

PERSONAL INFORMATION

Erik Czipa



 Pócsi út 38., 4552 Napkor (Hungary)

 +36 70 94 29-873

 czipa.erik@med.unideb.hu

 [linkedin.com/in/erik-czipa-151599a2/](https://www.linkedin.com/in/erik-czipa-151599a2/)

 Skype czipa.erik

WORK EXPERIENCE

01/09/2013–Present

Bioinformatics scientist

University of Debrecen, Department of Biochemistry and Molecular Biology, Genomic Medicine and Bioinformatics Core facility
98 Nagyerdei krt., 4032 Debrecen (Hungary)

- Computational analysis of biological data
- High-Throughput Sequencing data analysis (including ChIP-seq, RNA-seq, GRO-seq, ChIA-PET, HiC, DRIP-seq, ATAC-seq)
- Large dataset processing and database management

09/10/2011–24/06/2013

student worker in a research project

University of Debrecen - Department of Biochemistry and Molecular Biology, Genomic Medicine and Bioinformatics Core facility, Debrecen (Hungary)

- Computational analysis of ligand dependent RXR-binding in stem cells and neurons

01/03/2009–01/06/2011

student worker in a research project

University of Debrecen - Department of Human Genetics, Debrecen (Hungary)

- Identification of β -lactamases in human and bovine isolates of Staphylococcus aureus strains having borderline resistance to penicillinase-resistant penicillins (PRPs) with proteomic methods
- Bioremediation of hydrocarbon-contaminated soil with actinomycetes and proteomic investigation of the most effective strains

EDUCATION AND TRAINING

01/09/2013–Present

PhD student

University of Debrecen, Medical School - Doctoral School of Molecular Cellular and Immune Biology, Debrecen (Hungary)

script writing (perl, shell)

- Evolutionary conservation analysis of transcription factor binding sites in human and mouse
- ChIA-PET data based enhancer loop analysis reveals new transcription

regulation features

- The molecular topology of cohesin-mediated DNA looping as deduced from ChIP-seq data
- Comprehensive analysis of the DNA binding topology of transcription factors from more than 1500 human ChIP-seq experiments
- Creation of a comprehensive database of human transcription factor binding sites and the topological arrangements of transcription factor complexes on the DNA

01/09/2011–24/06/2013 **Molecular Biology MSc.**
University of Debrecen, Medical School, Debrecen (Hungary)

01/09/2008–01/06/2011 **Biology BSc**
University of Debrecen, Faculty of Science and Technology, Debrecen (Hungary)

PERSONAL SKILLS

Mother tongue(s) Hungarian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C2	C1	C1	B2
Intermediate English Certificate (B2)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills - good communication skills gained through my experience as teaching theoretical and practical courses in English
-participation in international conferences with presentations and posters
-Team player and ability to address multiple priorities

Job-related skills Programming languages: R/Perl/BASH
Data Mining and Visualization
Big Data Queries and Interpretation
Research, Develop, implement new methods of measuring and analysing data sets and processes
Understanding of relational databases
Basic knowledge of molecular biology techniques
Basic knowledge of microbiology techniques
Basic knowledge of proteomic methods