

KRISTAN PIROEVA

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PROFILE

University of Essex Genetics BSc graduate who is currently interested in further development in the state of the art in science research. Experienced in working in a computer lab, performing computational analysis using different computer languages and softwares, writing reports in a scientific paper format and giving interactive presentations.

EDUCATION

OCTOBER 2017 - JUNE 2020

BSc GENETICS, UNIVERSITY OF ESSEX

DEGREE MARK – 81%

First year overall grade 83%; **Dean's List of Excellence**

Relevant modules include:

- Molecular Cell Biology (82%)
- Genetics (85%)
- General and Organic Chemistry (89%)
- Biochemistry (83%)

Second year overall grade 80%; **Dean's List of Excellence**

Relevant modules include:

- Medical Genetics (79%)
- Genome Science (85%)
- Computational Data Analysis (85%)
- Protein Bioinformatics (84%)

Final year overall grade 81%; **Royal Society of Biology Student Award**

- Genome Bioinformatics (77%)
- Human Molecular Genetics (71%)

SEPTEMBER 2012 - JUNE 2017

SPANISH AND ENGLISH PROFILE, FOREIGN LANGUAGE SCHOOL PLEVEN

Did A level Biology and Mathematics where I significantly increased my knowledge of the fields.

RESEARCH EXPERIENCE

OCTOBER 2019 – APRIL 2020

UNDERGRADUATE RESEARCH PLACEMENT, VLAD TEIF'S LAB, UNIVERSITY OF ESSEX, UK

- Supported by the UROP fellowship (Undergraduate Research Opportunity Programme).
- Preparing a manuscript devoted to nucleosome positioning in chronic lymphocytic leukaemia.

JUNE 2019 – AUGUST 2019

UNDERGRADUATE RESEARCH PLACEMENT, VLAD TEIF'S LAB, UNIVERSITY OF ESSEX, UK

- Supported by a competitive Summer Student Fellowship of the Genetics Society.
- Investigated changes of nucleosome positioning in chronic lymphocytic leukaemia (CLL).

- Presented research results at two workshops, including an oral and a poster presentation (see below).

OTHER WORK EXPERIENCE

JULY 2019 – PRESENT

CATERING ASSISTANT, ESSEX FOOD, COLCHESTER, UK

- The job required good communication and interpersonal skills.
- Ability to work efficiently in a team was essential.

JUNE 2018 – SEPTEMBER 2018

CUSTOMER SERVICE, CAFÉ CENTRAL, SAN FRANCISCO, CA

- The job required good communication and interpersonal skills.
- Participated actively in giving ideas on how to improve the service.
- Promoted to Team leader.

JUNE 2018 – SEPTEMBER 2018

CUSTOMER SERVICE, BAY CITY BIKE, SAN FRANCISCO, CA

- The job required good communication and listening skills.
- Worked in a team with people from different countries and cultures.
- Gained experience in time-management and organization skills.

OCTOBER 2017 – JUNE 2018

ACCOMODATION REPRESENTATIVE, UNIVERSITY OF ESSEX

- Good communication and interpersonal skills were essential.

AWARDS

- **The Royal Society of Biology Student Award 2020**
- **Undergraduate Research Opportunity Programme of the University of Essex (UROP)**
I was selected from a number of applicants and got the opportunity to become a paid part-time research assistant at the Teif lab for the 2019/2020 academic year.
- **Genetics Society Summer Studentship**
In the summer of 2019 I was awarded the Genetics Society undergraduate summer studentship to work in the Teif lab at University of Essex.
- **Dean's List of Excellence**
I was included in the Dean's List of Excellence for 2018 and 2019.

CONFERENCE PRESENTATIONS

- **Kristan Piroeva**, Christopher T. Clarkson, Jan-Philipp Mallm, Daniel Mertens, Karsten Rippe and Vladimir B. Teif, *Nucleosome Repositioning in Chronic Lymphocytic Leukaemia (poster)*, Cancer Genomes: Methods and Challenges for the Next Decade, University College London, February 12, 2020
- **Kristan Piroeva**, Christopher T. Clarkson, Jan-Philipp Mallm, Daniel Mertens, Karsten Rippe and Vladimir B. Teif, *Nucleosome Repositioning in Chronic Lymphocytic Leukaemia (poster)*, Chromatin and Epigenetics Workshop, University of Essex, Colchester, UK. September 13, 2019.

- **Kristan Piroeva**, *Nucleosome Repositioning in Chronic Lymphocytic Leukaemia (talk)*, Undergraduate Student Conference, Genetics Society, Edinburgh, UK, August 26-29, 2019.

KEY SKILLS

WET LAB SKILLS

- Basic molecular biology techniques such as isolation of nuclear and mitochondrial DNA from cells and performing gel electrophoresis.
- Basic medical genetics techniques such as genotyping using PCR.
- Chromatin extraction and preparation for Next Generation Sequencing applications such as MNase-seq and ChIP-seq.

COMPUTER SKILLS

- Knowledge of R programming language and Linux/UNIX command line.
- Basics of Next Generation Sequencing data analysis (ChIP-seq, MNase-seq, DNA methylation)
- Online tools for genomic analysis such as Benchling, BLAST, Galaxy, DAVID, Enrichr, etc.
- Data visualisation in OriginPro and R.
- Familiar in using Adobe Illustrator.
- Experienced with documenting results in the LabArchives electronic laboratory notebook.

OTHER SKILLS

- **Communication and interpersonal skills:** I am experienced in delivering interactive presentation in front of a public.
- **Teamwork:** My laboratory sessions in the university involved working both independently and as part of a team
- **Time management and organization skills:** My university and college experience taught me how to manage my time so I can meet the deadlines and complete all duties assigned.

OTHER INTERESTS

- Member of the Photography society, Yoga and Meditation society and Essex blades handball team.
- I was elected for secretary of the Bulgarian Society in the University of Essex for 2019/2020.

REFERENCES

Dr Vladimir Teif (scientific supervisor)
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