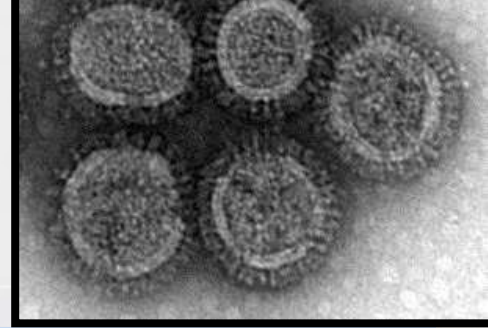
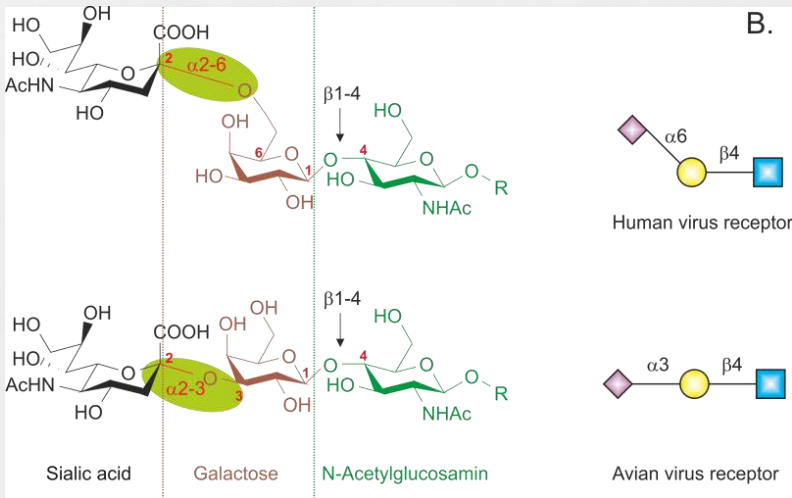
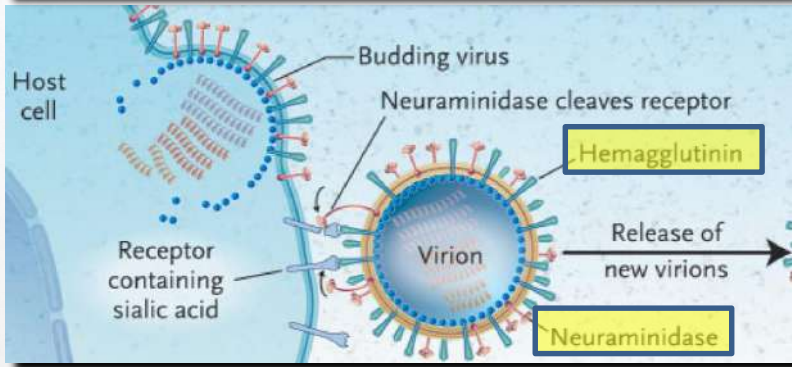


The role of glycans

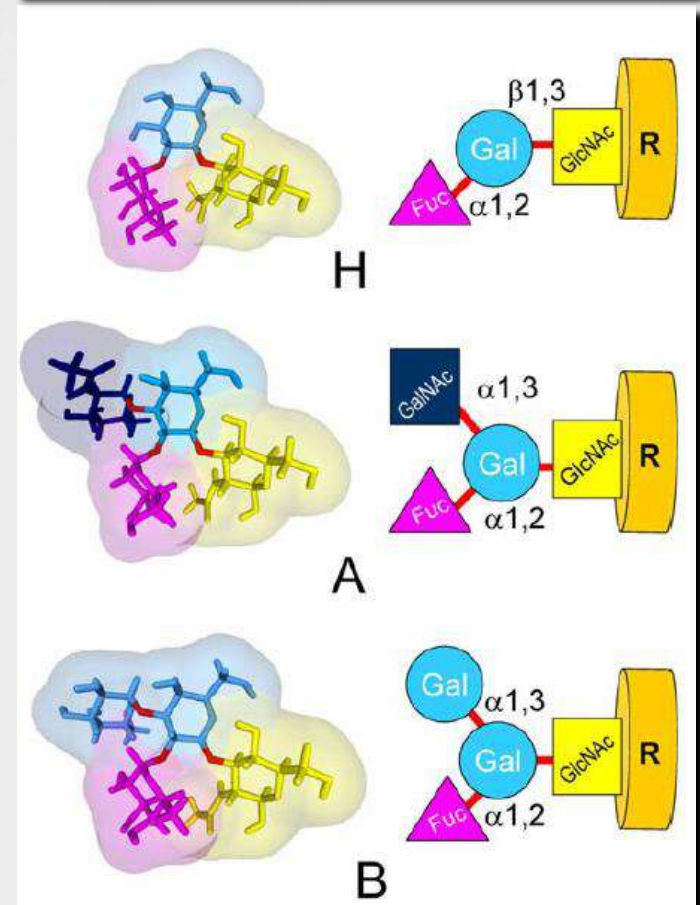
Pathology vs. physiology



Flu infections (napr. H1N5)



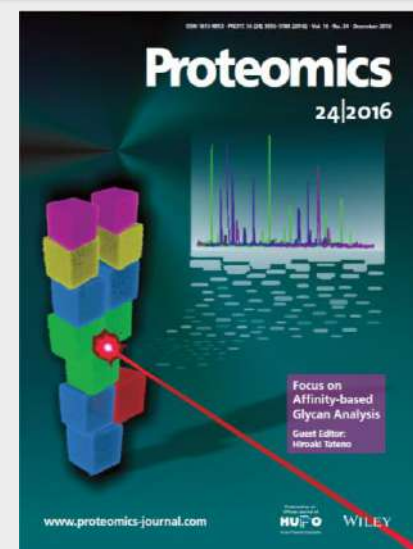
Blood groups



The team



Outcomes



Applied research

I was just rubbing these sticks to see what happens. I wasn't looking for an application.



<http://lightforion.blogspot.sk/2013/04/taq-polymerase-or-why-basic-research-is.html>



The Team

FOUNDERS



Tomáš Bertók

- Award from the President of SK
- Forbes Slovakia 30 under 30
- Scientist of the year under 35

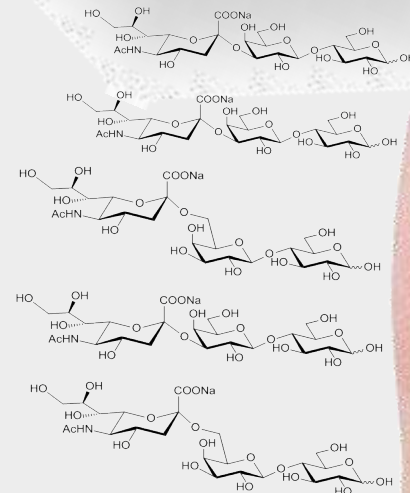


Ján Tkáč

- Uni. Linköping, Lund, Oxford
- ERC Consolidator grant
- Scientist of the year

Modified ELISA-like method

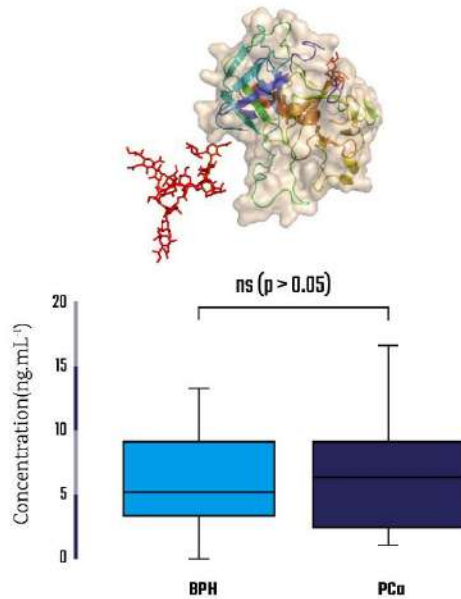
Two EPO patent applications



ERC Proof of Concept grant

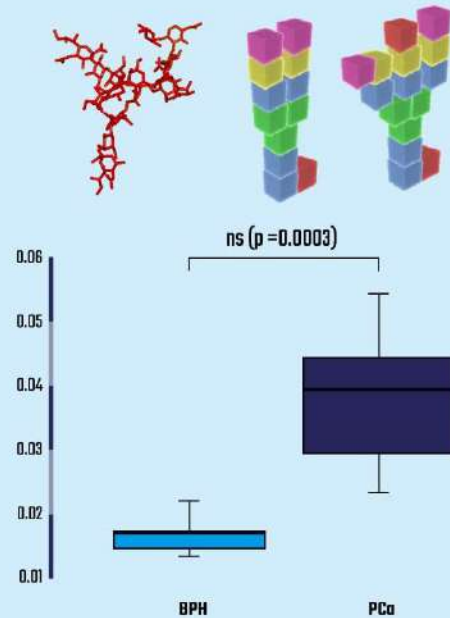
Conventional DX

PSA



Glycanostics DX

Glycan

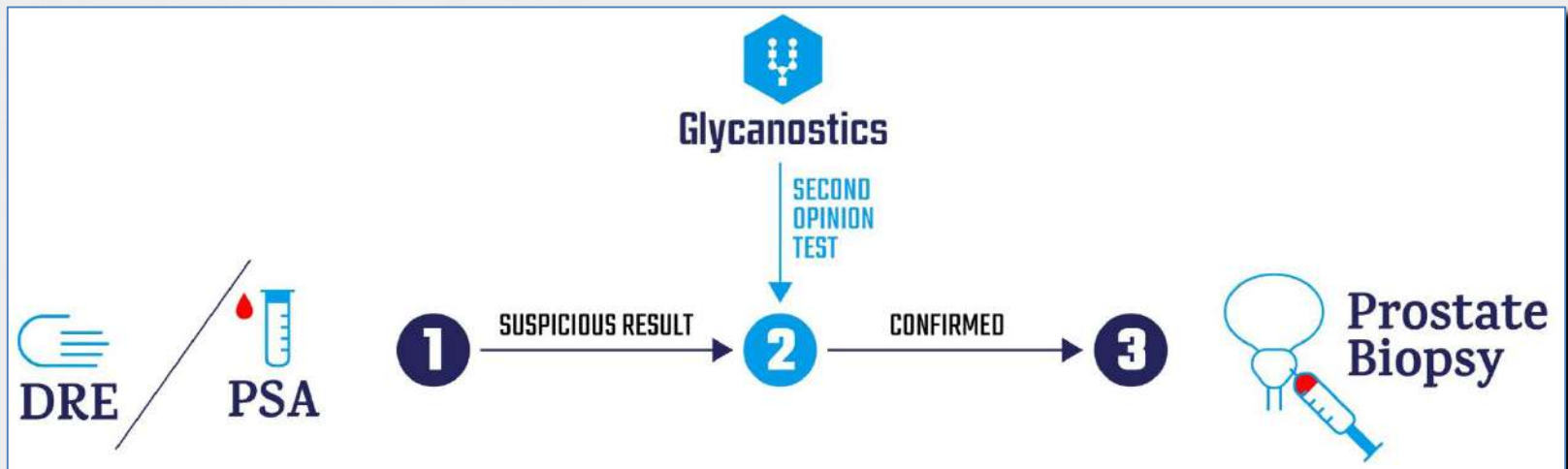


Statistical significance 166x higher.

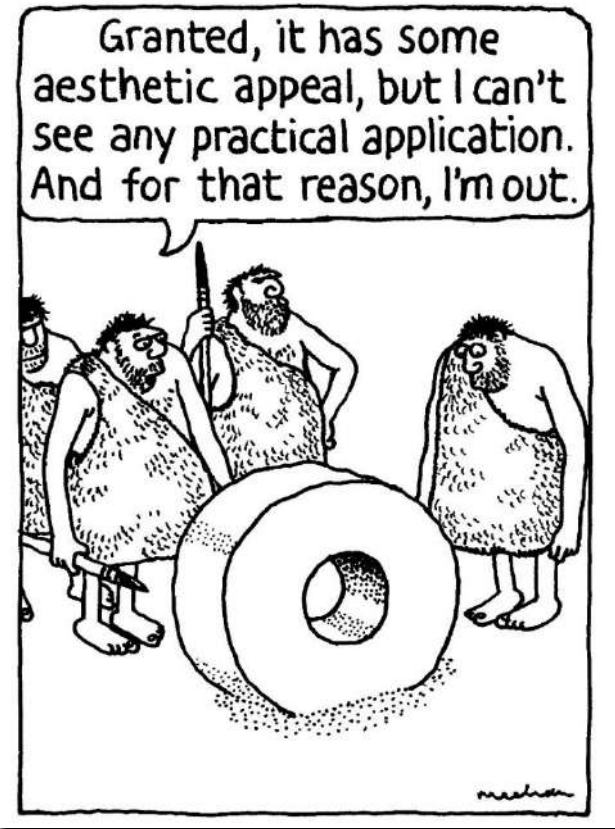
PCa diagnostics

ERC Proof of Concept grant

- 74% of biopsies are needles
- Total cost of needles biopsies – €2 Billion in US and Europe
- High false negative rate (up to 34%)
- Health complications after biopsy – €840 M in US



Future plans – after/during ERC PoC



Thank you for your attention

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Web page: www.glycanostics.com