

# PÉTER LÁSZLÓ HERMAN



## ACCOMPLISHMENTS

- **tudomanymetria.com**  
This public dashboard is an R Shiny application, which aggregates and visualizes the research output of Hungarian researchers, based on the publicly available citation database [mtmt.hu](https://mtmt.hu). I was responsible for constructing and developing the data pipeline for the application.
- **Publications**  
For publications, please see the Publications and Posters section.



## PROFESSIONAL EXPERIENCE

01/2020  
|  
04/2020

- **assistant research fellow**  
[Research Laboratory](#), 2nd Department of Pediatrics, Semmelweis University  
📍 Budapest, Hungary
  - Analyzed biological data (by R and Microsoft Excel)
  - Developed analytic pipeline for scientometric evaluation [tudomanymetria.com](https://tudomanymetria.com) (by R Shiny)

02/2015  
|  
12/2019

- **assistant research fellow**  
[Cancer Biomarker Research Group](#), Institute of Enzymology, Research Centre for Natural Sciences, Hungarian Academy of Sciences  
📍 Budapest, Hungary
  - Analyzed biological data (by R and Microsoft Excel)
  - Maintained gene expression database for statistical analysis
  - Developed analytic pipeline for scientometric evaluation [tudomanymetria.com](https://tudomanymetria.com) (by R Shiny)
  - Administered the Hungarian membership of ELIXIR international bioinformatic society
  - Planned and cooperated in organizing conferences

02/2014  
|  
03/2014

- **logistics assistant**  
[Dreher Sörgyárak Zrt.](#) (Dreher Breweries Plc.)  
📍 Budapest, Hungary
  - Inspected, documented and analyzed the returning times of empty bottles and kegs (by Microsoft Excel and Minitab)
  - Reported in English for supply chain management department

## CONTACT INFO

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👤 [hermanp.github.io](https://hermanp.github.io)

For more information, please contact me via email.

## SKILLS

**R** (tidyverse, shiny, some Bioconductor packages, blogdown)  
**statistics** (survival analysis, descriptive, nonparametric statistics)  
**Microsoft Office** Excel, Word, Powerpoint, Onenote  
**efficient web searching** (Google, Internet Archive, knowledge bases, articles, books)  
**self-education**  
**problem solving**  
Trello, Doodle  
XML  
HTML, CSS, JavaScript  
SQL  
Git, GitHub

*This CV was made with the R package [pagedown](#).*

*Last updated on 2020-11-14.*



## EDUCATION

2014

● **Budapest University of Technology and Economics**

MSc in Environmental Engineering

📍 Budapest, Hungary

Thesis: Land improvement experiments in lysimeters using waste: ecotoxicological testing of leachate by vegetal test organisms (in Hungarian)

2011

● **Eötvös Loránd University**

BSc in Environmental Studies

📍 Budapest, Hungary

Thesis: Air quality of indoor air in modern office buildings (in Hungarian)



## PUBLICATIONS AND POSTERS

Publications are accessible at [Publons](#)

2016

● **Validation of RNAi Silencing Efficiency Using Gene Array Data shows 18.5% Failure Rate across 429 Independent Experiments.**

Molecular Therapy. Nucleic Acids, 5(9).

Munkácsy G, Sztupinszki Z, **Herman P**, Bán B, Pénczvártó Z, Szarvas N, Györfly B.

2018

● **Factors influencing the scientific performance of Momentum grant holders: an evaluation of the first 117 research groups.**

Scientometrics, 117(1), 409–426.

Györfly B, Nagy AM, **Herman P**, Török Á.

2019

● **Independent validation of induced overexpression efficiency across 242 experiments shows a success rate of 39%.**

Scientific Reports, 9(1), 1–6.

Munkácsy G, **Herman P** & Györfly B.

2020

● **Research funding: past performance is a stronger predictor of future scientific output than reviewer scores.**

Journal of Informetrics, 14(3), 101050.

Györfly B, **Herman P**, Szabó I.

2020

● **Is there a golden age in publication activity? — an analysis of age-related scholarly performance across all scientific disciplines.**

Scientometrics, 124(2), 1081–1097.

Györfly B, Csuka G, **Herman P**, Török Á.

2016

● **Microarray validated RNAi silencing efficiency displays 18.5% failure rate across 429 independent experiments**

Poster for 2016 Straub-days, Biological Research Center,  
Hungarian Academy of Sciences

📍 Szeged, Hungary

**Péter Herman**, Gyöngyi Munkácsy, Zsófia Sztupinszki and Balázs Győrffy

2017

● **Prediction of residual risk of recurrence by a 3-gene expression signature following adjuvant chemotherapy in ER positive breast cancer**

Poster for 2017 Straub-days, Biological Research Center,  
Hungarian Academy of Sciences

📍 Szeged, Hungary

**Péter Herman**, Alberto Ocana, Christos Hatzis, Lajos Pusztai, Balázs Győrffy

2019

● **Off-target effects of drug treatments altering the expression of druggable kinases**

Poster for 2019 Straub-days, Biological Research Center,  
Hungarian Academy of Sciences

📍 Szeged, Hungary

**Péter Herman**, Otilia Menyhárt, Gyöngyi Munkácsy, Balázs Győrffy