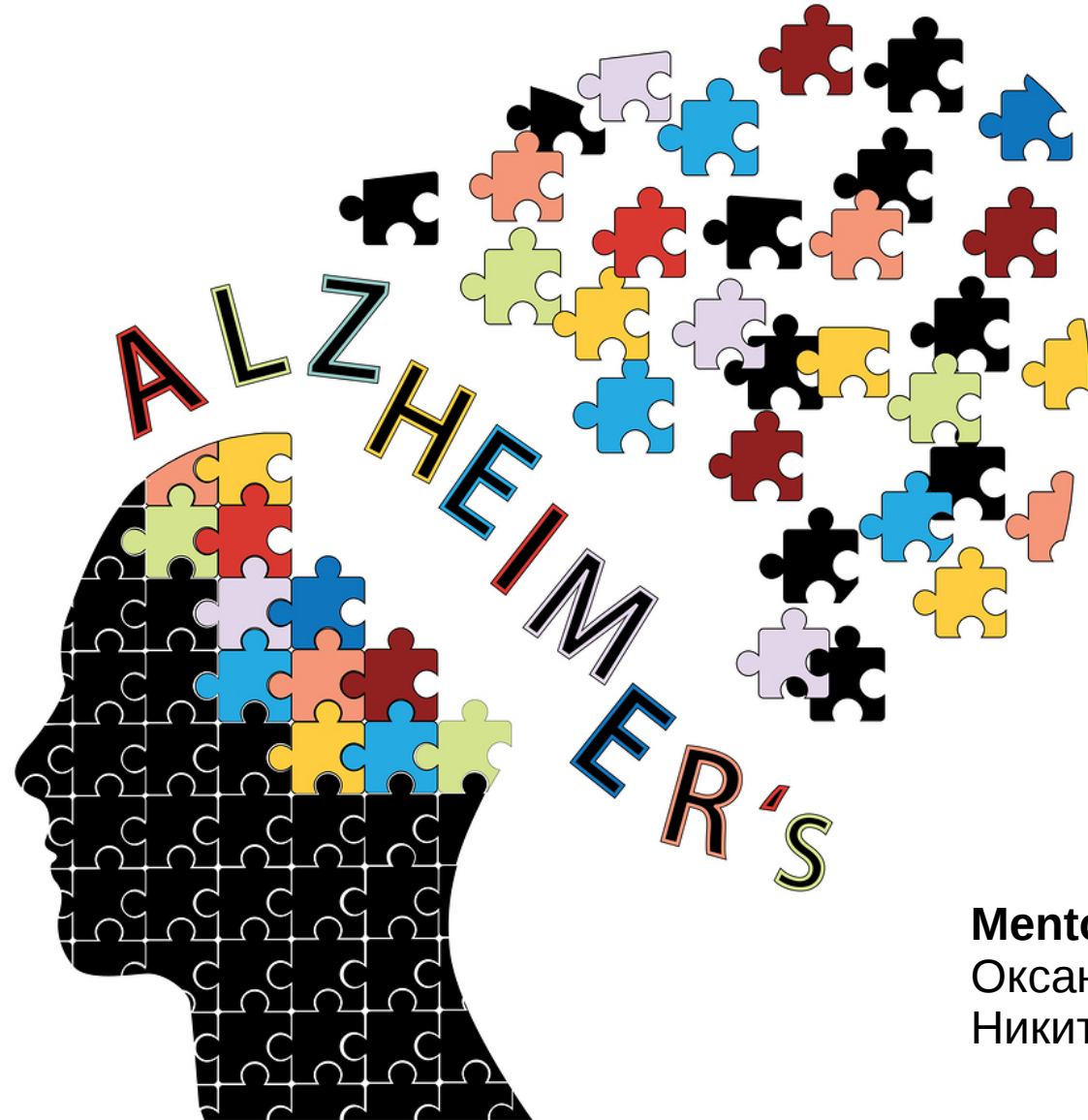


# What's the buzz about...



## Contributors:

Максим Аверин  
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Елизавета Шевцова

## Mentors:

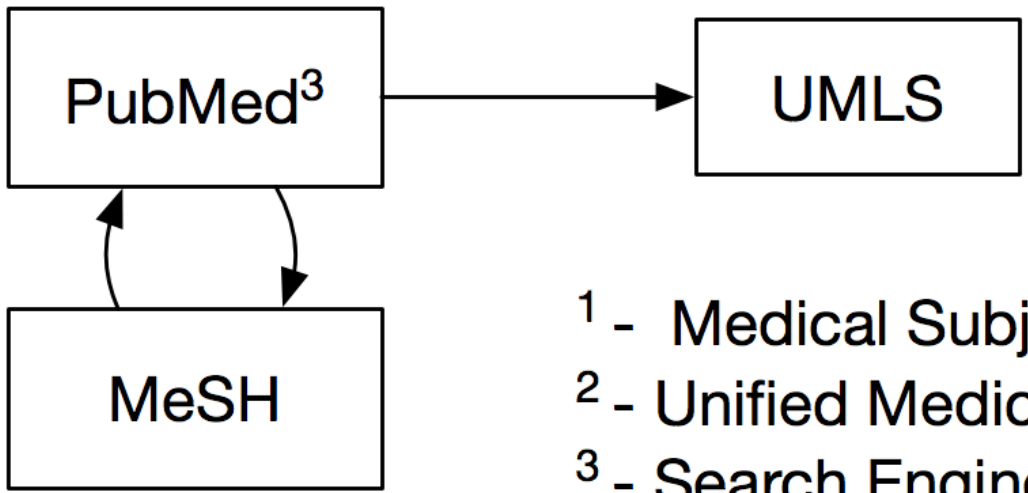
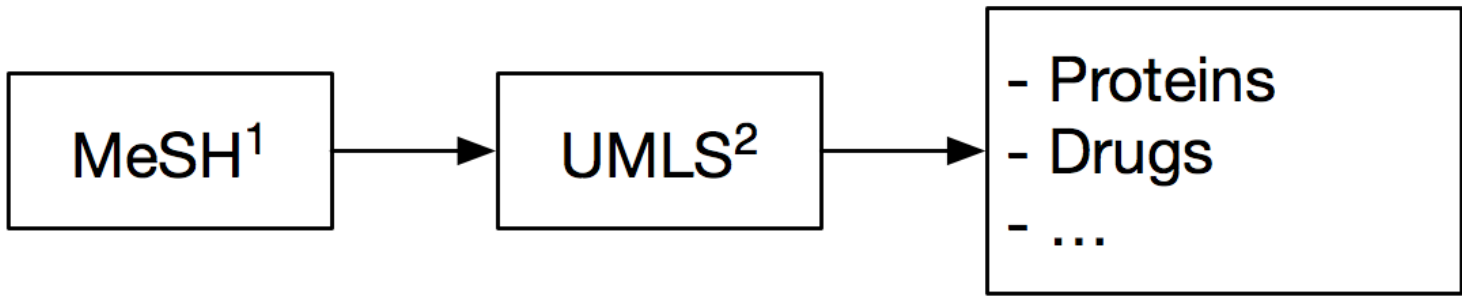
Оксана Галзитская  
Никита Довидченко

# ToDos

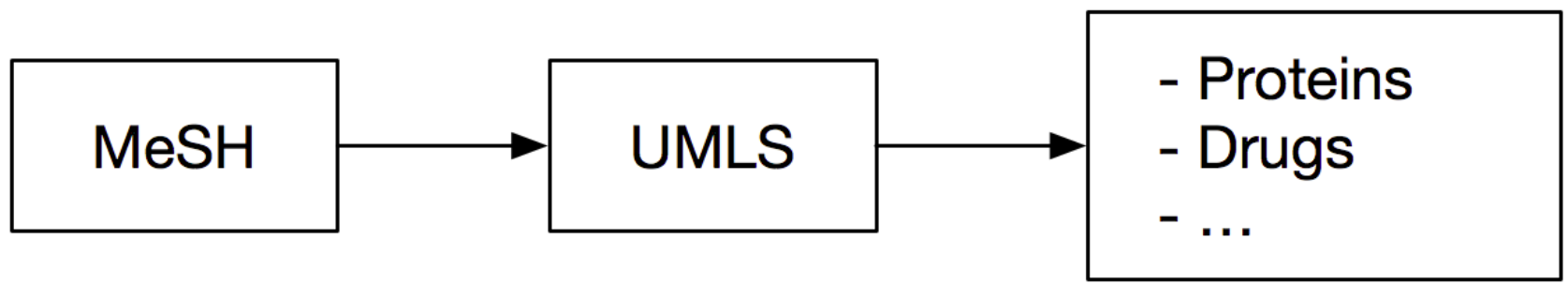
1. What were the research trends in past years and how did they change?
2. Which substances were in main focus? What is happening now?

# Tools

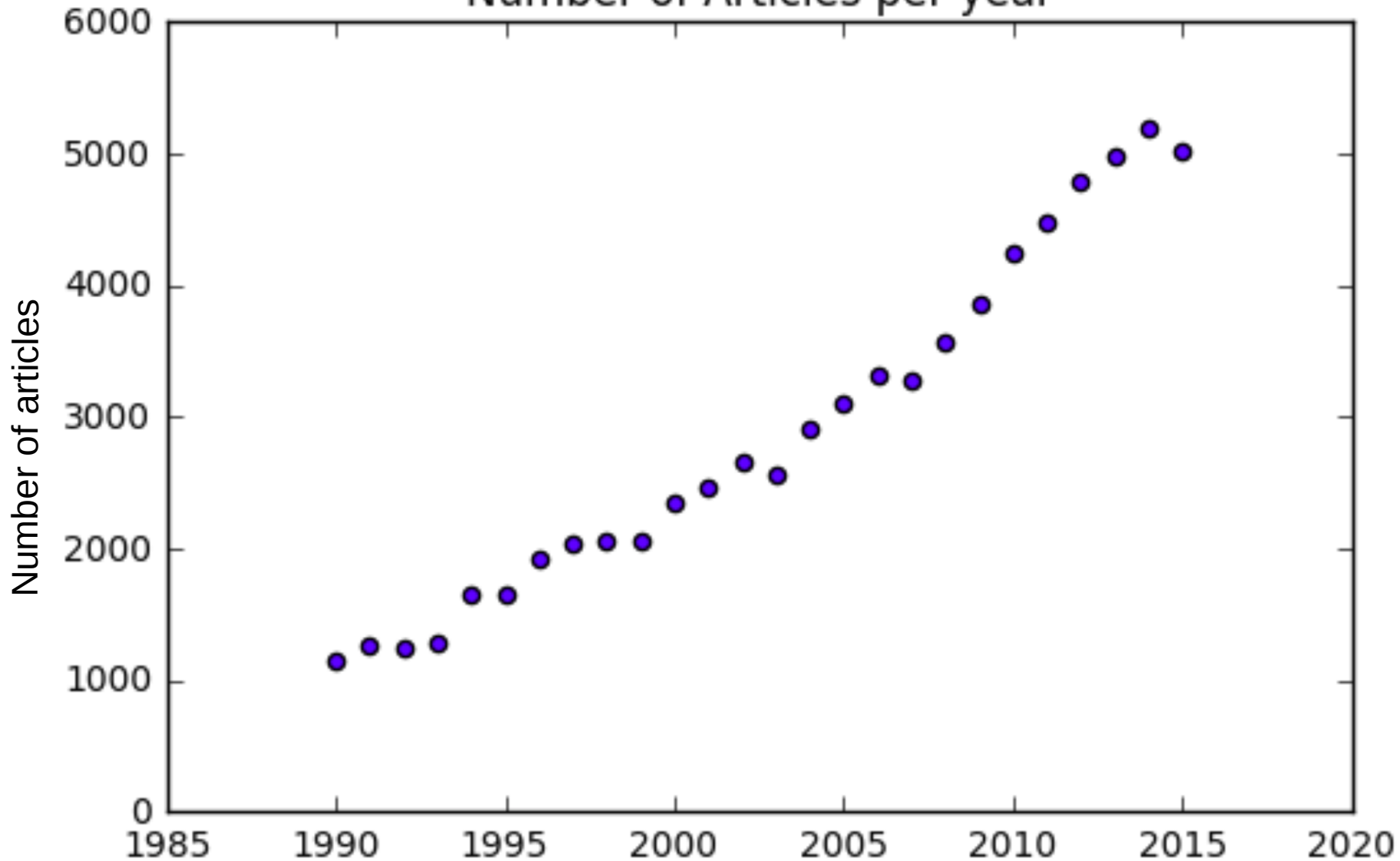




- 1 - Medical Subject Headings
- 2 - Unified Medical System
- 3 - Search Engine

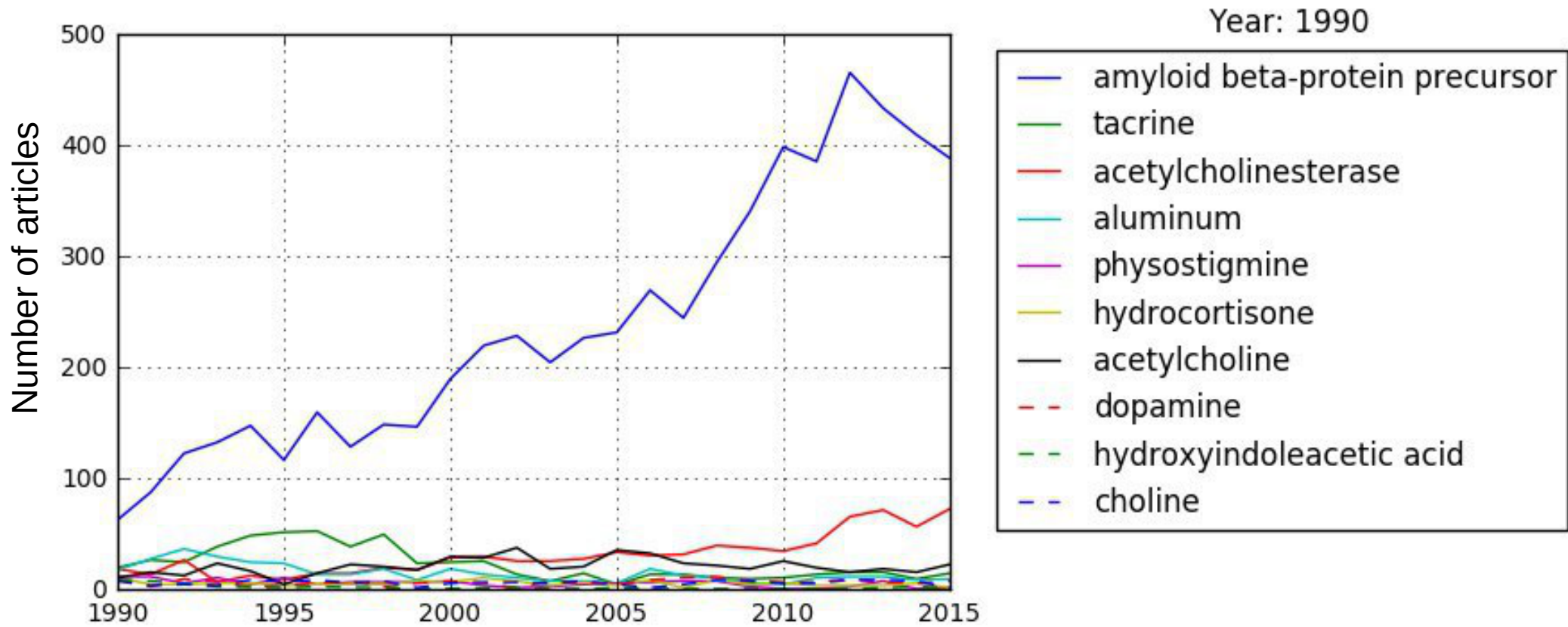


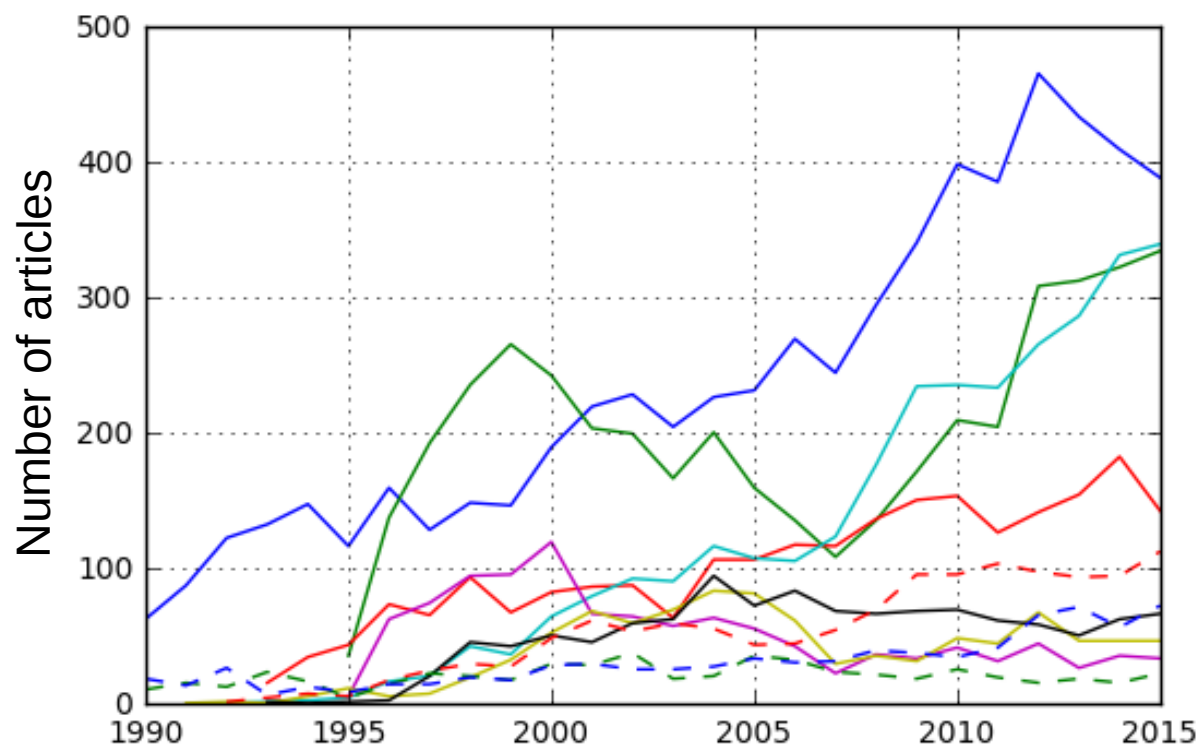
Number of Articles per year



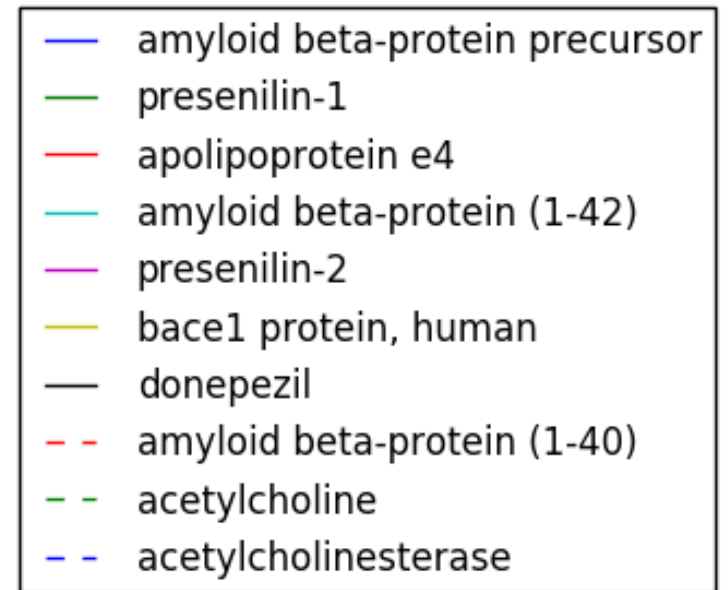
27 years of research & 70000 articles analyzed

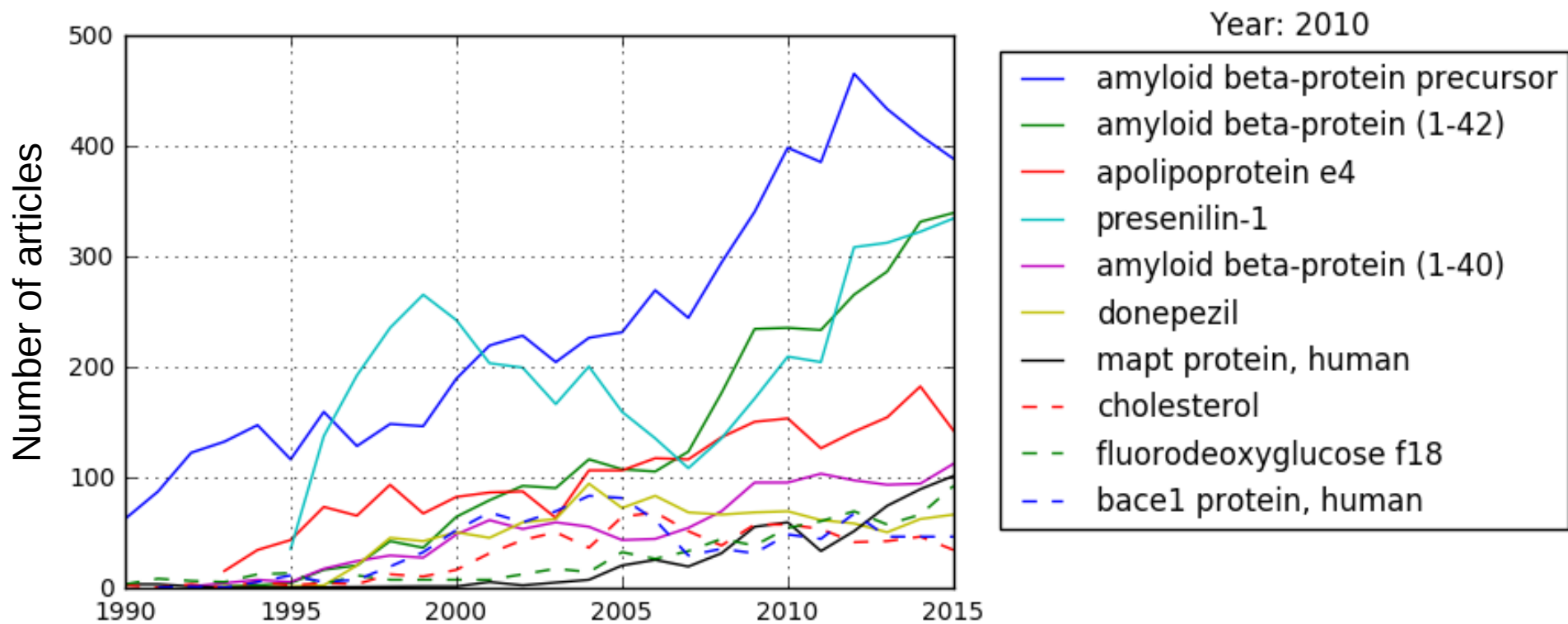
# Results



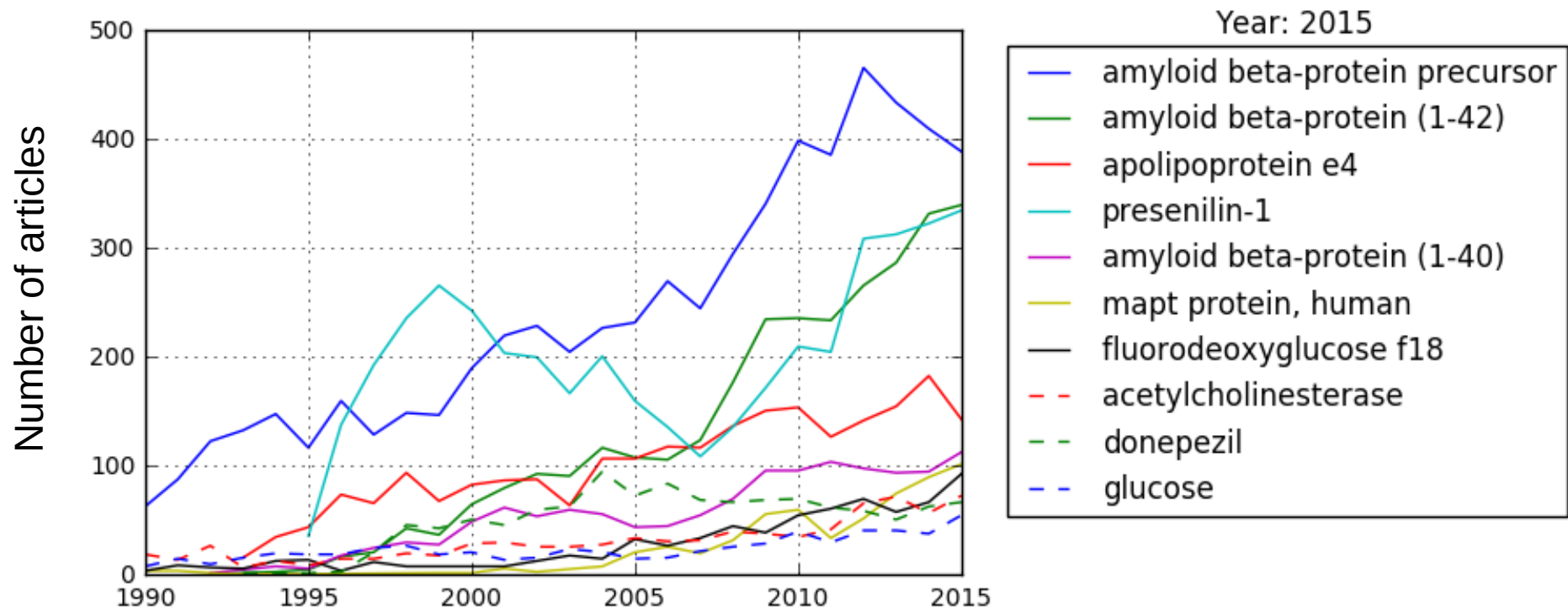


Year: 2000

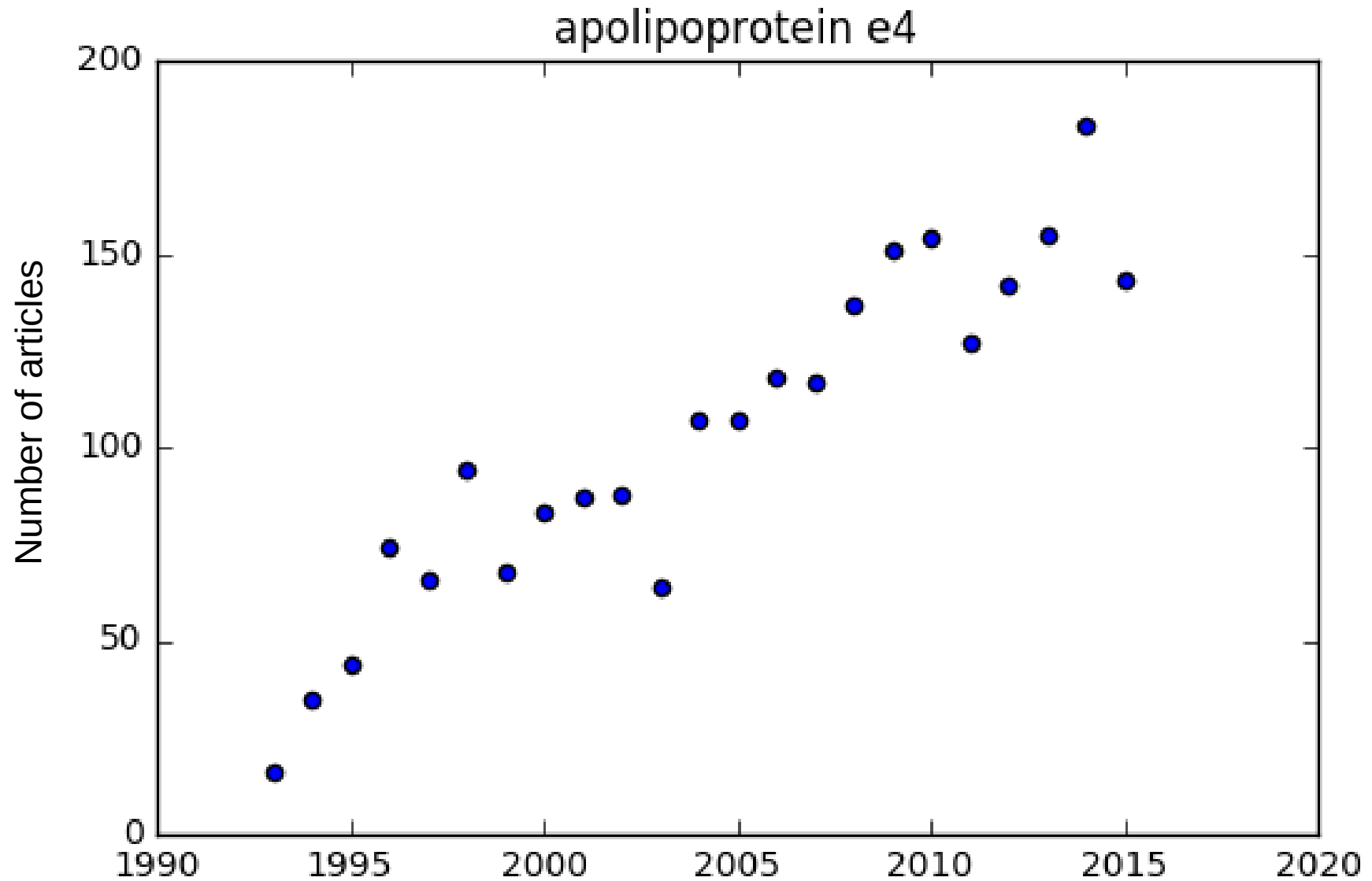


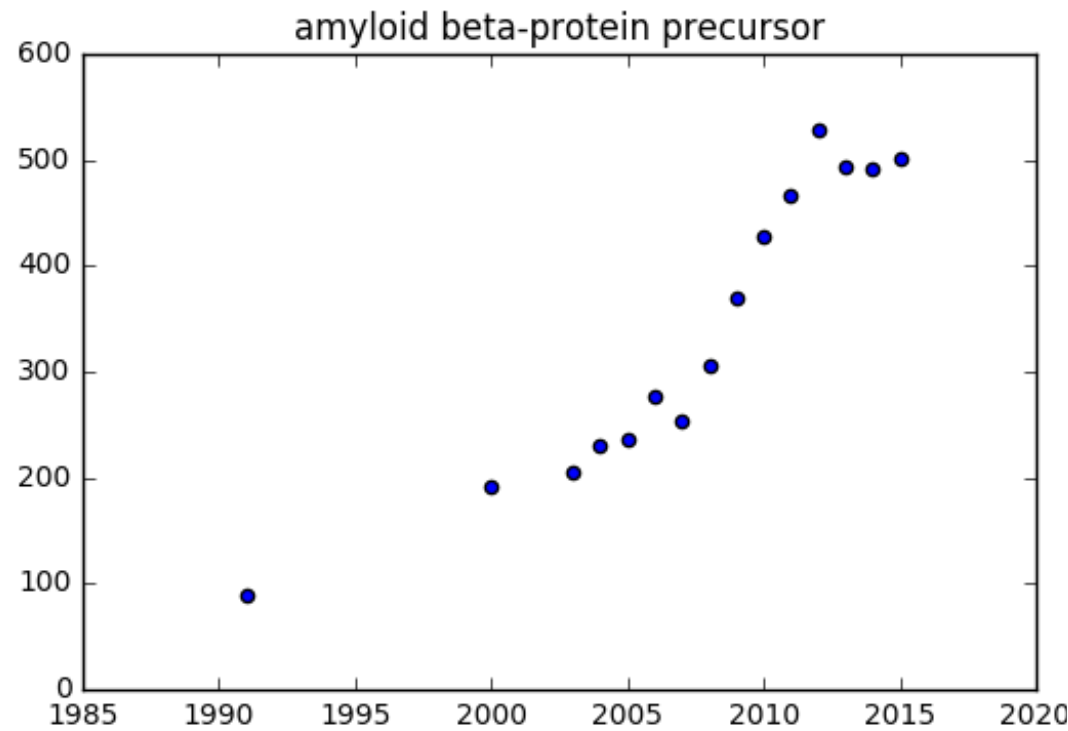
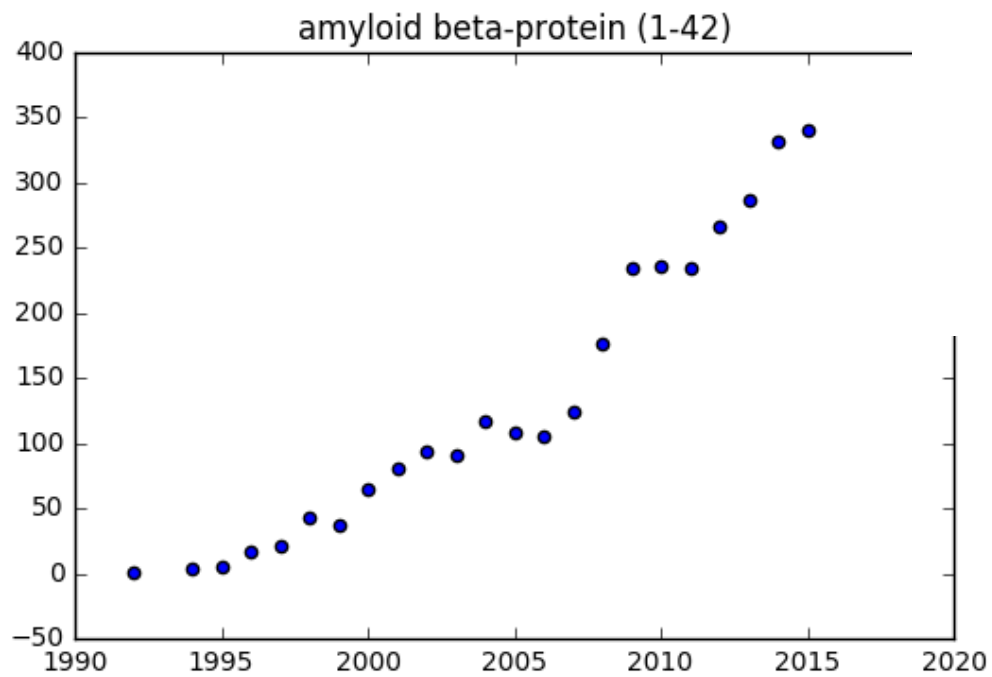
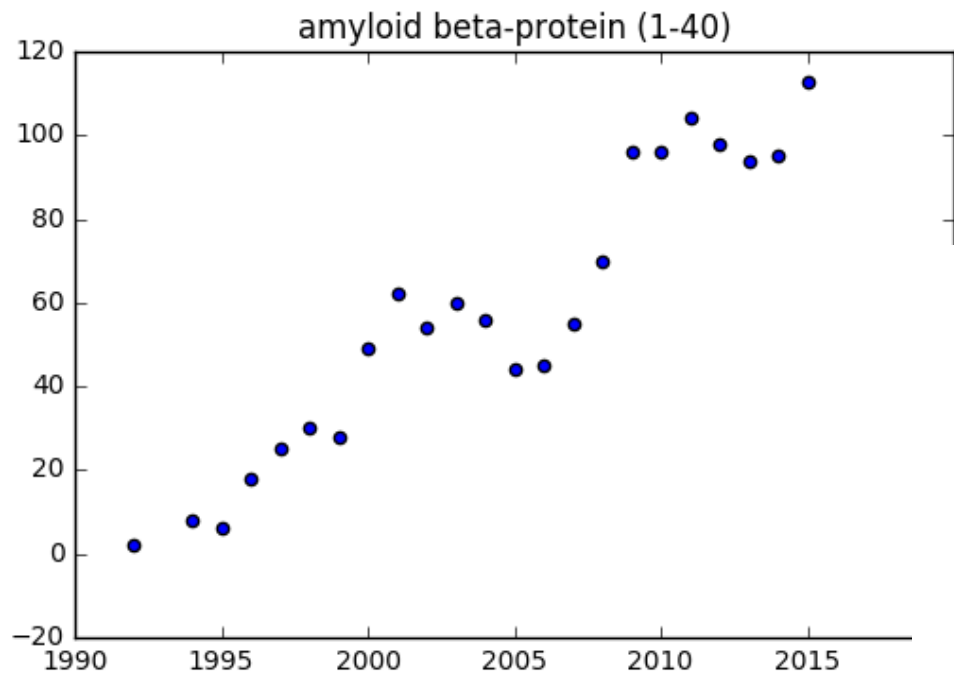




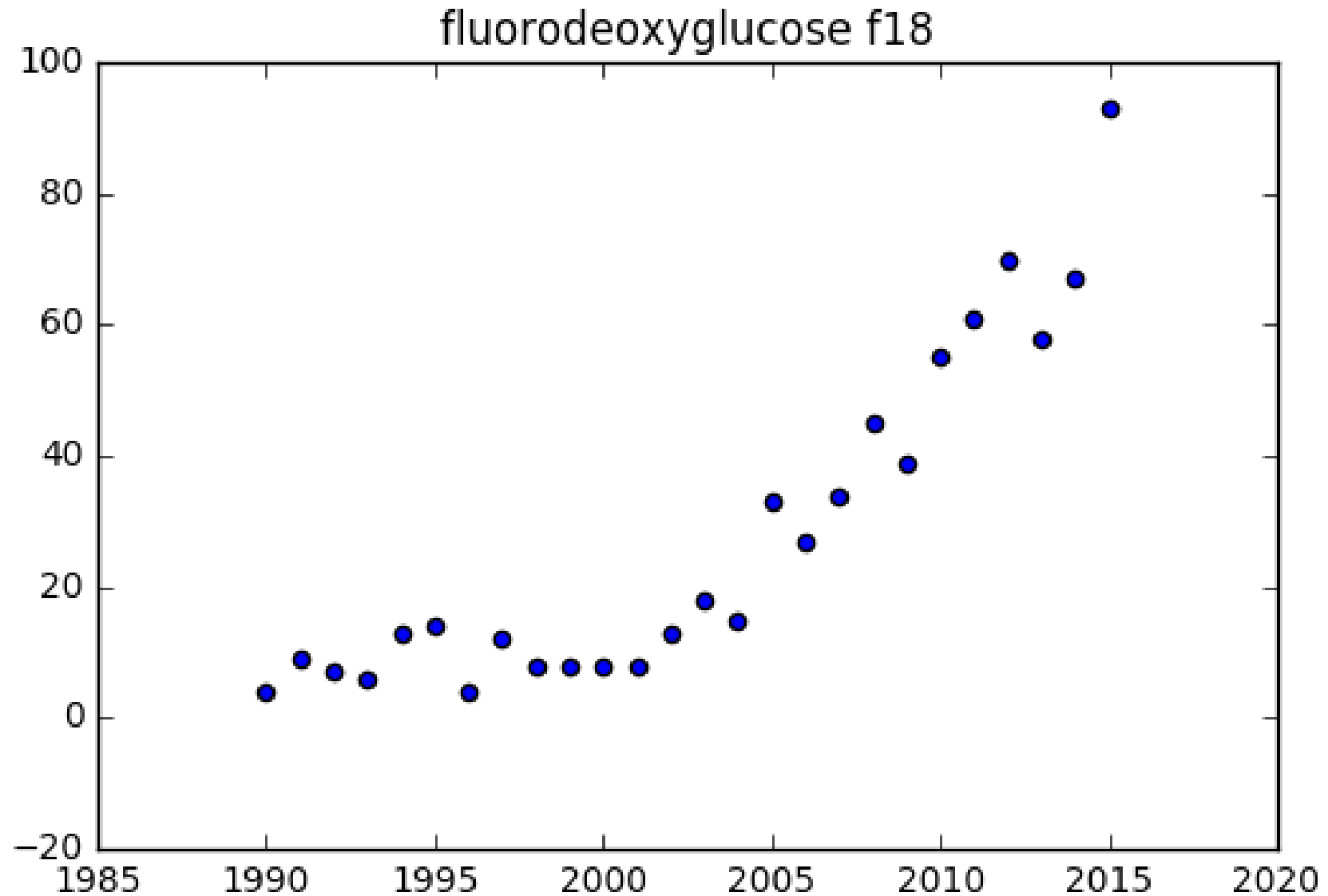


# Stable rise: disease biomarkers

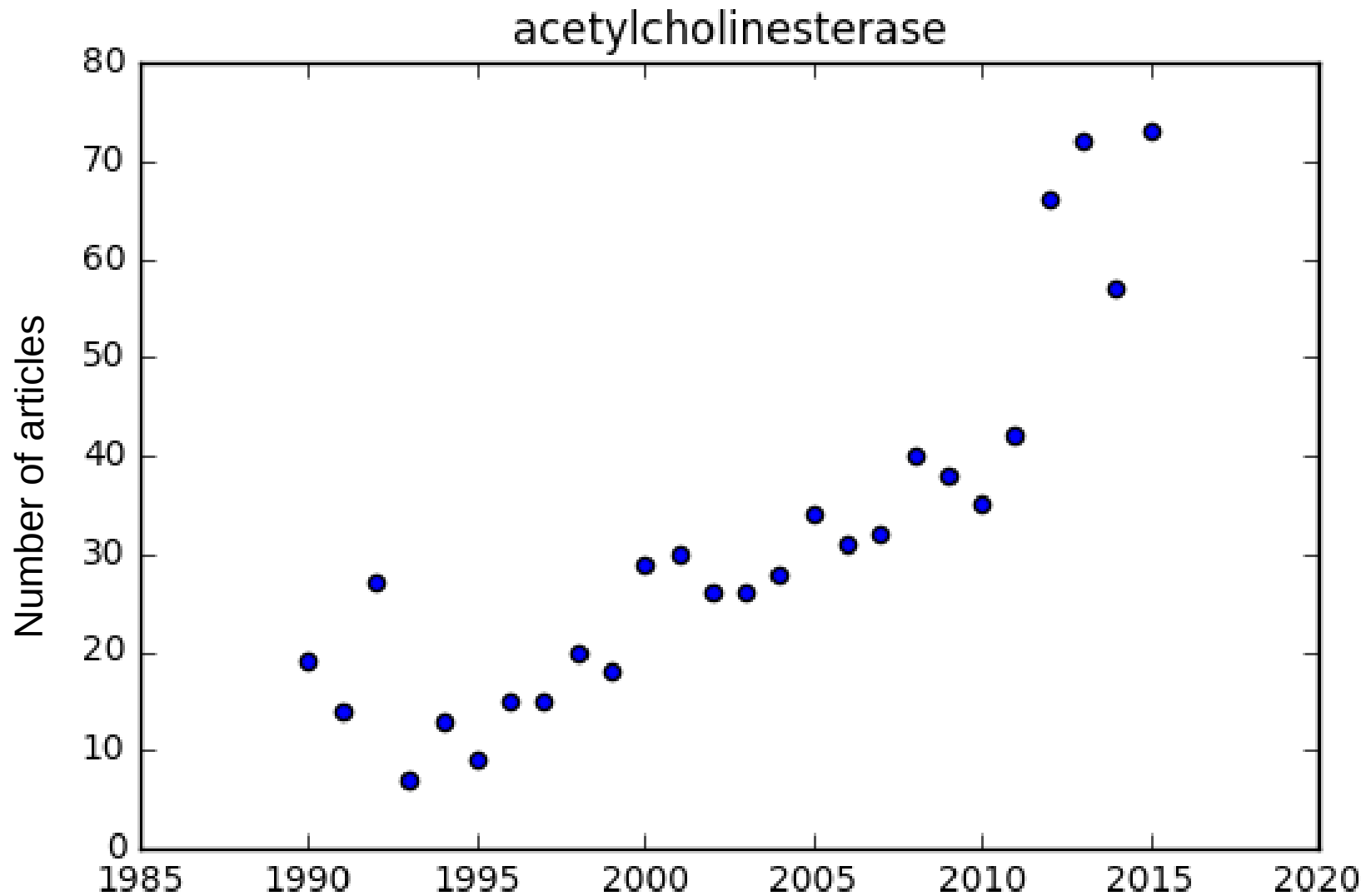




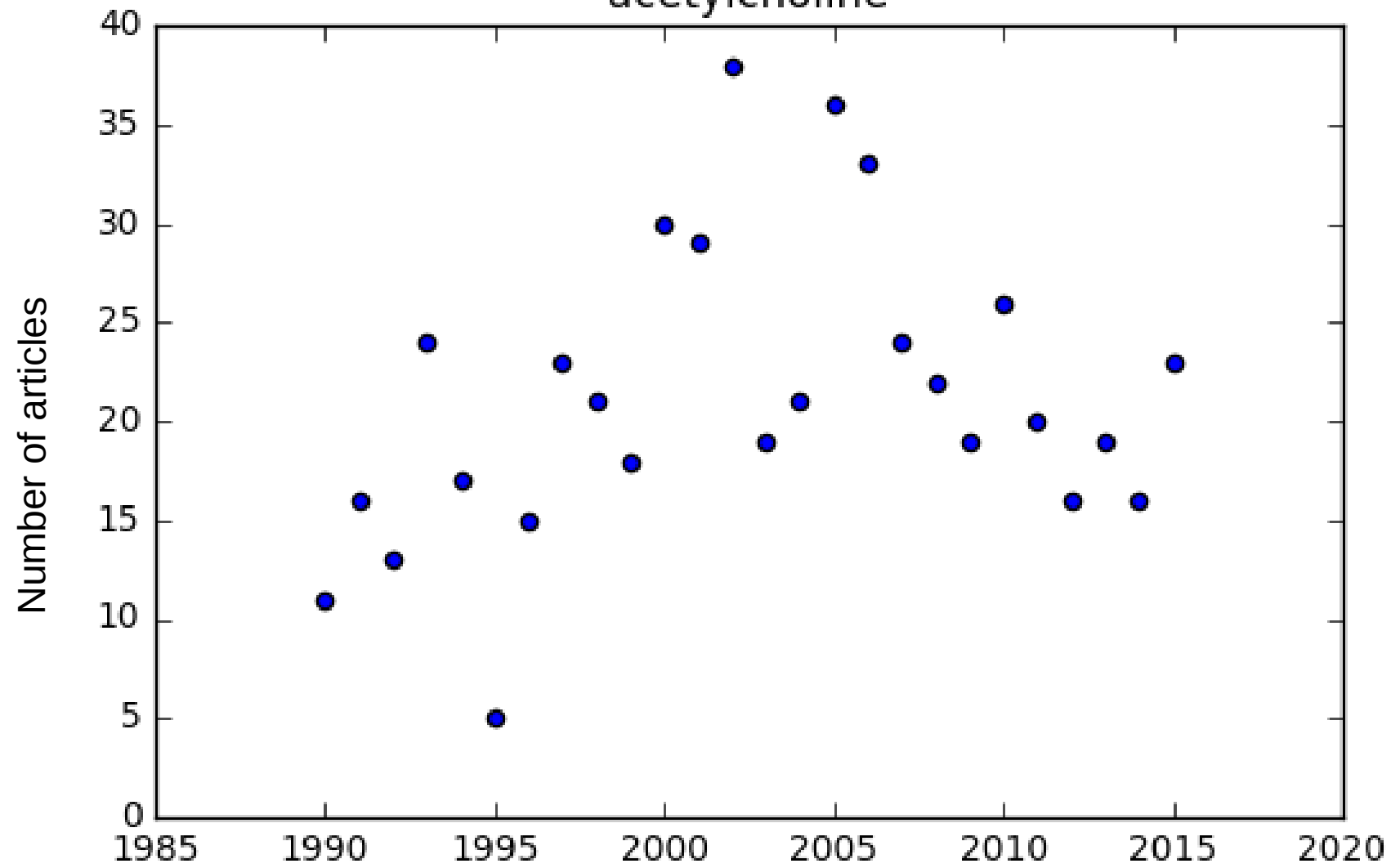
# New research tool for tomography



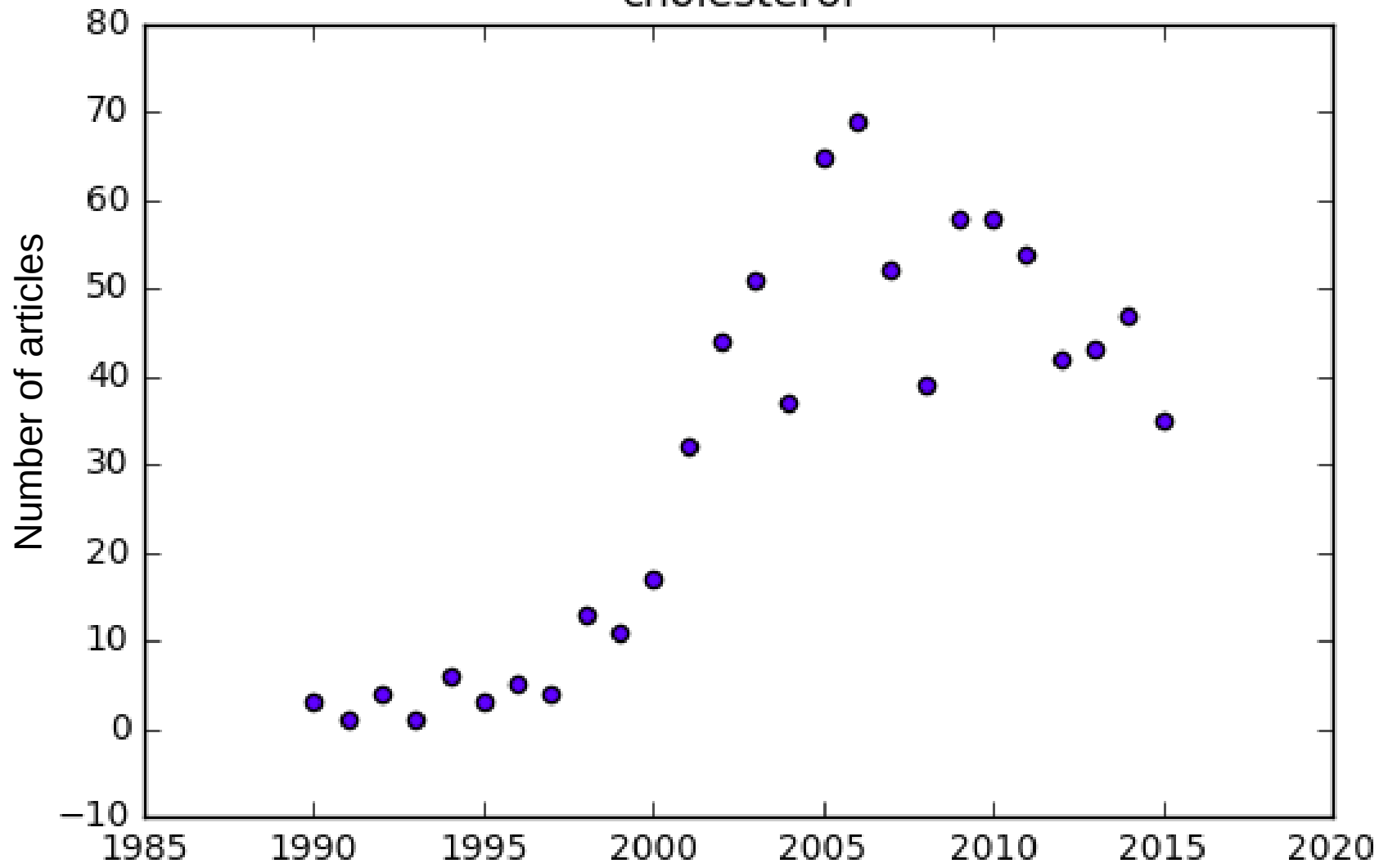
# 2000's hypothesis



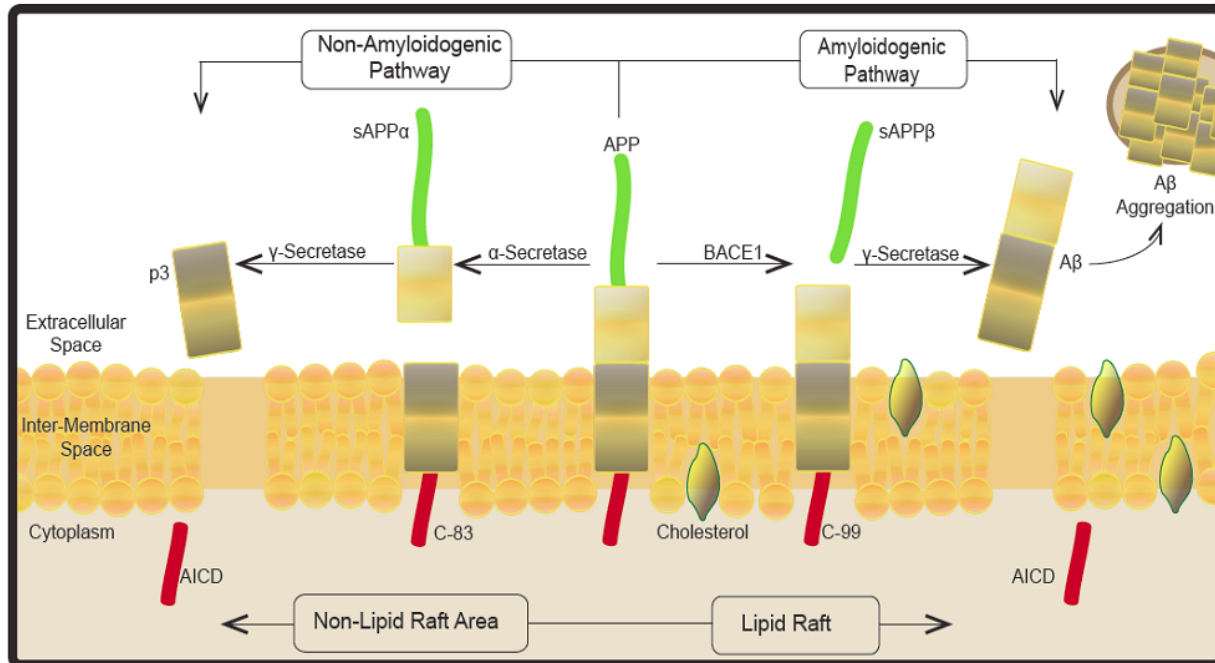
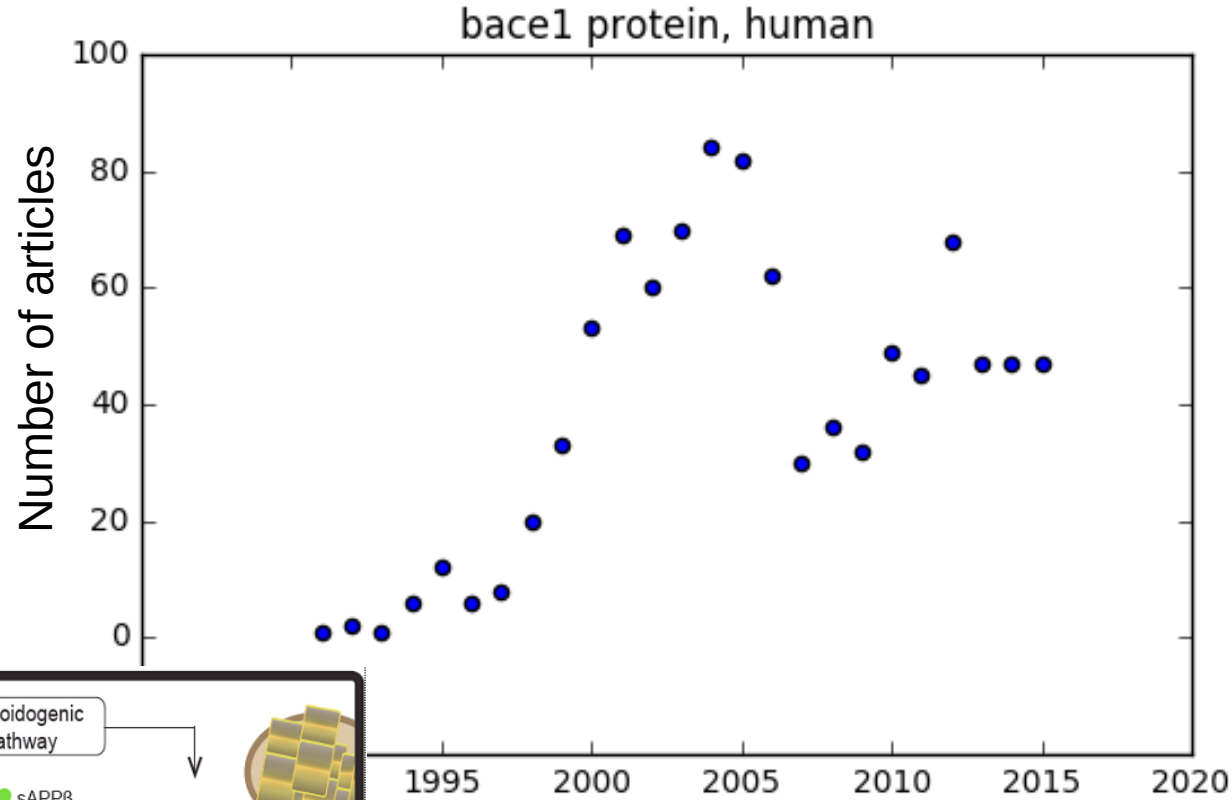
# acetylcholine



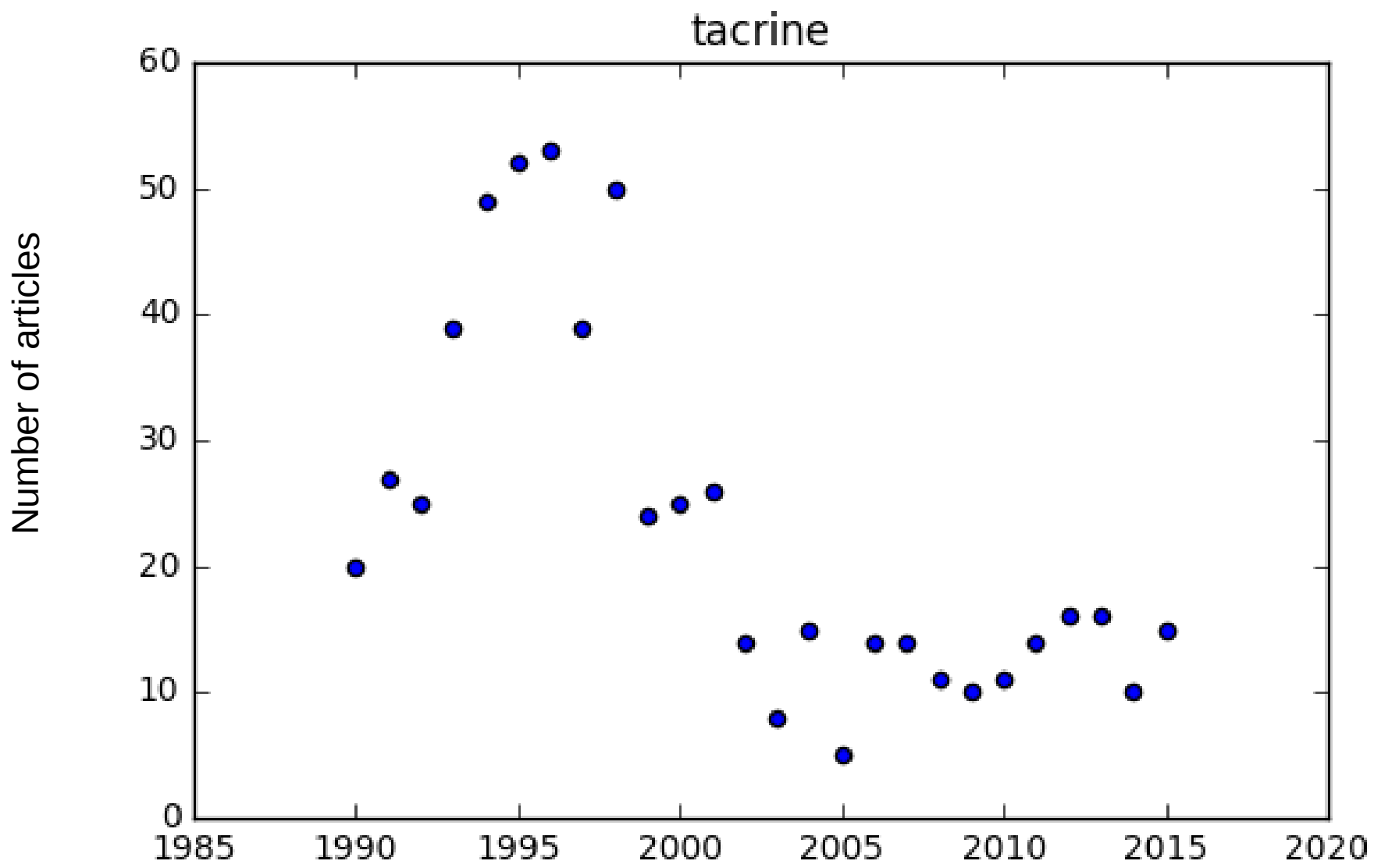
# cholesterol



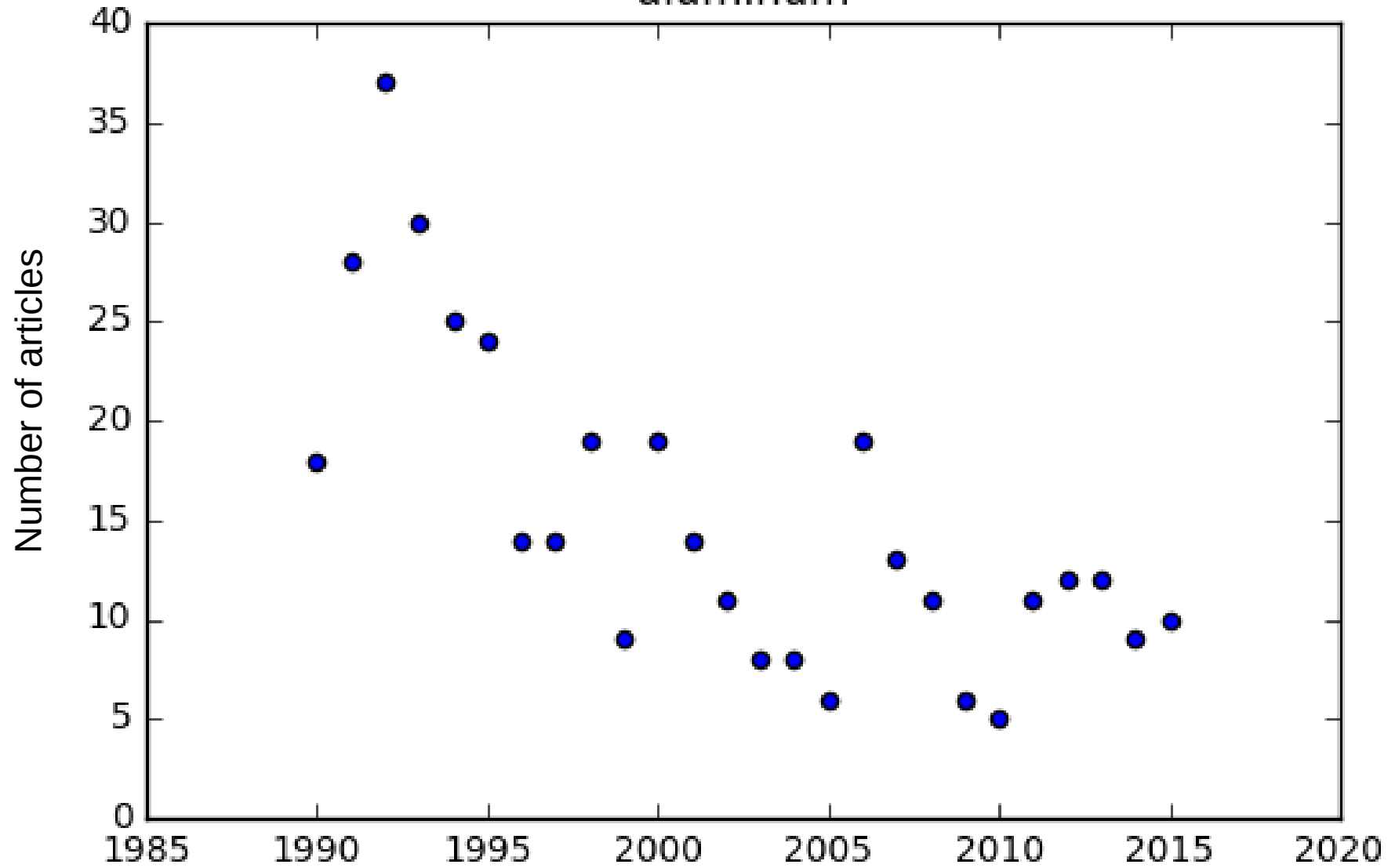
# Becoming unpopular





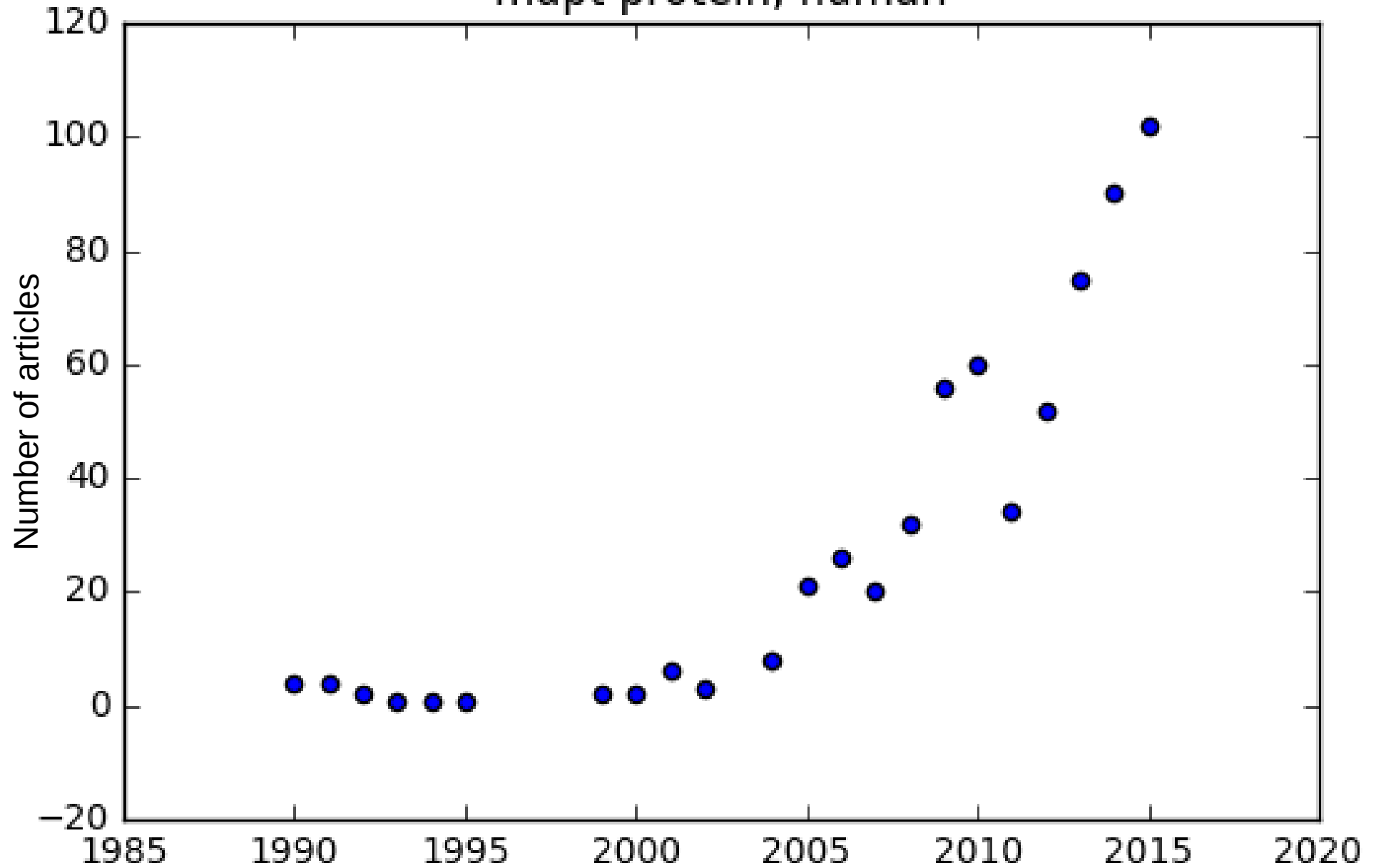


# aluminum

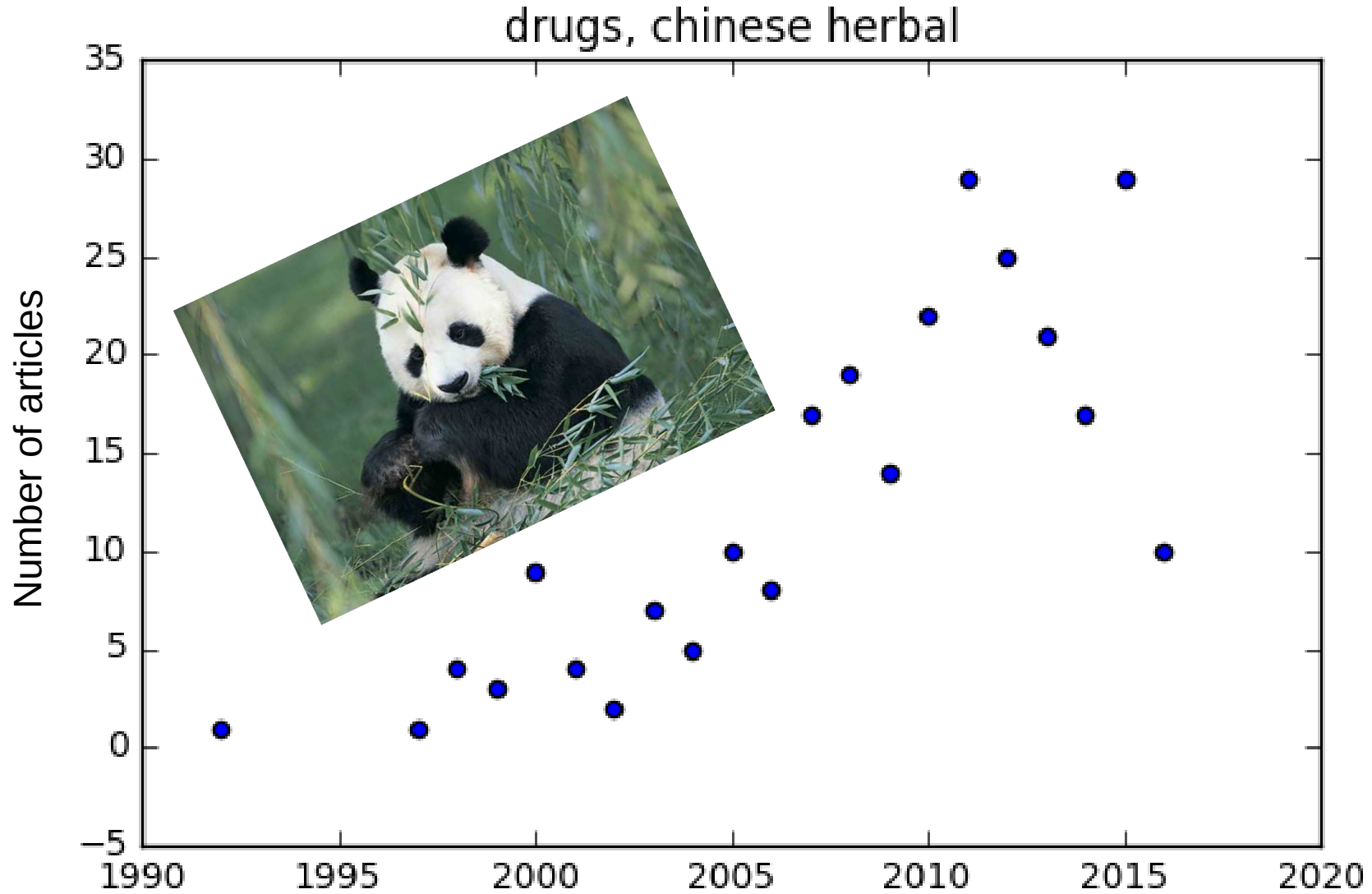


# New findings

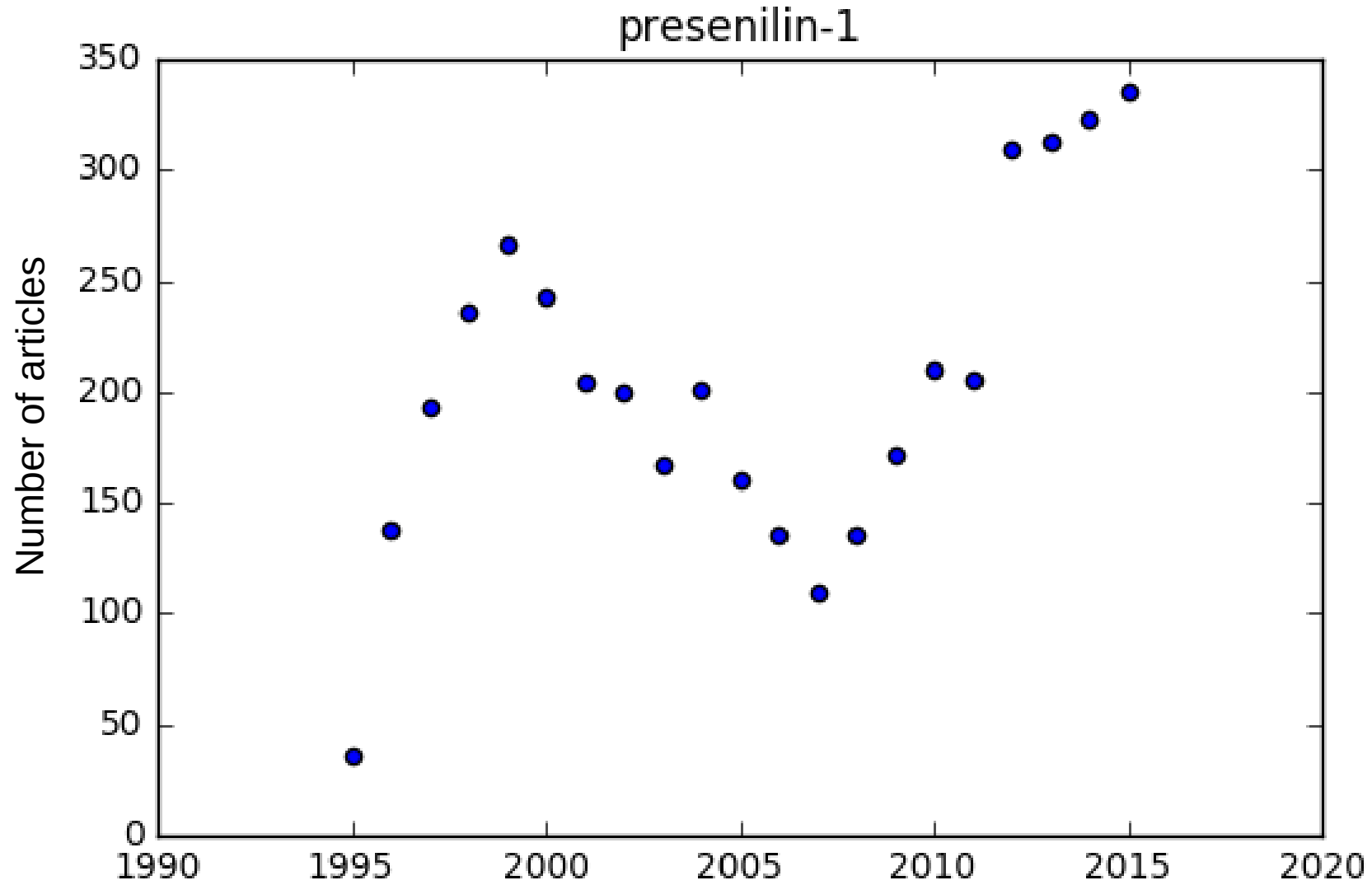
mapt protein, human



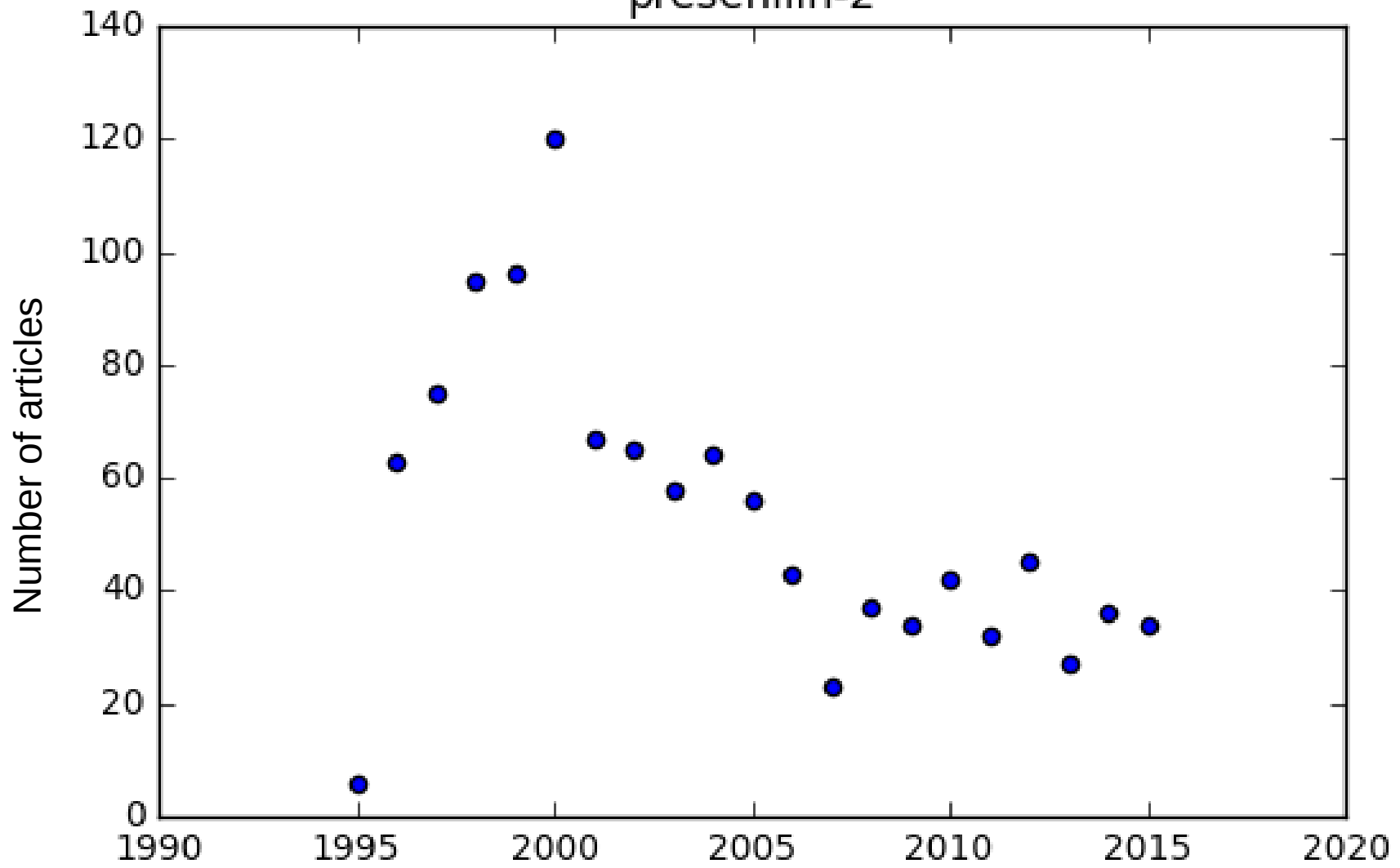
# Unexpected trends



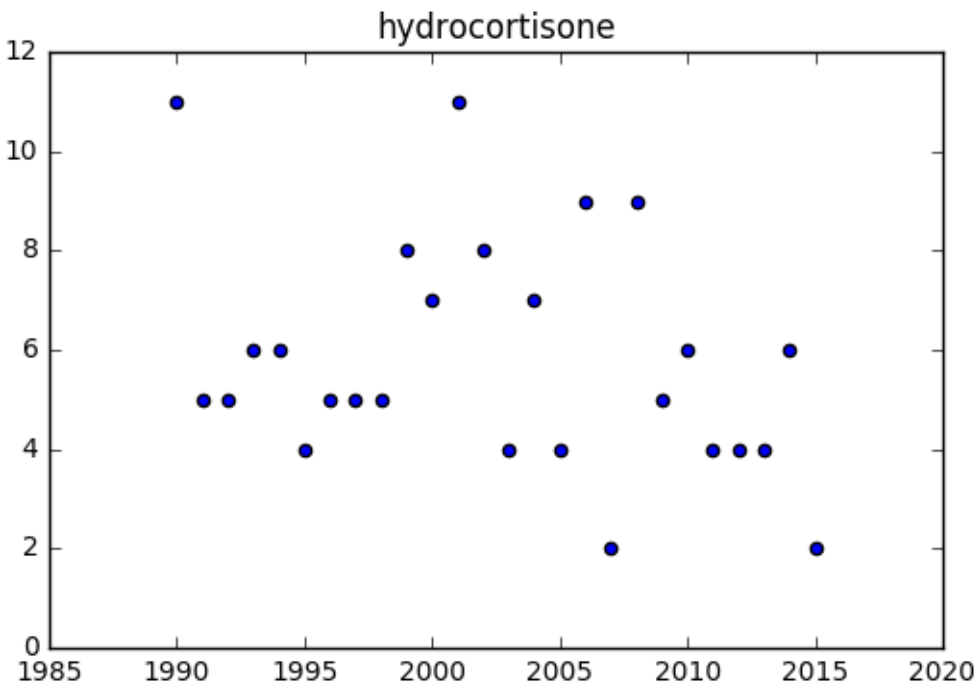
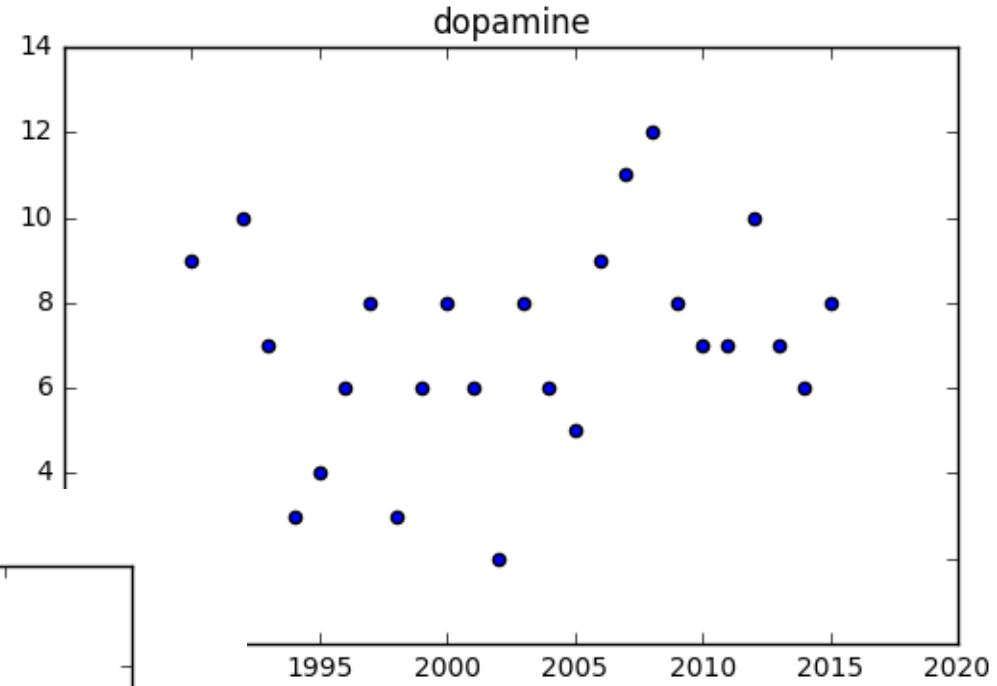
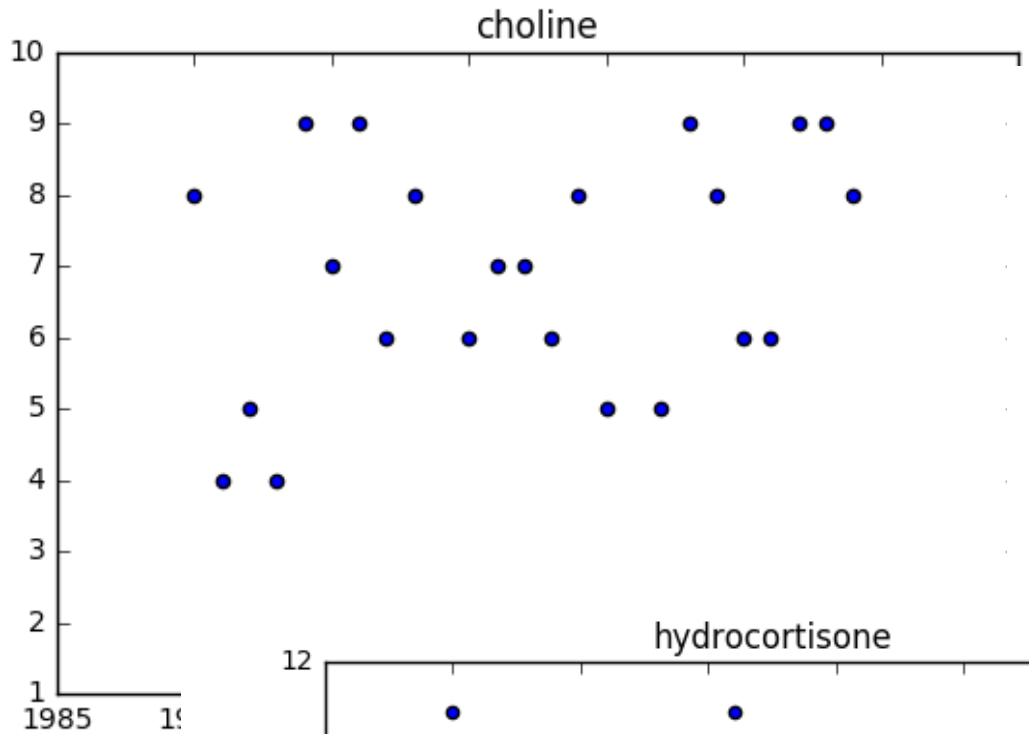
# NGS rise



# presenilin-2



# Wasted Petri dishes



# Yield

- ✓ Trends in disease research analyzed by years
- ✓ Most promising fields identified

## Also:

- New pipeline for biologists for data search
- New data can be extracted: possible interactions that not yet known



