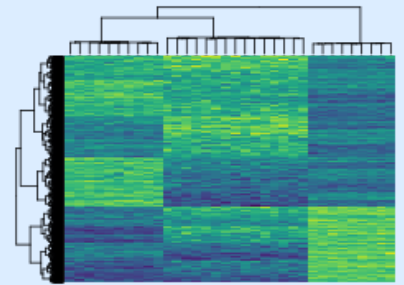


KASIA KEDZIERSKA

I am a 2nd year DPhil Candidate at the University of Oxford, studying the chromatin organisation in endometrial cancer. As a bioinformatician, I spend most of my time either in command line writing Bash/Awk scripts or doing data analysis in R/Python.

I like teaching and deeply believe in Open Science. I am the President of [#NGSchool Society](#) with which I've been organising Summer Schools in Bioinformatics. During last year edition - [#NGSchool2019: Machine Learning for Biomedicine](#) we recorded and published some of the lectures. This year, during [#NGSchool2020: Statistical Learning in Genomics](#) and [5 year anniversary conference](#) we plan to record many more.



View this CV online with links at kasia.codes/resume/

RESEARCH EXPERIENCE

2022
|
2018

DPhil Candidate

[Church group](#) @ [Wellcome Centre for Human Genetics](#), [Wedge group](#) @ [Big Data Institute](#)

📍 University of Oxford, UK

- PhD project: *Functional and evolutionary characterisation of chromatin organisation in endometrial cancer*

2018
|
2017

Visiting Graduate Student

[Ratan](#) group

📍 University of Virginia, USA

- Developed [SONICS](#) - a tool for genotyping short tandem repeats (STRs) profiled using capture assays.
- Worked on the Master thesis - *Analysis of the mutational burden across gene sets in cancer*.



EDUCATION

2022
|
2018

DPhil. Candidate, Genomic Medicine and Statistics

[Nuffield Department of Medicine](#), [Brasenose College](#)

📍 University of Oxford, UK

- Functional and evolutionary characterisation of chromatin organisation in endometrial cancer
- Wellcome Trust Studentship

2018
|
2015

M. Sc. Eng., Biotechnology

Warsaw University of Technology

📍 Warsaw, Poland

- Thesis: Analysis of the mutational burden across gene sets in cancer.
- Thesis awarded the title of the best Master thesis in Bioinformatics defended in 2018.

CONTACT

✉ kasia@well.ox.ac.uk

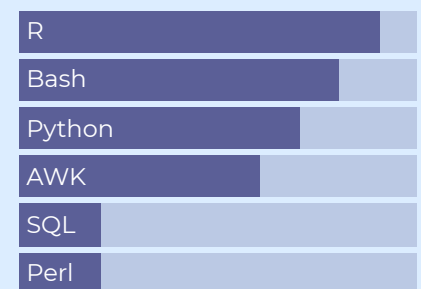
🐦 [kzkedzierska](#)

📄 github.com/kzkedzierska

🔗 [kasia.codes](#)

in [kzkedzierska](#)

LANGUAGE SKILLS



Made with the [R package pagedown](#).

Based on the [Nick Strayer's CV package](#); modified source code for this CV is available [here](#).

Last updated on 2020-02-16.





PUBLICATIONS

- 2019 • **Dynamics of cardiomyocyte transcriptome and chromatin landscape demarcates key events of heart development**
Genome Research
• Regulation networks in heart development in zebrafish.
- 2018 • **Genomic analysis of DNA repair genes and androgen signaling in prostate cancer**
BMC Cancer
• DNA repair genes and androgen signalling in prostate cancer cell lines.
- 2018 • **SONICS: PCR stutter noise correction in genome-scale microsatellites**
Bioinformatics
• Tool for genotyping short tandem repeats (STRs) profiled using capture assays, github.com/kzkezdziarska/sonics



SELECTED POSTERS, AND TALKS

- 2019 • **Analysis of the mutational burden across gene sets in cancer**
Polish Bioinformatics Society Symposium  Cracow, Poland
• Invited talk
- 2018 • **Differential mutation analysis across gene sets in cancers**
The Biology of Genomes 2018  Cold Spring Harbor, NY, USA
• Poster



SELECTED AWARDS AND HONOURS

- 2019
|
2018 • **Best Master Thesis in Bioinformatics**
• The Best Master Thesis defended in 2018 in Poland.
• *Analysis of the mutational burden across gene sets in cancer* Master thesis defended at the Warsaw University of Technology; code for the analyses can be accessed github.com/kzkezdziarska/cancers



TEACHING EXPERIENCE

- 2019 • **Unsupervised learning, Introduction to Python**
[#NGSchool2019: Machine Learning for Biomedicine](#)
• Tutor for the Introduction to Python (3 h workshop) and for the Unsupervised learning (1,5 h lecture).
• Materials for the Introduction to Python are available on [github](https://github.com)

2019

● Introduction to R

Wellcome Centre for Human Genetics

- 8 week course in Introduction to R, Data Manipulation, Data Visualisation and RNA-seq data analysis.
- Materials available on [github/kzkedziersa/r_intro](#)

2017

● ATAC-seq workshop

[#NGSchool2017: Single-cell Sequencing](#)

- Invited speaker
- Materials for the course can be available on [gitub](#)



ATTENDED WORKSHOPS, SUMMER SCHOOLS

2019

● [Machine Learning Summer School](#)

Imperial College London, University College Londn

📍 London, United Kingdom

- 12-day intensive course on a variety of topics in machine learning.



GRANTS

2019

● Visegrad Grant to organize [#NGSchool2019](#)

[Visegrad Fund](#)

- 23,500 EUR awarded towards organising #NGSchool2019 allowed to keep the cost of attending the school to the minimum and record the lectures for broader access.



NON PROFIT WORK

2021

|
2018

● President

[NGSchool Society](#)

- The goal of the Society is to promote and support science, with emphasis on computational biology.
- President since 2019; Vice President 2018 - 2019