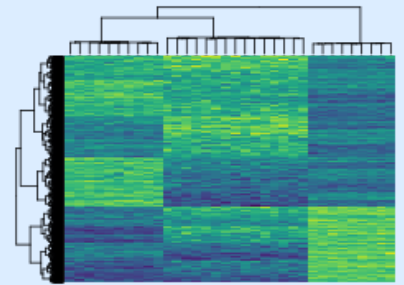


KASIA KEDZIERSKA

I am a 2nd year DPhil Candidate at University of Oxford, studying the chromatin organisation in endometrial cancer. As a bioinformatician, I spend most of 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.



[Download a PDF of this CV](#)

RESEARCH EXPERIENCE

2022
|
2018

DPhil Candidate

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

📍 University of Oxford, UK

- DPhil 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*.

2016
|
2015

Research Assistant

[Zebrafish Developmental Genomics](#)

📍 [IIMCB](#), Warsaw, Poland

- I worked on the project: *Elucidating gene regulatory network of zebrafish heart development using genomics*.
- I was responsible for both computational and experimental aspects of the project.



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

CONTACT

✉ kasia@well.ox.ac.uk

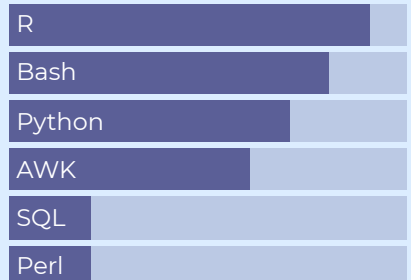
🐦 [kzkedzierska](#)

🔗 github.com/kzkedzierska

🔗 [kasia.codes](#)

in [kzkedzierska](#)

LANGUAGE SKILLS



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

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

Last updated on 2020-02-15.

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.



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

- Authored with Brian O'Malley, Sture Hansson, and Jason Stockwell.



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

2017

Epigenetic regulation of prostate cancer

Visiting Graduate Traineeship Program Grantees Symposium

📍 Charlottesville, VA, USA

- Talk



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/kzkezdierska/cancers

2017
|
2016

Visiting Graduate Traineeship Program

- The Visiting Research Graduate Traineeship Program offered 12-month research traineeships for outstanding, qualified students from the life sciences at selected institutions in the United States.



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](#)

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/kzkdziersa/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.



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