NAME	POSITION
Mile Šikić	Associate Professor, University of Zagreb, Faculty of Electrical Engineering and Computing (FER)
	Adjunct scientist, Bioinformatics Institute, A*STAR Singapore
	Co- founder and director, Oraclum Intelligence Systems Ltd, UK

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Zagreb, FER	Ph.D	2008	Computer Science
University of Zagreb, FER	Ms sc EE	2002	Electrical Engineering
University of Zagreb, FER	Ms EE.	1996	Electrical Engineering

A. Positions

2009-2014   Assistant Professor, University of Zagreb, FER

2011-2012   Visiting scientist, Bioinformatics Institute, A*STAR Singapore

1997-2009   IT and network consultant, Teaching Assistant, University of Zagreb, FER

B. Grants in last five years

2014-2017   Algorithms for Genome Sequence Analysis by Croatian Science Foundation, principal investigator

2014-2015   Identify pathogens from a stream of RNA sequences by Business Innovation Croatian Agency (BICRO), principal investigator

2012-2013   Complex network analysis of cis and trans chromatin interactions A*STAR Joint Council Office, Singapore, leading investigator for Bioinformatics Institute

C. Selected publications in last five years

1. Robert Vaser; Ivan Sović; Niranjan Nagarajan; **Mile Šikić**. Fast and accurate de novo genome assembly from long uncorrected reads//*Genome Research*. (2017)
2. Martin Šošić; **Mile Šikić**. Edlib: A C/C++ library for fast, exact sequence alignment using edit distance// *Bioinformatics*. (2017)
3. Ivan Sović; **Mile Šikić***; Andreas Wilm; Shannon Nicole Fenlon; Swaine Chen. Fast and sensitive mapping of nanopore sequencing reads with GraphMap. //*Nature Communications*. 7 (2016); IF 11.47 (*co-first author)
4. Robert Vaser, Swarnaseetha Adusumalli,Sim Ngak Leng, **Mile Šikić**; Pauline C. Ng, SIFT missense predictions for genomes. // *Nature Protocols*. 11, 1; 1-9 (2016)
5. Matija Korpar, Martin Šošić, Dino Blažeka, **Mile Šikić**. SW#db: GPU-Accelerated Exact Sequence Similarity Database Search. // *PLoS One*. 10 (2015)
6. Nino Antulov-Fantulin, Alen Lančić, Tomislav Šmuc, Hrvoje Štefančić, **Mile Šikić**. Identification of Patient Zero in Static and Temporal Networks: Robustness and Limitations. // *Physical Review Letters*. 114 (2015)
7. **Mile Šikić**, Alen Lančić; Nino Antulov-Fantulin, Hrvoje Štefančić. Epidemic centrality - is there an underestimated epidemic impact of network peripheral nodes? //*European Physical Journal B*, 86: 440, pages 1 - 13 (2013)
8. Matija Korpar, **Mile Šikić**, SW#–GPU-enabled exact alignments on genome scale, *Bioinformatics*, Vol. 29 no. 19, 2494–2495 (2013)

D. Professional experience

2014 -   **Oraclum Intelligence Systems Ltd.** - New Facebook based method for election forecasting and market research. Our method correctly predicted outcomes of the UK referendum and the US presidential elections

2015   **Jutarnji list** (Croatian's leading newspaper) – Mathematical analysis of the Croatian 2015 general elections (team member)

2013-2014   **Croatian Bank Association** – Analysis of systemic risk using the network of reorganization proceedings in Croatia (team member)

2010-2014   **Artes Calculi** (spin off) - Member of Supervisory board

2001-2008   **Croatian Government**, consulting in various projects including: e-health, Open Archives Referral centres, Electronic data interchange (consultant and team leader)

2005-2006   **Kapsch Austria** (one of Austria's most successful technology corporation)– development of various software solutions (SIP server, tariff tester, correlation engine) for telco operators (team leader)

2005   **Metronet Telecommunications** (Leading broadband solution provider to business customers in Croatia) – initiator