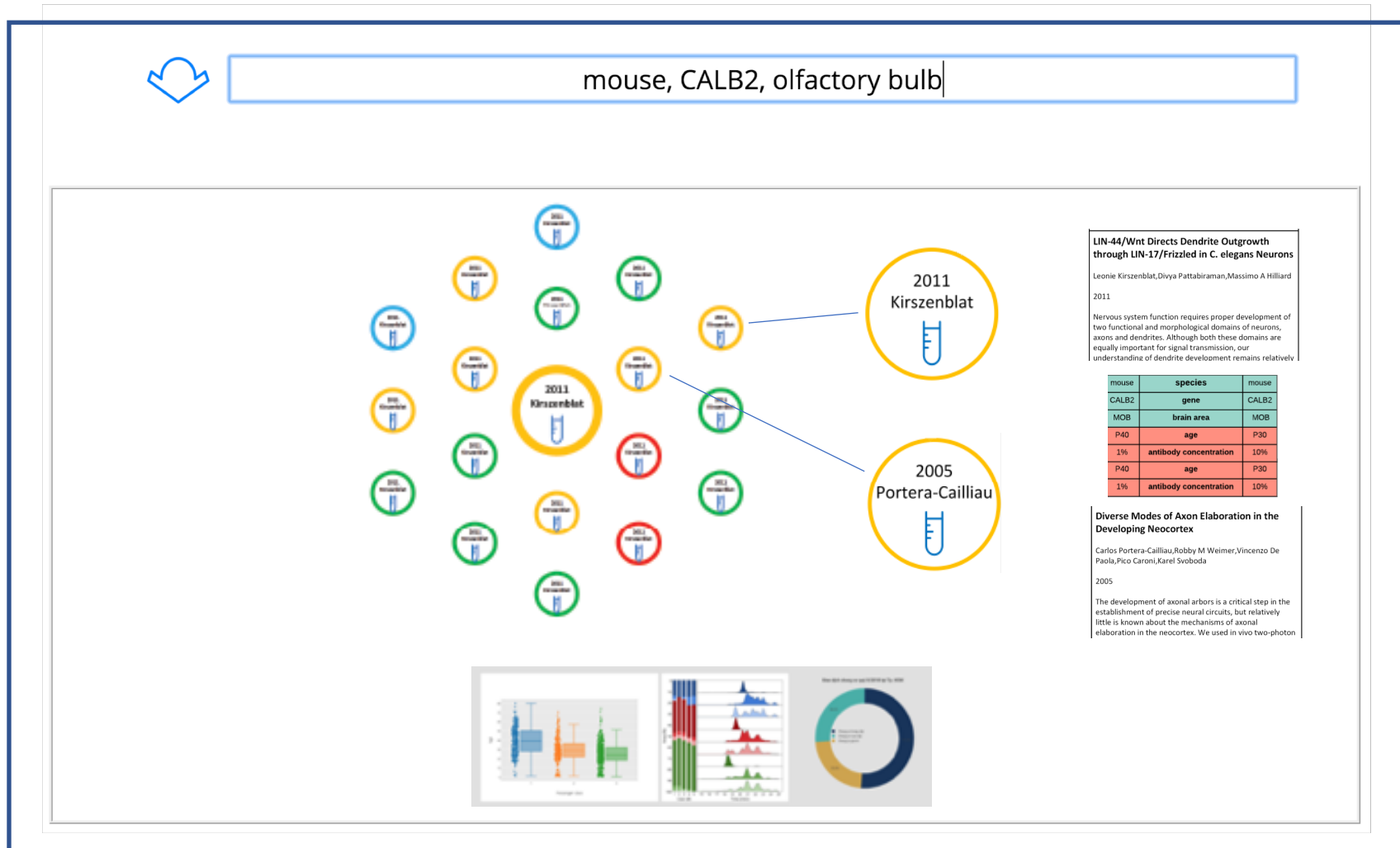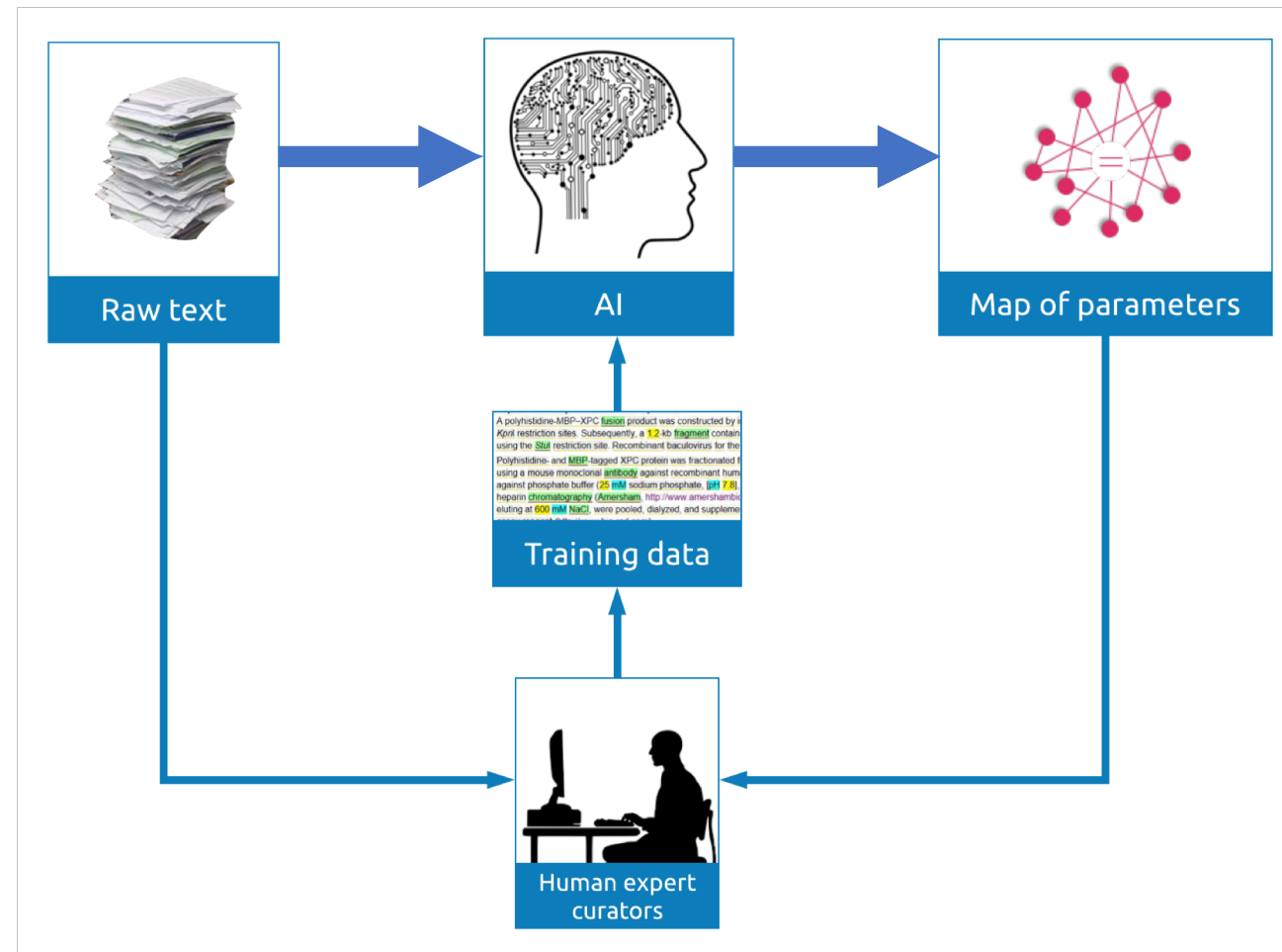
Our solution

An online, graphical map of science (papers, studies, patents)

Technology
Accelerated pipeline for automated text processing

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The map of science

Discover relevant experiments
Find the most relevant studies to your field without reading text

Compare studies
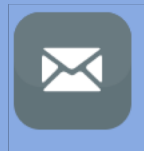Find the most relevant differences in an instant

Boost your scientific output
Read what is useful to you and find the information you really need

Coming soon @ heron.science

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